Historic, archived document

Do not assume content reflects current
scientific knowledge, policies, or practices.

Washington, D. C.

Issued February 1951

A BIBLIOGRAPHY OF PLANT PATHOLOGY IN THE TROPICS AND IN LATIN AMERICA

Compiled
Helen V. Barnes and Jessie M. Allen, Bibliographers
Library, United States Department of Agriculture

Washington, D. C.

Issued February 1951

A BIBLIOGRAPHY OF PLANT PATHOLOGY IN THE TROPICS AND IN LATIN AMERICA

Compiled
Helen V. Barnes and Jessie M. Allen, Bibliographers
Library, United States Department of Agriculture

United States
Government Printing Office
Washington: 1951

PREFACE

This bibliography containing references on plant pathology in the tropics and Latin America covers the years 1937-1949. Subtropical regions have not been considered except in South America. Material prior to 1937 is contained in the following bibliographies:

- COOK, M. T. Host index of virus diseases of plants. P. R. U. J. Agr. 19:315-406. July 1935. 8 P32J
Sup. 1, P. R. U. J. Agr. 20:691-727. July 1936.
Sup. 2, P. R. U. J. Agr. 22:411-435. July 1938.
COOK, M. T. Index of the vectors of virus diseases of plants. P. R. U. J. Agr. 19:407-420. July 1935. 8 P32J
Sup. 1, P. R. U. J. Agr. 20:729-739. July 1936.
Sup. 2, P. R. U. J. Agr. 22:437-439. July 1938.
HEALD, F. D. Manual of plant diseases. Ed. 2. New York, McGraw-Hill, 1933. Ref. 464 H34M
NEWHALL, A. G. An annotated bibliography of some of the more important papers on the Phytophthora pod rot of cacao (gleaned mostly from the Review of Applied Mycology 1922 to 1948, arranged chronologically). 21 p., processed, [1948?]
OTERO, J. I., and COOK, M. T. A bibliography of mycology and phytopathology of Central and South America, Mexico and the West Indies. P. R. U. J. Agr. 21:249-286. July 1937. 8 P32J
OTERO, J. I., and COOK, M. T. Partial bibliography of virus diseases and plants. P. R. U. J. Agr. 18:410 p. Jan./Apr. 1934. 8 P32J
Sup. 1, P. R. U. J. Agr. 19:129-313. Apr. 1935.
Sup. 2, P. R. U. J. Agr. 20:741-819. July 1936.
Sup. 3, P. R. U. J. Agr. 22:263-409. July 1938.
STEVENSON, J. A. Foreign plant diseases...a manual of economic plant diseases which are new to or not widely distributed in the United States. Washington, Govt. Print. Off., 1926. 198 p. 1 F31F

The arrangement is alphabetical by author. In the Index of Plant Diseases, diseases are grouped under the scientific name of the host plant as given in Standardized Plant Names. Cross references are made to the scientific name of the host from the common name in English, Spanish and Portuguese. When several diseases of one plant are discussed in one article or when the name of the disease is not known, the article is indexed under the subhead, diseases, which is further subdivided geographically. When diseases of several plants are discussed the publication is indexed under Plant diseases with geographical subdivisions. The index includes also the names of causal organisms.

The Name Index includes the names of secondary authors, editors, and any others, either persons or institutions, making a contribution to the publication indexed. Names used as subjects are included. Since the primary arrangement of the references is by author, the name of the first author of each publication is omitted from the Name Index.

Material which was not available for examination is marked with an asterisk (*).

Call numbers following the citations are those of the U. S. Department of Agriculture Library unless otherwise noted.

Grateful acknowledgment is made to Dr. Frederick L. Wellman, Field Consultant in Plant Pathology, Office of Foreign Agricultural Relations, U. S. Department of Agriculture, for his kind assistance and helpful suggestions.

Photoprint or microfilm copies of any items listed which are in the Library of the U. S. Department of Agriculture may be ordered from its Copying Service at the following prices:

Microfilm: \$1.00 for each 50 pages or fraction thereof from a single article or book.
Photoprint: \$1.00 for each ten pages or fraction thereof from a single article or book.

Sources Consulted

Catalogs

U. S. Department of Agriculture Card Catalog, including Plant Science and Plant Pathology catalogs.

Bibliographies

Bibliography of Agriculture, July 1942-June 1950.
International Institute of Agriculture. Bibliography of Tropical Agriculture, 1937-1942.
Plant Science Literature, 1937-1942.

INTRODUCTION

No bibliography can be absolutely complete or up-to-date at publication when it deals with an active subject in the process of rapid development. At the very moment the bibliographers complete lists for printing or reference, more contributions will have appeared. There is also the danger of missing the obscurely published articles that remain hidden from view. Every care was exercised by Miss Barnes and Miss Allen to obviate these probabilities in their compilation of the literature on tropical and Latin American plant pathology. The result is, it is believed, that this is the best bibliography on that subject at present. It will be of interest and considerable assistance for many years to come, to pathologists everywhere, in the North Temperate Zone regions as well as in the world of the Tropics and in Latin America.

It might be well to define the geographical region that comprises the phrase "the Tropics and in Latin America" as it is used here. There had to be a limitation of some sort within which to confine the work. No attempt was made to include publications regarding North Temperate Zone questions that were applicable to tropical or Latin American problems. Such inclusions would have made the compilers' tasks almost endless. As it is, it required almost four years of work for Miss Allen who started it, and later Miss Barnes who took over the responsibility and completed the labor. During these years the bibliographers had to attend to many other duties and compile other lists, meanwhile piling up the references they sought on this subject. It will be seen that the majority of the citations are of Western Hemisphere origin and of research published from below subtropical United States. All of Latin America is included, although it involves the Temperate Zone areas of southern South America and the cool, high plateaus and mountainous portions of the Tropics. Citations were also gathered, however, from workers in the Tropics of the Eastern Hemisphere.

The list here presented grew out of the recognitions of its great need in Latin America during the last 10 years. I was first interested in such a bibliography in 1929, but could never expend the time to develop it. Some years later it was cheering to learn from Dr. Mel T. Cook, himself in the Tropics, that such a list was being prepared. This finally appeared from Puerto Rico. The efforts of Cook and Otero were, and still are, invaluable. A much greater body of tropical workers has been publishing in the last 15 years, and some most inspiring work in the Tropics and Latin America has occurred since that time. Knowing how much the lists of Cook and Otero filled the need at that earlier time, it was considered both by the researchers and the bibliographers sufficient to start with 1937, and bring the compilation up to include 1950. He who wants to refer to works before that time will need to refer to the lists by Cook and Otero.

The bibliography by Miss Barnes and Miss Allen puts into the present day researcher's hands 76 pages of listed references. These are made up of 2395 citations with numerous very useful, succinct annotations. This list is a welcome tool by which the earnest student and investigator in the subject can find pertinent literature citations. He can likewise discover that the literature in the original, or as abstracts in review journals, is of great interest as an indication of progress. It is apparent, for one thing, that in many respects we in the Tropics and in Latin America are in enviable positions. Plant pathology is, in many cases, at approximately the same stage in progress as it was in the Temperate Zone at about the beginning of the century. Of course, in some of the more favored spots progress is much better than that, but in some places it is even less. On the whole, the person who is at work today in the Tropics is treading on what will later be holy ground, for he is laying the foundations for the science of the future. What is being done now, and what is being planned, will color the body of that science for generations to come.

It is, however, not altogether to the future that we must look. It is impressive to study the older works. As one becomes more and more familiar with earlier published tropical experience he discovers that there has been much fine, modestly presented study in the past. One is bound at times after he knows and appraises them to feel that many of the investigations that were carried on in Latin America, in its Tropics, Subtropics, and temperate regions, have perhaps been given too little recognition in centers of teaching and study in the Temperate Zone of either Europe or North America. Part of this is neglect, part is due to language differences, and part to obscurity of publication media. One of the desirable end products of this bibliography is that it will result in a better distribution of information concerning that which has already been done. Things will no longer be hidden that are included in it since copies of the cited papers can be referred to or obtained from or in the Library of the United States Department of Agriculture in Washington. Anyone can secure them. This bibliography will perform a useful service also in indicating the professionally employed people, the institutions, and the areas where further contributions are being made in increasing quantity and quality.

It is clear that much of the basic knowledge of plant pathology has been brought to its present high state in the Temperate Zone. This will inevitably continue. Nevertheless, it needs to be known that there is also growing up a large body of knowledge worked out in, and applicable specifically to the Tropics. Temperate Zone pathologists in many places are, on the whole, much more advantageously furnished with better and newer equipment and materials for study and control of diseases. They enjoy larger subsidies for their work than are usually found in other parts of the world and are, also, solving their problems through researchers and control practices in the midst of a comparatively wealthy economy.

Tropical pathologists in many cases find it necessary to work with almost nothing, and sometimes even against opposition from superstition or the lack of an understanding public, although it would gain greatly by research. Often special tools for disease control are practically nonexistent. In addition, when, from reference to Temperate Zone experience, chemical means of combating plant disease losses are a logical indication in the Tropics, they often cannot be used. This may be directly due to high cost of transportation of foreign chemicals and equipment, and the presence of labor that is not only illiterate but through tradition is unprepared to use the more highly technological methods. There are likewise to be considered ecologic factors of the Tropics such as excess rains, seasons prolonged mistiness, high relative humidities, steep slopes of fields, and extensive growth of crops under shade of jungle and planted trees.

It behooves the thoughtful worker in the Tropics to re-study disease problems that have previously been well solved for the Temperate Zone. He has to come to grips with the matter of plant disease control by farming people living in a difficult environment made more troublesome because of lack of human requisites. He must often devise a system to reduce disease losses through some well studied changes in simple cultural practices. Wherever possible he must take advantage of natural means of ameliorating disease effects without recourse to costly treatments and chemical applications. For such reasons it may well be that the Latin American or tropical pathologist has to indeed become more conversant with finer details of phenomena in plant disease problems than his Temperate Zone colleagues. Such considerations make compilation of this bibliography of even greater value to tropical workers than the same kind of a compilation would have for workers in the Temperate Zone. It seems not unlikely as time goes on and more work is done in the Tropics that the greatest contributions regarding such phases of life histories of disease organisms, host-parasite relations, disease resistance, and human factors related to plant disease control practices, will come from the Tropics and from the well-trained but less-specialized researchers such as must develop in less favored areas.

I have found an increasingly large group of tropical plant pathologists that is impatient with Temperate Zone pathologists who seemingly disregard publications from tropical work. They hold that studies from the Temperate Zone are quoted freely in the Tropics, but the reverse is not likely to occur. They believe it unfortunate for students in the Temperate Zone. Much of this is due to oversight, and that will undoubtedly be obviated to a large extent by the use of this bibliography. While it was prepared in the Library of the United States Department of Agriculture, it can be seen at a glance that it has regional but no linguistic or national boundaries. It is also obvious that tropical pathologists have not always been in close enough touch with each other. The use of this bibliography will reduce the problem of obscurity and help in intercommunication of scientific results in the area it covers and as well the rest of the world.

In closing, I wish to express the appreciation of many pathologists in different areas who have awaited the bibliography while it was in preparation. Its appearance will fill a great need and good use will be made of it. I have been helped by both Miss Allen and Miss Barnes for a long time in my library contacts. This has occurred to many others in the Tropics, and this bibliography is, in a sense, a culmination of these efforts and a forehanded answer that the bibliographers must have known would come to them sooner or later. It is, I believe, a notable step in the history of the subject, and will be a force in the stimulation of even more discriminative research in plant pathology in Equatorial Regions.

Frederick L. Wellman

The Inter-American Institute of Agricultural Sciences
Turrialba, Costa Rica

February 16, 1951

Compiled by Helen V. Barnes and Jessie M. Allen, Bibliographers
Library, United States Department of Agriculture

1. ABBOTT, E. V. Enfermedades del cafeto. Rev. Agr. [Managua] 3:26-29. Jan./May 1939. 8 R329
In Nicaragua.
2. ABERDEEN, J. E. C. Big bud in tomatoes. Queensland Agr. J. 67:213-214, illus. Oct. 1948. 23 Q33
3. ABERDEEN, J. E. C. Black rot ("rust") on cabbages and cauliflowers. Queensland Agr. J. 66:272-273. May 1948. 23 Q33
4. ABERDEEN, J. E. C. A bacterial disease of crucifers and its control.
5. ABERDEEN, J. E. C. Diseases of the tomato and their control. Queensland Agr. J. 60:277-299, illus. May 1945. 23 Q33
6. ABERDEEN, J. E. C. Notes on fungicides for the control of tomato foliage and fruit diseases. Queensland Agr. J. 62:274-277. May 1946. 23 Q33
7. ABERDEEN, J. E. C. Results of experiments by the Queensland Department of Agriculture, 1937-41, principally in the Redlands District.
8. ABERDEEN, J. E. C. Seasonal notes on the control of vegetable diseases. Queensland Agr. J. 63:344-345. Dec. 1946. 23 Q33
9. ABERDEEN, J. E. C. Bacterial and Fusarium wilt of tomato, black rot and black leg of cabbage and cauliflower, Septoria leaf spot of lettuce, and crown rot of carrots.
10. ABERDEEN, J. E. C. Tomato diseases and their control. Queensland Agr. J. 68:330-344; 69:10-25, 86-91, 146-152, illus. June-Sept. 1949. 23 Q33
11. ABERDEEN, J. E. C. Includes "Key to aid identification of tomato diseases in seed-bed and field" and discussion of the following diseases: target spot, Irish blight, Septoria leaf spot, bacterial canker, Fusarium wilt, Verticillium wilt, damping-off, mosaic, fern leaf, streak, bigbud, spotted (bronze) wilt, blossom-end rot, shade spot, cuticle blotch, puffy fruit, sunscald, catface, and blossom-drop; general notes on control measures.
12. ABUSO, N. G. Compuestos fungicidas orgánicos. Argentina. Min. de Agr. Almanaque 24:357-358. 1949. 9 Ag874
13. ABUSO, N. G. Preparación y propiedades del ácido pentanoico; su acción fungicida. La Plata U. Nac. Facul. de Cien. Quím. Rev. 20:71-79. 1945, pub. 1947. 385 L31
14. ABUSO, N. G. Probable acción fungicida de la fenotiazina y algunos de sus derivados de oxidación. Argentina. Dir. Gen. de Labs. e Invest. Rev. de Invest. Agr. 2:117-138. July 1948. 9 R329
15. ABRAHAM, J. Botrytis cinerea pers. parasitando mudas de Eucalyptus spp. Biológico 14:172. July 1948. 442.8 B529
16. ABRAHÃO, J., and COSTA, A. S. Instruções para o reconhecimento da "ramulose" do algodoeiro. Biológico 15:59-60, illus. Mar. 1949. 442.8 B529
17. ANTHRACOSE OF COTTON CAUSED BY COLLETOTRICHUM GOSYPYII.
18. ACUNA, J., and ZAYAS, F. DE. El mosaico y otras plagas de la fruta bomba (Carica papaya L.). Cuba. Estac. Expt. Agron. C. 85, 32 p., illus. 1946. 102 C89
19. ADSUAR, J. Chlorotic streak disease of sugar cane in Puerto Rico. P. R. Agr. Expt. Sta. (Rio Piedras). Tech. B. 3, 12 p., illus. Aug. 1946. 100 P83T
20. AGATI, J. A., SISON, P. L., and ABALOS, R. A progress report on the rice maladies recently observed in Central Luzon with special reference to the "stunt or dwarf" disease: 1. Philippine J. Agr. 12:197-210, illus. 1941. 25 P543
21. VIRUS DISEASES AND THEIR TRANSMISSION.
22. AGATI, J. A., and CALICA, C. The leaf-gall disease of rice and corn in the Philippines. Philippine J. Agr. 14:31-38, illus. 1949. 25 P543
23. VIRUS DISEASE.
24. AGUILAR, S. G. El mal negro del talluelo. Café de El Salvador 14:457-459, illus. Apr./May 1944. 68.28 C112
25. CAUSED BY RHIZOCTONIA SOLANI.
26. AGUILAR VALENZUELA, A. Destrucción de plagas. Asoc. Gen. de Agr. [Guatemala] B. 100:1,4. Mar. 8, 1947. 8 As52
27. NEMATODE CONTROL WITH DD.
28. AHMED, Q. A. Varietal resistance and susceptibility of Phaseolus radiatus towards Cercospora. Sci. & Cult. 14:436. Apr. 1949. 475 Sci24
29. PROBABLY CERCOSPORA CRUENTA.
30. Results of experiments in the Dacca University Botanical Garden, Dacca, East Pakistan, in 1948.
31. ATYAR, S. P. A chlorosis of paddy (Oryza sativa L.) due to sulphate deficiency. Cur. Sci. [India] 14:10-11. Jan. 1945. 475 Sci23
32. Experiments on the Mandalay Agricultural College Farm, Burma.
33. AIYER, A. K. Y. N. Field crops of India, with special reference to Mysore. Bangalore, Govt. Press, 1944. 552 p. 64 A19
34. Includes diseases of sugarcane, oil crops, and vegetables.
35. ALAMO IBARRA, R. "La mancha de hierro" [Omphalia flavida] del café. Café de Nicaragua 1(5):29-33. Mar. 1945. 68.28 C114
36. From Venezuela, Ministerio de Salubridad y Agricultura y Crfas. Boletín.
37. ALAZRAQUI, J. M. Las sales de cobre y las sales de mercurio en la desinfección de las semillas. Suelo Argentino 1:161-163, illus. Mar. 1942. 9 Su2
38. ALENCAR, J. DE. Notas sobre a entomoporiase na ameixa amarela (Eriobotrya japonica Lindl.). Ceres [Viscose] 3:117-120, illus. Sept./Oct. 1941. 9.2 C332
39. Disease of loquat caused by Entosporium maculatum.
40. ALENCAR, J. DE., and DRUMMOND, O. A. Notas sobre a murcha bacteriana da batatinha e do tomateiro. Bacterium solanacearum E. F. Smith. Ceres [Viscose] 5:178-225, illus. Jan./Feb. 1944. 9.2 C332
41. English summary.
42. Brown rot of potato and southern blight of tomato.
43. ALENCAR, J. DE. Podridão do pé dos citros. Ceres [Viscose] 2:488-496, illus. May/June 1941. 9.2 C332
44. Gummosis of citrus.
45. ALGEMEENE, VEREENIGING VAN RUBBER-PLANTERS TER OOSTKUST VAN SUMATRA. Plantkundige afdeling (Botanical Division). Alg. Proefsta. der A. V. R. O. S. Meded. Alg. Ser. 59:25-38. 1940. 78.9 AL3Me
46. Includes diseases of rubber: mouldy rot, white stem blight, and dieback.
47. ALGUNAS enfermedades y plagas del árbol del cacao. Agr. Venezol. 1(9):22-24, illus. Jan. 1937. 9.95 Ag8
48. ALIBERT, H. Note préliminaire sur une nouvelle maladie du cacaoyer, le "swollen shoot." Agron. Trop. 1:34-43. Jan./Feb. 1946. 26 Ag86
49. In the Gold Coast and Ivory Coast, West Africa.
50. ALLDAY, C. Blister blight, the influence of early tipping on yield. Ceylon Tea Res. Inst. Tea Q. 19: 45-48. July 1947. 68.18 C33
51. Disease of tea.
52. ALLWOOD, P., E. Algunas observaciones sobre el "ojo de gallo" o "argeño" (Stilbum flavidum Cooke) en fincas de las zonas de Ataco y Apacana, en el departamento de Ahuachapán. Café de El Salvador 12:629-633, illus. Nov. 1942. 68.28 C112
53. American leaf disease of coffee.
54. ALTMAN, R. F. A. The control of the downy mildew of maize: a preliminary note. 8 p., typewritten. Buitenzorg, Java, 1945. 464.02 AL7
55. ALVARADO, J. A. El agotamiento del humus en el terreno y su influencia sobre ciertas clases de podredumbres de la raíz, que aparentemente son de origen patógeno y que realmente no son más que casos de inanición y muerte por hambre debido a una alimentación deficiente de la planta. I-VII. Café de El Salvador 12:170-192, 242-252, 282-301, 346-362, 396-409, 468-478, 523-534, illus. 1942. 68.28 C112
56. An apparent fungous disease of coffee (Rosellinia) but in reality a physiological condition due to malnutrition.
57. Also in Inst. de Defensa del Café de Costa Rica Rev. 12: 306-316. June 1942. 68.28 C82

35. ALVARADO, J. A. Enfermedades criptogámicas que atacan las hojas y frutos del café. Ed. 2. Guatemala, 1942. 33 p., illus. (Admin. del Gén. Jorge Ubico 779). 31.6 G933
36. ALVARADO, J. A. Enfermedades de los semilleros y almárgicos de café. Rev. Cafetal. de Guatemala 3(30/33):45-47. May/Aug. 1947. 68.28 R322
- Glomerella coffeicola*.
Also in Rev. Agr. Guatemala 14:470-472. June 30, 1937. 8 G934
37. ALVARADO, J. A. Enfermedades del banano en Guatemala. Rev. Agr. Guatemala 14:408-422, illus. May 30, 1937. 8 G934
- Leaf spot of banana caused by *Cercospora musae* and *Chloridium musae*
38. ALVARADO, J. A. Es la sigatoka una enfermedad susceptible de curarse por sí sola y sin tratamiento alguno? Rev. Agr. Guatemala 15:214-220. Apr. 30, 1938. 8 G934
- Leaf spot of banana, *Cercospora musae*.
39. ALVARADO, J. A. Informe de los trabajos de la Estación Experimental de Santa Tecla del 15 de abril al 31 de diciembre de 1939. Café de El Salvador 10:147-186. Feb. 1940. 68.28 C112
- Registro de fitopatología, p. 172-182, illus.
Coffee diseases.
40. ALVARADO, J. A. Las lluvias y su relación con la caída del fruto maduro. Café de El Salvador 13:277-282. Dec. 1943. 68.28 C112
- Effect of rain on mature coffee berries.
41. ALVARADO, J. A. Mancha de la hoja del banano (sigatoka). I-II. Rev. de Agr. Costa Rica 10:411-417, 447-452, 454. Sept.-Oct. 1938. 8 Es1
- Cercospora musae*.
42. ALVARADO, J. A. Muerte prematura de cafetos. Ed. 2. Guatemala, 1942. 65 p., illus. (Admin. del Gén. Jorge Ubico 835). 46.09 AL5M
43. ALVARADO, J. A. Opinión sobre la enfermedad del hongo o enfermedad de la arena. Rev. Agr. Guatemala 14:369-374, illus. Apr. 30, 1937. 8 G934
- A disease of the coffeetree.
44. ALVARADO, J. A. Las podredumbres radiculares del café. Café de El Salvador 11:5-26, illus. Jan. 1941. 68.28 C112
45. ALVARADO, J. A. Las sequías prolongadas y su efecto nocivo sobre la fisiología del café. Café de El Salvador 10:219-247, illus. Mar. 1940. 68.28 C112
46. ALVAREZ, R. Porvenir de la citricultura en Corrientes. Corp. Frutícola Argentina. Rev. Gremial 15(175):31-32. July 31, 1949. 83 C81
- Importance of government aid in view of tristeza and other diseases and pests.
47. ALVAREZ GARCÍA, L. A. A cedar seedling blight in Puerto Rico. Caribbean Forester 1(2):26. Jan. 1940. 1.9622 T2C23
- Phyllachora balansae* on *Cedrela mexicana*.
48. ALVAREZ GARCÍA, L. A. Cómo evitar y dominar las enfermedades de las hortalizas. P. R. Agr. Expt. Sta. (Rio Piedras) C. 108, 33 p. 1943. 100 P83C
- Manual on vegetable diseases in Puerto Rico. Prepared for use of county agricultural agents, teachers of agriculture, and crop specialists.
49. ALVAREZ GARCÍA, L. A. De las enfermedades de las hortalizas. P. R. Agr. Expt. Sta. (Rio Piedras). Agr. Expt. 3(4):2-4. July/Aug. 1943. 100 P83Ac
- Diseases of garden crops and their control.
50. ALVAREZ GARCÍA, L. A. A mahogany seedling blight in Puerto Rico. Caribbean Forester 1:23-24. Oct. 1939. 1.9622 T2C23
- Phyllosticta swietenia* n. sp. on *Swietenia mahagoni*.
51. ALVAREZ GARCÍA, L. A. El problema de las enfermedades en la producción de hortalizas en Puerto Rico. Rev. del Café 5(4):17-18. Sept. 1949. 8 R3295
- A general article on the diseases of potatoes, tomatoes and onions; control measures.
52. ALVAREZ-LAVIADA, M. La sigatoka. Rev. de Agr. [Dominican Repub.] 33:71-73, illus. Mar./Apr. 1942. 8 R323
- Leaf spot (*Cercospora musae*) on banana.
53. AMARGÓS, J. L. Aprendiendo a vivir con la enfermedad del cocotero. Rev. de Agr. [Cuba] 4:975-982, illus. July 1938. 8 R328
- Preliminary note in B. de Inform. Agr. Santa Clara 9(100):102-24. Apr./June 1937. 8 Sa53
- Nematode disease.
54. AMARGÓS, J. L. La clorosis de las ornamentales. Agronomía [Habana] 8(5):20-23. May 1948. 8 C893
- Observed in Cuban gardens.
55. AMARGÓS, J. L. La clorosis del Vedado. Agronomía [Habana] 6:256, 266-269. Jan.-Feb. 1946. 8 C893
- Chlorosis of garden plants in the Vedado district, Cuba.
56. ANAS, J. La maladie vermiculaire; susceptibilité des bananiers infectés par les anguillules aux attaques de *Cercospora* (leaf spot). Rev. Agr. [Guadeloupe] (n.s.) 4:153-158. Nov./Dec. 1947. 8 R327
- Cercospora musae*.
57. ANDRADE, A. C. DE. Podridão das raízes (Rosellinia) em juta indiana. Biológico 8(8):217-218. Aug. 1942. 442.8 B529
58. ANDRADE, A. C. DE. Progresso no estudo dos fungicidas orgânicos. Biológico 14:57-64. Mar. 1948. 442.8 B529
59. ANDRADE, A. C. DE, and SALLES, J. M. Pulverização da batatinha. Biológico 15:187-198. Oct. 1949. 442.8 B529
- Spraying potatoes.
60. ANDRADE, A. C. DE. Thielaviopsis paradoxa causando escurcimento do lenho do tronco de palmeira. Biológico 8:93. Mar. 1942. 442.8 B529
- No species of palm indicated.
61. ANDRADE, D. X. DE. A "tristeza" dos citros. Pernambuco Sec. de Agr., Indús. e Com. B. 12: 45-48. Jan./Mar. 1945. 8.2 P423
62. ANDREWS, W. F. Field investigations on black-arm disease of cotton under different field conditions. I-III. Empire J. Expt. Agr. 4:344-356; 5:204-218; 6:207-218, illus. 1936-38. 10 Em7
- I. The relation of the incidence and spread of black-arm disease of cotton to cultural conditions and rainfall in the Anglo-Egyptian Sudan. II. The effect of flooding infective cotton debris. III. The mode of infection of the newly planted crop.
- Disease due to *Pseudomonas malvacearum*.
63. ANGELOS, O. La "tristeza" de los cítricos. Agronomía [Lima] 12(52):89-90. Oct./Dec. 1947. 9.8 Ag83
64. LA ANTRACNOSIS del palto. Vida Agr. [Lima] 14:533-540, illus. July 1937. 9.3 V66
65. ARANA, O. Informe sobre la enfermedad del banano conocida con el nombre de Sigatoka. Rev. Agr. [Guatemala] 14:355-359, illus. Apr. 30, 1937. 8 G934
- Cercospora musae* cause of leaf spot.
66. ARANGO MESTRE, O. Enfermedades del cultivo de la "fruta bomba" [Carica papaya]. Control de Plagas 8:70-71. May 1946. 464.8 C76
- In Cuba.
67. ARANGO V., A. Uso de la creolina. Vida Rur. 6(72):12. July 1945. 9.4 V66
- For control of plant diseases in Colombia.
68. ARANO, R. E. El "carbón" de la caña de azúcar. Argentina. Min. de Agr. Almanaque (1945):20: 239-240. 9 Ag87
- Produced by *Ustilago scitaminea*.
69. ARAUJO MARQUES, M. DE. A verrugose do abacateiro: experiências sobre o combate e seus resultados. Brazil. Dept. Nat. da Prod. Veg. Serv. de Defesa Sanit. Veg. P. 13, 26 p., illus. 1938. 464.9 B73
- Sphaceloma persea*.
70. ARENS, K. O processo de infecção da Bromelia lactuca. São Paulo. U. Bot. 1:39-54, illus. 1937. 451 Sa63
- German summary.
71. ARENTSEN, S. Aislamiento de un hongo de la "pudrición parda". Chile. Dir. Gen. de Agr. Agr. Tech. 8:160-161, illus. Dec. 1948. 464.9 C432B
- Phytophthora palmivora*, cause of gummosis in citrus.
72. ARENTSEN, S. Enfermedades de los citros en Chile. Simiento 14(3/4):6-8, illus. 1945. 9.3 Si4
73. ARENTSEN, S. S. Estudio de la susceptibilidad presentada por diversas especies y variedades de citrus al ataque de *Phytophthora citrophthora* (Sm. & Sm.) Leon. Chile. Dept. de Sanid. Veg. B. de Sanid. Veg. 2:56-60, illus. Jan./June 1942. 464.9 C432B
74. ARENTSEN, S. La hernia de las coles. Unión Agr. del Sur. 3(16):30-31. Mar. 1945. 9.3 Un3
- Club root of cabbage and other crucifers caused by *Plasmodiophora brassicae*.
75. ARENTSEN, S. S. Rajadura de las frutas cítricas. Campinas [Santiago] 76:228-229, 262, illus. May 1944. 9.3 Si2
- Split of citrus fruits in Chile.
76. ARENTSEN, S. S. La "roya" [Puccinia menthae] de la menta [Mentha]. Simiento 15:144-146, illus. 1945. 9.3 Si4
- In Chile.

77. ARGENTINA. MINISTERIO DE AGRICULTURA. Informaciones de interés para los trabajos de selección de variedades resistentes a sus principales parásitos. Argentina. Inst. de Fitotec. Hoja Inform. 11,5 p. June 1949. 464.9 Ar324
78. ARGENTINA. MINISTERIO DE AGRICULTURA. INSTITUTO DE FITOTECNIA. Informaciones de interés para los trabajos de selección de cebadas resistentes a "Rhynchosporium secalis" y de trigos resistentes a "Seoria" S. nodorum y S. tritici. Argentina. Inst. de Fitotec. Hoja Inform. 7,3 p. May 1947. 464.9 Ar324
79. ARGOTE, F. Dos graves enfermedades del manzano en el noroeste de Chihuahua. Tierra [México, D. F.] 3:211-214. Mar. 1948. 8 T445
Root rot caused by *Rosellinia necatrix*.
80. AROSTEGUI, F. Algunas enfermedades y plagas del árbol del cacao. Agr. Venezol. 1(9):22-24, illus. Jan. 1937. 9.95 Ag87
Doença-jambore negro de las mazorcas; câncer o lepra do tronco; enfermidade negra de la raíz.
81. ARRUDA, S. C. Antraconose e cancro das anônias. Biológico 6:224-225. Aug. 1940. 442.8 B529
Cause of canker undetermined.
82. ARRUDA, S. C. A cana de açúcar e o problema das doenças. Biológico 7:271-280. Oct. 1941. 442.8 B529
83. ARRUDA, S. C. As doenças da cana de açúcar no Estado de São Paulo. I-IV. Biológico 11:309-315; 12:21-27, 63-69, 123-134, illus. 1945-46. 442.8 B529
Contents: I. Escaldura das folhas; II. Mosaic; III. Doenças de importância secundária; IV. Control.
84. ARRUDA, S. C. A "escaldadura das folhas," doença da cana de açúcar, nova no Brasil. Inst. Biol. [São Paulo] Agr. 15:141-196, illus. Dec. 1944. 442.9 Sa6
English summary.
Caused by *Phytophthora albidineans*.
85. ARRUDA, S. C. Fungo preto (Corynelia) das folhas de pinheirinho (Podocarpus). Biológico 6:201. July 1940. 442.8 B529
Disease due to *Corynelia brasiliensis*.
86. ARRUDA, S. C. A história das grandes epifitias da cana de açúcar. Biológico 7:313-318, illus. Nov. 1941. 442.8 B529
Important epidemics of sugarcane diseases.
87. ARRUDA, S. C., and FRANCO DO AMARAL, J. Leaf scald of sugar cane in Brazil. Phytopathology 35: 135-137. Feb. 1945. 464.8 P56
Phytophthora albidineans.
88. ARRUDA, S. C. "Mal do Panamá" em "Bernardino de Campos." Biológico 5:198-199. Sept. 1939. 442.8 B529
Fusarium oxysporum var. *cubense* cause banana wilt.
89. ARRUDA, S. C., and DESLANDES, J. A murcha da mamoneira do nordeste. Biológico 6:144-148. June 1940. 442.8 B529
Fusarium orthoceras var.
90. ARRUDA, S. C. Murcha de Sclerotium. Biológico 6:67-68. Mar. 1940. 442.8 B529
Discussion of a disease caused by *Sclerotium rolsii*.
91. ARRUDA, S. C., and GONÇALVES, R. D. A "murcha," uma nova doença da mamona em São Paulo. Biológico 3:232-235, illus. 1937. 442.8 B529
Fusarium sp.
92. ARRUDA, S. C. Observações sobre algumas doenças do eucalipto no Estado de São Paulo. Biológico 9: 140-144, illus. June 1943. 442.8 B529
Cylindrocadium sp., possible causal organism of diseases of Eucalyptus seedlings; other diseases discussed.
93. ARRUDA, S. C. A podridão parda da couve flor. Biológico 4:343-344, illus. Oct. 1938. 442.8 B529
Alternaria brassicae.
94. ARRUDA, S. C. A septoríose ou mancha da folha do tomateiro. Soc. Rur. Bras. Rev. 27(325):24-25. Sept. 1947. 9.2 B733
Septoria lycopersici.
Also in Biológico 4:389-392, illus. Dec. 1938. 442.8 B529
95. ARTEAGA, P. H. Gomosis de los citrus. Corp. Frutícola Argentina. Rev. Ofici. 11(122):31. Feb. 28, 1945. 83 C81
From La República, San Salvador.
96. ASHLANT, H. Hevea brasiliensis and disease resistance. India Rubber J. 99:274-276, illus. Mar. 16, 1940. 305.8 In21
Apparent resistance dependent upon weather and soil conditions, particularly resistance to *Phytophthora meadii* attack.
97. ASHLANT, H. The replanting of old rubber areas, and root disease. (A discussion of some recent plantation research). India Rubber J. 99:342-343, illus. Apr. 6, 1940. 305.8 In21
Combating "white rot disease," due to *Fomes lignosus*.
98. ASSAM. DEPT. OF AGRICULTURE. Annual report for the year ending 31st March, 1947. Shillong, 1949. 362 p. 22 As7Rp
Mycology, p. 22-24. Brief notes on diseases of paddy, sugarcane, banana, potato, arecanut, and pan.
Earlier reports, by S. K. Mitra and H. K. Nandi, plant pathologists, deal also with diseases of tobacco, jute, ginger, litchi, pineapple, arecappalm, tomato, chilli, cabbage, cauliflower, limes, oranges, soybeans, apple, jowar, onion, cotton, betelvine, peach and plum, wheat, linseed, grape, and cocoanut.
99. ASTHANA, R. P. Bacterial leaf-spot on Arum. Cur. Sci. 15:356. Dec. 1946. 475 Sc123
Work in progress on this disease at the Agricultural Research Institute at Nagpur, India. Organism not identified.
100. ASTHANA, R. P. Bacterial root-rot of citrus. Nagpur Agr. Col. Mag. 21:77-79. Dec. 1946/Mar. 1947. 107.5 N132
101. ASTHANA, R. P., and MAHMUD, K. A. Cercospora leaf-spot on Piper longum Linn. Nagpur Agr. Col. Mag. 21:58-59. Dec. 1946/Mar. 1947. 107.5 N132
102. ASTHANA, R. P. Cheap & simple control of grain-smut of sorghum. Nagpur Agr. Col. Mag. 22:6-9. June 1947. 107.5 N132
Caused by *Sphacelotheca sorghi*.
103. ASTHANA, R. P. The influence of chemical manures upon "white rot" of Allium. Indian Acad. Sci. Proc. Sect. B. 22:168-174. Sept. 1945. 513 In25B
Sclerotium cepivorum on onions.
104. ASTHANA, R. P. Latent wither-tip infestation on citrus. Indian Acad. Sci. Proc. Sect. B. 24:243-245. Nov. 1946. 513 In25B
Due to *Colletotrichum gloeosporioides*.
105. ASTHANA, R. P., and MAHMUD, K. A. A new bacterial leaf-spot on Piper betle. Cur. Sci. 14:73. Mar. 1945. 475 Sc123
Characteristics quite different from those of *Bacterium betle*, provisionally named *Bacillus betle*.
106. ASTHANA, R. P. The role of cuttings in the dissemination of foot-rot of Piper betle. Indian J. Agr. Sci. 17:223-225. Aug. 1947. 22 Ag831
A disease due to *Phytophthora parasitica*, in the Central Provinces and Berar, India.
107. ASTHANA, R. P., and MAHMUD, K. A. Tip-burn of Piper betle in the Central Provinces. Cur. Sci. 13:234, illus. Sept. 1944. 475 Sc123
108. ASTHANA, R. P. Wheat rusts and their control. Nagpur Agr. Col. Mag. 22:139-143. Sept. 1947/Mar. 1948. 107.5 N132
109. AVILA, J. A. Dos novas enfermidades do trigo en la zona de Tarija. Colon y Agr. [La Paz] 12:11-14. Aug. 1937. 9.1 C712
Take-all disease of wheat and root rot caused by *Ophiobolus graminis* and *Helminthosporium sativum*, in Bolivia.
110. AZEVEDO, N. Relação bibliográfica referente a fungos e doenças do caféiro. Rodriguesia 2 (numero esp.) :213-238. 1936[1937]. 442.8 R61
Spanish and English introduction.
Paper presented at Conference of the Plant Pathologists of Brazil.
111. BACCHI, O. Identificação colorimétrica em Citrus. Bragantia 3:179-189, illus. (col.). July 1943. 102.5 B737B
English summary.
Colorimetric tests used to identify stocks of orange trees in the citrus orchards of the State of São Paulo, Brazil, in order to test susceptibility to tristeza disease.
112. BACHY, A. Etude sur le "boyomi" et quelques autres maladies graves du palmier en Afrique. Oleagineux 4:421-426. July 1949. 77.8 OL2
English summary, p. 453.
Possibly a deficiency disease.
113. A BACTERIOSE da mandioca. Campo [Rio de Janeiro] 10(119):28-30, illus. Nov. 1939. 9.2 C15
Bacillus manihoti.
114. BAIN, F. M. Bronze leaf wilt disease of the coconut palm. Hort-of-Spain, Trinidad, J. D. Corrie, 1937. 48 p., illus. 464.09 B16
Description of disease; thorough study of soil conditions; discussion of control methods.

115. BAIN, F. M. A progress report on the dying of limes. Agr. Soc. Trinidad & Tobago. Proc. 45:123-149. June 1945. 8 T73

A possible "lack of balance between growth period and dormancy."

116. BAIN, F. M. Report on the coconut growing areas of Jamaica. Jamaica. Dept. Sci. & Agr. B. 22, 12 p. 1940. 8 J227B

On the bronze leaf wilt of coconut palm in western Jamaica and its control.

117. BAKER, R. E. D. Additions and corrections to the further preliminary list of Trinidad fungi by C. A. Thorold, 1931. Trop. Agr. [Trinidad] 14:316-319. Nov. 1937. 26 T754

118. BAKER, R. E. D. Cacao virus diseases. Agr. Soc. Trinidad & Tobago. Proc. 45:289,291-294. Dec.1945. 8 T73

Experimentations with a virus disease at River Estate, Trinidad.

119. BAKER, R. E. D. Citrus scab disease on grapefruit in Trinidad. Trop. Agr. [Trinidad] 15:77-79. Apr. 1938. 26 T754

Caused by the fungus *Elsinoe fawcettii*. Distribution of the disease in Trinidad; relationship of the disease to temperature and humidity; inoculation experiments; control recommendations.

120. BAKER, R. E. D. Citrus scab on Marsh grapefruit. Trop. Agr. [Trinidad] 14:69. Mar.1937. 26 T754

Caused by *Spilocloma fawcettii*.
121. BAKER, R. E. D. The control of scab and certain other diseases and pests of grapefruit by fungicides and insecticides. Trop. Agr. [Trinidad] 16:31-34. Feb. 1939. 26 T754

Spilocloma fawcettii.

122. BAKER, R. E. D. Distribution of fungous diseases of crop plants in the Caribbean region. Trop. Agr. [Trinidad] 17:90-94. May 1940. 26 T754

List of the more important diseases of the major crops in the West Indies for plant quarantine purposes.

123. BAKER, R. E. D., and DALE, W. T. Fungi of Barbados and the Windward Islands. Commonwealth Mycol. Inst. Mycol. Papers 25,26 p. Dec.29,1948. 451 IM73M

This list is based on collections made from 1944 to 1947, inclusive.

124. BAKER, R. E. D. Gummosis of citrus in Trinidad. I-III. Trop. Agr. [Trinidad] 11:236-239;12:36-42;14:255-256. illus. 1934-37. 26 T754

Contents. I, Marsh grapefruit on sour orange stock; II, The causal organisms; III, Notes on the control of the disease in old plantations.
Disease is attributed to the fungus *Phytophthora parasitica*.

125. BAKER, R. E. D. The influence of climatic factors on citrus scab disease. Trop. Agr. [Trinidad] 17:83-86. May 1940. 26 T754

Elsinoe citri, causal agent.

126. BAKER, R. E. D., and DALE, W. T. Notes on a virus disease of cacao. Ann. Appl. Biol. 34:60-65. illus. Feb.1947. 442.8 An72

Occurring in the northwestern part of Trinidad.

127. BAKER, R. E. D. Notes on some diseases of field crops, vegetables and fruits at the Imperial College of Tropical Agriculture. I-VII. Trop. Agr. [Trinidad] 20:28-32,50-63. Feb.-Mar.1943. 26 T754

I, Cereals; II, Sugar cane and fodder grasses; III, Root crops; IV, Legumes; V, Fruits and vegetables; VI, Miscellaneous crops; VII, General subjects.

128. BAKER, R. E. D. Notes on the control of mango anthracnose (*Colletotrichum gloeosporioides*). Trop. Agr. [Trinidad] 15:12-14. Jan.1938. 26 T754

Spraying experiments.

129. BAKER, R. E. D. Notes on the diseases and fruit rots of tomatoes in the British West Indies. Trop. Agr. [Trinidad] 16:252-257. Nov.1939. 26 T754

130. BAKER, R. E. D. Papaw mosaic disease. Trop. Agr. [Trinidad] 16:159-163. illus. July 1939. 26 T754

131. BAKER, R. E. D. [Phytophthora parasitica on young lime scions]. Trop. Agr. [Trinidad] 16:110. May 1939. 26 T754

An outbreak of damping-off of citrus in October, 1934 in Trinidad, caused by *Phytophthora parasitica*.

132. BAKER, R. E. D. Red root disease of limes in the British West Indies. Trop. Agr. [Trinidad] 15:105-108. May 1938. 26 T754

Sphaerostilbe repens thought to be the fungus causing the disease. Includes an account of destructive outbreaks in Dominica, Montserrat and St. Lucia.

133. BAKER, R. E. D., CROWDY, S. H., and MCKEE, R. K. A review of latent infections caused by *Colletotrichum gloeosporioides* and allied fungi. Trop. Agr. [Trinidad] 17:128-132. illus. July 1940. 26 T754

134. BAKER, R. E. D., and CROWDY, S. H. Studies in the witches' broom disease of cacao caused by *Marasmius pernicius* Snel. I-II. Trinidad Imp. Co. Trop. Agr. Mem., Mycol. & Bact. Ser. 7,28 p.; 8,28 p., illus. 1943-44. 451 Sa28

I, Introduction, symptoms and etiology; II, Field studies and control methods.

135. BAKER, R. E. D. Studies in the pathogenicity of tropical fungi. I-II. Ann. Bot. (n.s.) 1:59-65; 2:919-931. Jan. 1937-Oct. 1938. 450 A

C. W. Wardlaw, joint author, I.

I, On the types of infection encountered in the storage of certain fruits; II, The occurrence of latent infections in developing fruits.

136. BAKER, R. E. D. Witches' broom disease investigations. I-XII. Trop. Agr. [Trinidad] 18:107-116;19:207-209;20:5-12,15-158,176-181;188-194,239-241;21:170-176,196-199. 1941-44,1946. 26 T754

S. H. Crowdy, joint author, I-II; C. A. Thorold, joint author, I, sole author, V, VII; R. K. McKee, joint author, VI; W. T. Dale, joint author, VII-XI, sole author, XII. Experiments on disease of cacao at Marper Estate, Trinidad.

I, Seasonable variations in intensity of infection and their effect on control methods; II, Notes on the susceptibility of I. C. selections at River Estate to witches' broom disease of cacao; III, Notes on the occurrence of witches' broom disease of cacao at River Estate, 1939-42; IV, Further notes on the susceptibility of I. C. selections at River Estate to witches' broom disease of cacao; V, Large-scale experiments on direct control; VI, The infection of flower cushions and pods of cacao by *Marasmius pernicius* Snel; VII, Observations on direct control; VIII, Observations on fan broom formation and loss of pods at River Estate from September 1942 to September 1943; IX, Loss of pods at River Estate. Results to April 1944; X, Loss of pods in I. C. clones at River Estate during 1943; XI, Observations on the effect of planting interval on witches' broom disease at River Estate; XII, Further studies on the infection of cacao pods by *Marasmius pernicius* Snel.

137. BALAKRISHNAN, M. S. *Phytophthora palmivora* Butler causing a seedling blight of *Hibiscus esculentus* L. Indian Acad. Sci. Proc. Sect. B 26:142-146. Oct.1947. 513 IN25B

Contributions from the Mycology Section, Agricultural Research Institute, Coimbatore.

138. BALAKRISHNAN, M. S. *Phytophthora palmivora* Butler on *Cyphomandra betacea* Sendt. and *Carica papaya* Linn. Cur. Sci. 16:146-147. May 1947. 475 Sc123

Fungus disease of the tree tomato and papaya.

139. BALAKRISHNAN, M. S. South Indian *Phycomycetes*. I. *Pythium indicum* sp. nov. causing a fruit rot of *Hibiscus esculentus* Linn. Indian Acad. Sci. Proc. Sect. B 27:161-173. illus. June 1948. 513 IN25B

140. BALDO, G. A. Y. *Phytophthora*. Algunas enfermedades de manzano y su profilaxis. Rancho Mesa. 3(2):53-56,76, illus. Aug.1947. 8 RI5R

141. BALDRATI, I. Una fanerogama parassita dei cereali (*Striga lutea* o *Erba Strega*). Agr. Colon. 35:14-21. Jan.1941. 26 Ag82

142. BALLEYGUIER, A. Swollen shoot disease in the Ivory Coast. In Cacao, Chocolate and Confectionery Alliance. Report of the Cacao Conference, 1949,p.112. London, 1949. 68.39 C642

143. BALLOU, C. H., and MÜLLER, A. S. Enfermedades de los aguacates. Agr. Venezol. 4(49):47. May 1940. 9.95 Ag8

Diplodia cacaoicola.

144. BALSEVICINS, E. La desinfección de la semilla de arroz para la siembra. Rev. Agr. y Ganad. 11(119):9-10. Dec.1949. 9 R327

145. BANCORA, E. D. Remedios de acción combinada en la lucha contra las enfermedades de los árboles frutales y consideraciones generales relativas a su aplicación. Buenos Aires (Prov.) Dir. de Agr. Ganad. e Indus. Anu. Rur. 7:257-264. 1939. 9 B366A

Includes list of cryptogamic diseases of fruit and fruit trees in Buenos Aires and fungicides and insecticides used to control them.

146. BANCORA, E. La viruela en los frutales. Buenos Aires (Prov.) Dir. de Agr. Ganad. e Indus. Anu. Rur. 10:211-213. illus. 1942. 9 B866A

California blight of fruits due to the fungus *Corynebacterium*.

147. BANERJEE, S. The occurrence of Phytophthora parasitica Dast on Caralluma (Boucerosia) diffusa Wright. Calcutta U. Dept. Sci. J. (n.s.)1:53-71, illus. Nov.1937. 513 C124
Stem rot.
148. BANERJEE, S. On Fusarium equiseti (Cda.) Sacc. (= Fusarium falcatum App. et Wr.) causing a leaf-spot disease of Eichhornia crassipes Solms. I. Calcutta U. Dept. Sci. J. (n.s.)1(9):29-37, illus. Aug.1942. 513 C124
Infected leaves of water-hyacinth plants.
149. BANERJEE, S., and GHOSH, T. Preliminary report on the occurrence of higher fungi on bamboos in and about Calcutta. Sci. & Cult. 8(4):194. Oct.1942. 475 Sc124
List of fungi.
150. BANERJEE, S., and BAKSHI, B. K. Studies in the biology of wood-rotting fungi of Bengal. Indian Bot. Soc. J. 24:73-93, illus. May 1945. 450 J821
Description of six species of Polyporaceae.
151. BARBADOS. DEPT. OF SCIENCE AND AGRICULTURE. Annual report for the year 1947/48. [Bridgetown] 1949. 82 p. 8 B23A
Plant diseases, by D. R. D. Wiles, p. 60-61. Deals with diseases of sugarcane and cotton.
- Previous reports are similar.
152. BARRETO, S. Enfermedades de la viña. Peronospora, oidium, antracnosis, perla de tierra. Tratamiento. Campo y Arados 8(83):20, illus. Jan.1944. 9 C152 In Uruguay.
153. BATALLANEZ, R. H. Presencia de la "antracnosis" del lino en la República Argentina. Pergamino. Estac. Expt. P. 23,34 p., illus. (pt. col.). 1947. 102.5 P41
English summary.
- Produced by Colletotrichum lini.
154. BATES, G. R. Diseases of citrus fruits in Southern Rhodesia. Mazoe Citrus Expt. Sta. Ann. Rpt. 1936:169-208, illus. 1937. 93.33 M45
155. BATISTA, A. C., and CARNEIRO, H. A ação do DD, comprovada eficiente contra Fusarium bulbigermum var. lycopersici (Brush) W. e R. Pernambuco. Sec. de Agr., Indús. e Com. B. 14:62-71. Jan./Mar.1947. 9.2 P423
English summary.
- Experiments with pepper and tomato.
156. BATISTA, A. C. O "anel vermelho" do coqueiro e a fumigação do solo com D-D. Pernambuco. Sec. de Agr., Indús. e Com. B. 15:356-387, illus. July/Dec.1948. 9.2 P423
157. BATISTA, A. C. Ceratostomella fimbriata (E. & H.) Elliot sobre Crotalaria juncea L. em Pernambuco. Pernambuco. Sec. de Agr., Indús. e Com. B. 14:243-245, illus. July/Sept.1947. 9.2 P423
158. BATISTA, A. C., and COUCEIRO, E. M. Crotalaria juncea Lin. e Fusarium javanicum Koord. Pernambuco. Sec. de Agr., Indús. e Com. B. 14:214-221, illus. Apr./June 1947. 9.2 P423
159. BATISTA, A. C., and CARNEIRO, H. DD como nematocida, para a horticultura. Pernambuco. Sec. de Agr., Indús. e Com. B. 14:147-157, illus. Apr./June 1947. 9.2 P423
English summary.
160. BATISTA, A. C. Principais doenças das plantas em Pernambuco. Pernambuco. Sec. de Agr., Indús. e Com. B. 13:195-252;14:5-46, illus. 1946-47. 9.2 P423
Plant diseases in Brazil. Includes diseases of rice, cotton, avocado, banana, sweetpotatoes, potato, onion, citrus, coco-palm, sugarcane, coffee, tobacco, mango, manioc (cassava) narcissus, orchids, peony, roses, sisal, sorghum, tomato and tulip.
161. BATISTA, A. C. "Tipburn" do abacateiro, em Pernambuco. Pernambuco. Sec. de Agr., Indús. e Com. B. 13:136-139, illus. July/Sept.1946. 9.2 P423
162. BAZAN DE SEGURA, C. Algunos fungicidas, su preparación y aplicaciones. Rev. de Agr. [San José] 20: 245-259. July 1948. 8 E51
Also in Lima, Peru. Estac. Expt. Agr. de La Molina. Divulg. Agr. 7,15 p. Feb.1947. 102.5 L622D
163. BAZAN DE SEGURA, C. Lista de las principales enfermedades de las plantas determinadas en el Perú por el Departamento de Fitopatología. Peru. Dir. de Expt. Agr. Divulg. Agr. 3,13 p. Lima, 1946. 102.5 L622D
In English and Spanish.
- Includes diseases of coffee, cacao, sugarcane, orange, maize and beans.
164. BAZAN DE SEGURA, C. Una nueva enfermedad del haba (Vicia faba L.) en el Perú. Agronomía [Lima] 10(40):49-52, illus. July/Aug.1945. 7.8 Ag83
Caused by Phoma sp.
165. BAZAN DE SEGURA, C. Nuevas enfermedades del lino en el Perú. Lima, Peru. Estac. Expt. Agr. de la Molina. B. 36,37 p., illus. (pt. col.). Dec.1947. 102.5 L622B
Sclerotinia sclerotiorum and Colletotrichum linicolum.
166. BAZAN DE SEGURA, C. Nuevo tipo de gomosis de los naranjos en el Perú. Lima, Peru. Estac. Expt. Agr. de la Molina. B. 32,7 p., illus. 1947. 102.5 L622B
Black rot caused by Diploicia natalensis.
167. BAZAN DE SEGURA, C. La podredumbre morena [Sclerotinia fruticola] del melocotomero en el Perú. Lima, Peru. Estac. Expt. Agr. de la Molina. B. 30,13 p., illus. 1946. 102.5 L622B
168. BAZAN DE SEGURA, C. Podredumbre radical del algodonero. Cent. Nac. de Invest. y Expt. Agr. de la Molina. B. 37,22 p., illus. Oct.1949. 102.5 L622B
English summary.
- Thielaviopsis basicola.
169. BAZAN DE SEGURA, C. Virosis de la papa en el Perú. Lima, Peru. Estac. Expt. Agr. de la Molina. B. 31,7 p., illus. (pt. col.). 1947. 102.5 L622B
Virus X (latent mosaic).
170. BAZAN PIZARRO, C. La virosis de la papa en el Perú. Agronomía [Lima] 8(30):41-71;(31):15-43. May/Aug.1943. 9.8 Ag83
171. BEELEY, F. Covers in relation to the incidence and control of diseases and pests in rubber plantations. I. Above-ground diseases and pests. India Rubber J. 96: 725-727. Dec.17,1938. 305.8 In21
The author is with the Rubber Research Institute, Malaya.
- The article deals with pink disease, mouldy rot, bark cankers, and various leaf spot fungi.
172. BEELEY, F. Diseases and pests of new plantings of Hevea. Planter 19:452-453. Sept.1938. 78.8 P69
Leaf spot diseases, pink disease, dieback, collar rot, and patch canker.
173. BEELEY, F. Diseases and pests of young rubber and cover plants. Planter 19:106-111. Mar.1938. 78.8 P69
Brief discussions of physiological diseases and those due to fungus parasites in Malaya.
174. BEELEY, F. A nematode pest of roots of cover plants. Rubber Res. Inst. Malaya J. 9:51-58, illus. July 1939. 78.9 R824J
Species of eelworm closely resembling Heterodera marioni, causing root knot of cover plants in Malaya.
175. BEELEY, F. Oidium heveae. Report on the 1933-39 outbreak of Hevea leaf mildew. Rubber Res. Inst. Malaya J. 5:5-13,342-350;6:49-57;7:20-26;8:140-148,232-240;9:59-67. Sept.1933-July 1939. 78.9 R824J
Districts of Malaya most affected: Johore, Malacca, Negri Sembilan, Selangor, Perak, Province Wellesley, Kedah, and Pahang.
176. BEELEY, F., and BAPTIST, E. D. C. Palm oil diluent for tar oil fungicides and its effects on bark renewal of Hevea. Rubber Res. Inst. Malaya J. 4:9-50. July 1939. 78.9 R824J
Describes an experiment to determine "the benefits of using palm oil as a diluent for fungicides for application to the tapped panel of rubber trees."
177. BEELEY, F. Pests and diseases in rubber-growing. Rubber Res. Inst. Planters' B. 17:6-10. Oct. 1941. 78.9 R825
Talk...broadcast from the Singapore Station of the Malaya Broadcasting Corporation, Oct. 1, 1941.
178. BELL, A. F. Downy mildew disease. Queensland Bur. Sugar Expt. Stas., Cane Growers' Q. B. 6:30-32, illus. July 1938. 65.9 Q3C
179. BELL, A. F. Downy mildew, Queensland's most important sugarcane disease. Queensland Bur. Sugar Expt. Stas., Cane Growers' Q. B. 7:178-182. Apr.1,1940. 65.9 Q3C
An address to the Queensland Society of Sugar Cane Technologists at Mackay conference, 1940.
- Discusses nature and spread of disease, and control measures.
180. BELL, A. F. Fiji disease of sugarcane. Queensland Soc. Sugar Cane Technol. Proc. 9:211-218, illus. 1939. 65.9 Q332
Transmitted by the sugarcane leafhopper, Perkinsiella saccharicida.

181. BELL, A. F. Mosaic disease in Q.25. Queensland Burt. Sugar Expt. Stas., Cane Growers' Q. B. 8:127. Apr. 1, 1941. 65.9 Q3C
- Experimental work shows with this variety of sugarcane in the Bundaberg district shows susceptibility to mosaic disease, caused by the corn aphid.
182. BELL, A. F. Pineapple disease: a cause of poor germination in cane. Queensland Agr. J. 47:323-324, illus. Mar. 1, 1937. 23 Q33
183. BELL, A. F. Twenty years of disease control. Austral. Inst. Agr. Sci. J. 15:2-7. Mar. 1949. 23 Au74
- Plant diseases relating particularly to sugarcane.
184. BEMBOWER, W. Nematode control. Hawaii. U. Agr. Ext. C. 219, 2. May 1947. 275.25 H312A
185. BENATAR, R. Algunas observaciones sobre a "hernia" das crucíferas. Brazil. Esc. Nac. de Agron. B. 2:281-301, illus. 1941. 102.5 R473
- English summary.
- Plasmidiophora brassicae on Brassica acephala.
186. BENATAR, R. Contribuição ao estudo bibliográfico de doenças da roseira. Rodriguésia 2 (numero especial):239-264. 1936 [1937]. 44.2 R61
- Contents: Pt. 1, Alphabetical list of fungi common to the rose bush; Pt. 2, Alphabetical list of authors, with reference to published works on rose diseases.
187. BENATAR, R. Contribuição ao estudo e tratamento das mais comuns doenças de roseiras. Rodriguésia 2 (8):9-23, illus. Mar./June 1937. 44.2 R61
- Description of microscopical observations and treatment of leaf spot, rusts, and other diseases of the rose.
188. BENGAL. DEPT. OF AGRICULTURE. Annual report, 1938/39. Alipore, 1939. 377 p. 22 B435
- Mycology, by P. C. Kar, p. 21-25. Deals principally with diseases of betelvine, rice, sugarcane, potatoes, sunn-hemp, flax, linseed, gram, groundnuts, brinjal plants, mango, banana, citrus and orange diseases.
- Earlier reports are similar; later reports are not available.
189. BENNETT, C. W., and others. The Argentine curly top of sugar beet. J. Agr. Res. 72:19-48, illus. Jan. 1, 1946. 1 Ag84J
- E. Carsner, G. H. Coons, and E. W. Brandes, joint authors.
- Studies were carried on at Arlington, Va., in 1927 and 1937-39 on diseased material from Argentina. Further studies were made at the Estación Experimental Agrícola de Tucumán in Argentina, September 1940 to March 1941. Proposed name of Argentine virus, Ruga verrucosans distans.
190. BENNETT, C. W., and COSTA, A. S. The Brazilian curly top of tomato and tobacco resembling North American and Argentine curly top of sugar beet. J. Agr. Res. 78:675-693, illus. June 15, 1949. 1 Ag84J
- A virus disease, transmitted by the leafhopper, Agallia albulda; transmission experiments.
191. BENNETT, C. W. Informe sobre experimentos con el mosaico de la caña de azúcar en Tucumán, Argentina, octubre 12 de 1940 a febrero 9 de 1941. Tucumán Rev. Indus. y Agr. 31:427-437. Oct./Dec. 1941. 9 T79
192. BENNETT, C. W., and COSTA, A. S. Tristeza disease of citrus. J. Agr. Res. 78:207-237, illus. Apr. 15, 1949. 1 Ag84J
- Part of a cooperative study between the Bureau of Plant Industry, U. S. Department of Agriculture and Instituto Agronomico, State of São Paulo, Brazil.
- Results of studies conducted cooperatively in Campinas, Brazil, from 1946-48 on methods of transmitting this disease and methods of control. Includes also results of studies of which a preliminary report was made in 1947.
193. BENNETT, C. W., and MUNCK, C. Yellow wilt of sugar beet in Argentina. J. Agr. Res. 73:45-64. July 15, 1946. 1 Ag84J
- Chlorogenus patagoniensis is the proposed name for the virus causing the diseases of sugar beet in the Valley of the Rio Negro.
194. BENTANCUR, M. O. Diferentes metodos de cura contra el carbon (Ustilago bromivora Tul.) de la cebadilla Australiana (Bromus unioloides (Willd.) H. B. K. Arch. Fitotec. Uruguay 3:170-173, illus. 1939. 102.5 Ur8A
- English summary.
195. BERLIN. BIOLOGISCHES REICHSANSTALT FÜR LAND- UND FORSTWIRTSCHAFT. Literatur über tropische nutzpflanzen und deren krankheiten und schädlinge. Berlin. Biol. Reichsanst. f. Land u. Forstwirtschaft. Mitt. 56, 32 p. Apr. 1938. 410.9 G3M
- Diseases and pests, p. 10-12.

196. BERNAL CORREA, A. Las enfermedades del arroz y su importancia económica en el Valle del Cauca. Colombia U. Nac. Facult. Nac. Agron. Rev. 3:820-850. Sept./Dec. 1940. 9.4 C717
- Las principales afecciones: manchas, clorosis, quemazón, vancamienos.
197. BERNATH, E. L. Enfermedades forestales, mas especialmente la entomología y patología forestales. II. Las enfermedades forestales o mas especialmente la patología forestal. - Se trata de las enfermedades originadas por hongos o bacterias. Chile. Min. de Agr. B. 4(11):117-136. Jan./Mar. 1937. 9.3 C433
- I, not botanical.
198. BERNATH, E. L. Sobre una enfermedad de los almacigos de pino. Chile. Min. de Agr. B. 4(13):33-38, illus. July/Sept. 1937. 9.3 C433
- Caused by a Fusarium.
199. BERNES, V. El pismo del cogollo de la papaya. Agri. Venezol. 6(72):40-41. Apr. 1942. 9.95 Ag8
- Bunchy top, a virus disease.
200. BERTA, J. A., and TOBIER BOTTINI, H. D. Ensayos del caldo borrioso contra la Phytophthora infestans (Mont.) de Bary en Solanum tuberosum. Assoc. de Ingen. Agron. Rev. 17(4):3-11. Dec. 1945. 290.9 As73
- Late blight of potato in Uruguay.
201. BERTELLI, J. C. Anatomía y patología de las lesiones gomosas de las ramas del duraznero (Prunus persica Sieb. et Zucc.). Assoc. de Ingen. Agron. Rev. 19(79):11-32, illus. Sept. 1947. 290.9 As73
- English summary.
- In Uruguay.
202. BERTELLI, J. C. Control de las enfermedades de los cereales y del lino. Assoc. de Ingen. Agron. Rev. 18:9-32. June 1946. 290.9 As73
- Diseases of wheat, barley, rye, oats, maize and flax in Uruguay.
203. BERTELLI, J. C. Cura de las semillas de los cereales y del lino. Uruguay. Min. de Ganad. y Agr. B. Inform. 3:158. May 30, 1946. 9.9 G15B
204. BERTELLI, J. C., and others. Enfermedades y plagas principales de la agricultura uruguaya. Uruguay. Dir. de Agron. P. 55, 19 p. 1941. 9.9 Ur84
- G. Gassner, A. M. Guarch, L. K. de Bertelli, and F. M. Carrion, joint authors.
- Diseases, p. 1-12.
205. BERTELLI, J. C. Estudio de la naturaleza de las ramas del duraznero (Prunus persica Sieb. et Zucc.) y su relación con la gomosis. Assoc. de Ingen. Agron. Rev. 14:43-89, illus. Sept. 1942. 290.9 As73
- English summary.
206. BERTELLI, J. C., and BERTELLI, L. K. DE. Estudio histológico de la "podredumbre de las raicillas" o "tristeza" de los citros. Assoc. de Ingen. Agron. Rev. 17:15-32, illus. Mar. 1945. 290.9 As73
- English summary.
- Study of a fungus and a virus located in the citrus zone of Salto Department, Uruguay.
207. BERTELLI, J. C. Histopatología de las lesiones gomosas del duraznero (Prunus persica Sieb. et Zucc.). Assoc. de Ingen. Agron. Rev. 20(82):9-34, illus. Sept. 1948. 290.9 As73
- English summary.
- A study of the changes in cell composition in the lesions caused by fungi and insect borers.
208. BERTELLI, J. C., and BERTELLI, L. K. DE. Notas fitopatológicas: podredumbre de las raicillas de los citros. Uruguay. Dir. de Agron. P. 71, 23 p., illus. 1944. 9.9 Ur84
- English summary.
- Tristeza disease.
209. BERTELLI, J. C., and BERTELLI, L. K. DE. Notas fitopatológicas: I. F. agregado a la lista de "Enfermedades y plagas principales de la agricultura uruguaya." No. 55, año 1941-Dirección de Agronomía. Uruguay. Dir. de Agron. P. 70, 25 p., illus. 1944. 9.9 Ur84
- English summary.
210. BERTELLI, J. C. La "podredumbre de las raicillas" o "tristeza" de los citros. Uruguay. Min. de Ganad. y Agr. B. Inform. 2:402. Oct. 18, 1945. 9.9 G15B
- Control measures.
211. BERTELLI, J. C. Primer agregado al estudio de la etiología de la "podredumbre de las raicillas" o "tristeza" de los citros. Uruguay. Dir. de Agron. P. 91, 16 p., illus. 1947. 9.9 Ur84
- English summary.
- Results of an experiment on the orange tree which proves that the sweet-orange and the Poncirus trifoliata from seed, used as stocks, are resistant to the agent of the "tristeza" of citruses.

212. BERTELLI, J. C. La sarna de la naranja dulce (Elsinoe australis, Bitancourt & Jenkins) en el Uruguay. Asoc. de Ingen. Agron. Rev. 12(4):17-20, illus. Dec.1940. 290.9 As73
English summary.
Sweet orange fruit scab.
213. BERTELLI, J. C. Los setos de transparentes están siendo atacados por una enfermedad. Uruguay. Min. de Ganad. y Agr. B. Inform. 78:269. June 28,1945. 9.9 G15B
Sclerotium rolfsii on hedges.
214. BERTELLI, L. K. DE. La "podredumbre de las raíces" o "tristeza" de los citricos. Uruguay Min. de Ganad. y Agr. B. Inform. 4(177):213;5(219):2;(223):8-9. 1947-48. 9.9 G15B
215. BERTELLI, L. K. DE. Preparación del caldo bordes adherentes. Uruguay. Min. de Ganad. y Agr. B. Inform. 4:170. 20,1947. 9.9 G15B
216. BERTRAND, H. W. R., and MINOR, E. C. K. A method of controlling Fomes and other root diseases in replanted rubber areas. Trop. Agr. [Ceylon] 89:135-140. Sept.1937. 26 T751
Fomes lignosus, Fomes noxius (brown root disease), and Poria hypobrunnea.
217. BERTUS, L. S. Blossom-end rot of tomato fruits. Trop. Agr. [Ceylon] 89:220-221, illus. Oct.1937. 26 T751
218. BESEKISCH PROEFSTATION, JAVA. Jaarverslag tabak over Juli 1939-Juni 1940, by J. Schweitzer. Besoek. Proefsta. [Java], Meded. 66:1-30. 1940. 109.5 B46M
Phytopathologische onderzoekingen en waarnemingen, p. 10-27.
Earlier reports are similar; later reports are not available.
219. BESSEY, E. A. Notes on Hawaiian fungi. Mich. Acad. Sci. Arts & Let. Papers (1942)28:3-8. 1943. 500 M582
Brief historical sketch of collections of fungi made on the Islands by various mycologists.
220. BHAGWAGAR, P. R. Early blight of potato in India. Indian J. Agr. Sci. 16:296-301. June 1946. 22 Ag831
Alternaria solani and A. tomatum.
221. BHARGAVA, K. S. Pythium aphanidermatum (Edson) Fitz. on Carica papaya. Cur. Sci. 10:212-213. Apr.1941. 475 Sci23
Damping-off.
222. BHAT, S. S. The dieback disease of citrus trees. Trop. Agr. [Ceylon] 102:242-246. Oct./Dec.1946 [pub.1947]. 26 T751
Physiological disease resulting from malnutrition. Also in Indian Farming 6:250-253. June 1945. 22 In283
223. BHIDE, V. P., and UPPAL, B. M. A new Fusarium disease of lang (Lathyrus sativus). Phytopathology 38:560-567. July 1948. 464.8 P56
Fusarium orthoceras var. lathyri (n. var.), on lang in the Broach District of Bombay Province, India.
224. BIGI, F. Sui parassiti della arachide in Somalia e negli altri territori dell' Africa Orientale. Olearia 3: 901-912, illus. Dec.1949. 307.8 CL2
Fungus diseases and pests.
225. BITANCOURT, A. A. O agente da bacteriose da mandioca. Biológico 7:37. Feb.1941. 442.8 B529
Phytophthora manihoti (Arthaud-Berthet e Bondar) Viegas (Bacillus).
226. BITANCOURT, A. A. A antracnose da mangueira. Biológico 4:43-45, illus. Feb.1939. 442.8 B529
Caused by Colletotrichum gloeosporioides.
227. BITANCOURT, A. A. Antracnose do limoeiro galego. Biológico 5:52-54, illus. Mar.1939. 442.8 B529
Gleosporium limeticolum.
228. BITANCOURT, A. A. Antracnose (Elsinoe) das anonáceas. Biológico 6:199-200. July 1940. 442.8 B529
On Annona cherimolia.
229. BITANCOURT, A. A. A ascoquitose dos citrus. Biológico 5:94-95, illus. May 1939. 442.8 B529
Ascochyta citri.
230. BITANCOURT, A. A. Brazil: diseases of cultivated or useful plants, observed in the State of São Paulo. Internat. Plant Protect. 11:269 M-275 M; 12:49 M-53 M; 14:25 M-27 M. Dec.1937-Feb.1940. 464.8 In8
List of diseases studied in the Plant Pathology Laboratory of the Institute of Biology, São Paulo, 1931-38; hosts and parasites included.
231. BITANCOURT, A. A. Brazil: plant diseases observed in the State of São Paulo in 1939 and 1940. Internat. B. Plant Protect. 15:222 M-223 M. Dec.1941. 464.8 In8
232. BITANCOURT, A. A., and JENKINS, A. E. Ciclo evolutivo de "Elsinoe australis Bitancourt & Jenkins," agente da verrugosa da laranja doce. Inst. Biol., São Paulo. Arq. 10:129-146, illus. 1939. 442.9 Sa6
English summary.
Detailed life history study of Elsinoe australis in certain citrus regions of South America.
233. BITANCOURT, A. A. Considerações sobre a presença do nematoide Tylenchulus semipenetrans Cobb, em raízes de citros. Biológico 10:47. Feb.1944. 442.8 B529
234. BITANCOURT, A. A. El desenvolvimiento de la industria cítrica en el Brasil (Observaciones sobre los problemas de las enfermedades y plagas). 13 p. Type-written. [São Paulo, 1937?]. 93.33 B54
Also reprinted in Agricultura 34:19-27. Aug.1937. 9 Ag89
Citrus diseases, p. 6-10.
235. BITANCOURT, A. A. Diseases of the sugarcane in Brazil. Internat. Soc. Sugar Cane Technol. Cong. Proc. 6(1938):187-193, illus. 1939. 65.9 In84
236. BITANCOURT, A. A. Distribuição teórica de lesões em folhas ou frutas, causadas por insetos e outros animais ou por agentes infecciosos transmitidos por vetores. Inst. Biol., São Paulo Arq. 14:243-252. 1943. 442.9 Sa6
English summary.
237. BITANCOURT, A. A. A doença dos citros no vale do Paraíba. Biológico 6:268-269. Sept.1940. 442.8 B529
A new root disease of citrus in Brazil.
238. BITANCOURT, A. A. As doenças da caña de açúcar no Brasil. Biológico 6:137-143. June 1940. 442.8 B529
239. BITANCOURT, A. A. Doenças do abacateiro. Biológico 2:385-389, 419-425;3:3-10, illus. Nov.1936-Jan.1937. 442.8 B529
Description of mosaic, canker, and anthracnose diseases.
240. BITANCOURT, A. A., and JENKINS, A. E. "Elsinoe theae n. sp.," agente de verrugosa do chá. Inst. Biol., São Paulo Arq. 10:193-198, illus. 1939. 442.9 Sa6
English summary.
241. BITANCOURT, A. A. O falso exantema dos citros. Biológico 11:266-268, illus. Oct.1945. 442.8 B529
A physiological disease of citrus in the State of São Paulo, Brazil.
242. BITANCOURT, A. A. O feltro ou camurça dos citros. Biológico 3:271-272, illus. Sept.1937. 442.8 B529
Septobasidium albidum, causal organism.
243. BITANCOURT, A. A., and ROSETTI, V. As galhas pulverulentas das Lauraceae. Biológico 12:55-62, illus. Mar.1946. 442.8 B529
English summary.
Species of causal fungi observed in São Paulo, Brazil, include Drepanoconis larviformis, Clinocnidium farinosum and, Botryotomopsis spp.
244. BITANCOURT, A. A. Uma hipótese sobre a causa da "tristeza" dos citros. Biológico 9:360-361. Oct. 1943. 442.8 B529
245. BITANCOURT, A. A. A leprose dos citros. Biológico 6:39-45, illus. Feb.1940. 442.8 B529
246. BITANCOURT, A. A. A leprose e a proxima colheita de laranjas. Biológico 3:37-40, illus. Feb.1937. 442.8 B529
Control measures.
Also in Soc. Rur. Bras. Rev. 17(199):31, illus. Mar. 1937. 9.2 B733
247. BITANCOURT, A. A. Lesões nas frutas da mancha anular do cafeeiro. Biológico 5:33-34, illus. Feb.1939. 442.8 B529
Virus disease, with characteristics similar to those of spotted wilt.
248. BITANCOURT, A. A. Limbes atacados por antracnose. Biológico 7:361-362. Dec.1941. 442.8 B529
249. BITANCOURT, A. A. A mancha anular, uma nova doença do cafeeiro. Biológico 4:404-405. Dec.1938. 442.8 B529
250. BITANCOURT, A. A. A mancha d'agua e a podridão d'agua da laranja. Biológico 4:273-274, illus. Aug.1938. 442.8 B529
251. BITANCOURT, A. A. A mancha estylar da laranja doce e da laranja cravo. Biológico 2:242. July 1936. 442.8 B529
252. BITANCOURT, A. A., and JENKINS, A. E. New discoveries of Myriangiales in the Americas. Amer. Sci. Cong. Proc. 8(3):149-172, illus. 1942. 330.9 Am3008
Ten species of Elsinoe, five of which are described under the imperfect stage (Shacleoma).

253. BITANCOURT, A. A., and JENKINS, A. E. Novas espécies de Elninoe e Spacheloma sobre hospedes de importancia economica. *Inst. Biol.*, São Paulo. Arq. 11:45-58, illus. (col.). 1940(1941). 442.9 Sa6
English summary and Latin diagnoses of new species (*S. arachidis*, *S. zorniae*, *S. rhois*; *E. talisiae*, *E. pitangae*, *E. clethrae*, *E. jasmineae*).
254. BITANCOURT, A. A. Novas espécies de Spacheloma sobre Terminalia e Genipa. *Inst. Biol.*, São Paulo. Arq. 8:197-200, illus. 1937. 442.9 Sa6
English abstract.
- Spacheloma terminaliae n. sp. causes scab of Terminalia catappa L. and Spacheloma genipae n. sp. causes anthracnose of Genipa americana L. in Brazil.
255. BITANCOURT, A. A. A organização da defesa sanitária vegetal na República Argentina. *Biológico 3*: 289-297, illus. Oct.1937. 442.8 B529
256. BITANCOURT, A. A. Plant pathology in Brazil. In Verdoorn, F., ed. *Plants and plant science in Latin America*, p. 302-304. Waltham, Mass., *Chronica Botanica Co.*, 1945. 453 758
Also in *Chron. Bot.* 7:318-320, 1943. 450 C46
Research centers, plant diseases and agriculture, and plant quarantine.
257. BITANCOURT, A. A. A podridão das radículas dos Citrus na provincia de Corrientes, Argentina. *Biológico 6*:285-288,356-364;7:62-69, illus. Oct.1940-Mar. 1941. 442.8 B529
A general study of root rot including history, geographical distribution, symptoms, species of citrus affected, theories as to the cause, and treatment by inarching and grafting.
258. BITANCOURT, A. A. Podridão estilar em limas Tahiti. *Biológico 5*:180-181. Aug.1939. 442.8 B529
Colletotrichum gloeosporioides.
259. BITANCOURT, A. A. Podridões da castanha do Pará. *Biológico 7*:309-312, illus. Nov.1941. 442.8 B529
English summary.
Diseases of Bertholletia excelsa (Brazil nut); storage experiments.
260. BITANCOURT, A. A. As podridões das laranjas na safra de 1936. *Biológico 3*:255-263, illus. Sept.1937. 442.8 B529
English summary.
Mainly stem rot (chiefly due to Phomopsis citri) and blue and green mold.
261. BITANCOURT, A. A. Problemas do Instituto Biológico. *Biologia vegetal*. I-II. *Biológico 6*:237-244, 322-331. Sept.-Nov.1940. 442.9 B529
Includes plant diseases, with publication for 1937.
262. BITANCOURT, A. A. "Pyrenochaeta sacchari n. sp." e uma mancha da folha da cana de açúcar. *Inst. Biol.*, São Paulo. Arq. 9:299-302, illus. 1938. 442.9 Sa6
English summary.
An account of the characteristics of leaf spot disease of sugarcane found at Cantareira, Brazil.
- Also in *Soc. Bras. Agron. Rev.* 2:91-96, illus. Sept.1939. 9.2 S013
263. BITANCOURT, A. A. Recomendações para combater e minorar os estragos da "podridão das radículas" dos citros. *Biológico 9*:41-44. Feb.1943. 442.8 B529
Cause of the disease uncertain; control by grafting on less susceptible rootstocks recommended.
264. BITANCOURT, A. A. Relação das doenças e fungos parasitos observados na secção de phytopathologia durante os annos 1935 e 1936. *Inst. Biol.*, São Paulo. Arq. 8:315-322. 1937. 442.9 Sa6
265. BITANCOURT, A. A. A rubellose. *Biológico 4*: 17-18, illus. Jan.1938. 442.8 B529
Pink disease of citrus produced by Corticum salmonicolor.
266. BITANCOURT, A. A., and JENKINS, A. E. Sweet orange fruit scab caused by Elninoe australis. *J. Agr. Res.* 54:1-18, illus. (col.). Jan.1937. 1 Ag84J
Detailed study of this disease which as yet is to be found only in South America.
267. BITANCOURT, A. A. Um teste para a identificação precoce da tristeza dos Citrus. *Biológico 10*:169-175. June 1944. 442.8 B529
English summary.
268. BITANCOURT, A. A. O tratamento da leprose dos Citrus. *Biológico 7*:149-152. June 1941. 442.8 B529
269. BITANCOURT, A. A., and JENKINS, A. E. Treze novas espécies de Elninoe do Brasil. *Inst. Biol.*, São Paulo. Arq. 12:1-20, illus. (pt.col.). Sept.1941. 442.9 Sa6
English summary
Discovered between 1936 and 1939.
270. BITANCOURT, A. A., and JENKINS, A. E. A verugosa da mangueira. *Inst. Biol.*, São Paulo. Arq. 17:205-227, illus. 1946. 442.9 Sa6
English summary.
271. BITTENCOURT, P. V. C. Considerações sobre a presença do nematoide Tylenchulus semipenetrans Cobb. em raízes de Citrus. *Biológico 10*:47, Feb.1944. 442.8 B529
Investigation shows no relation with tristeza disease of Citrus.
272. BLACKFORD, F. W. Black rot and black leg of cabbage and cauliflower. *Queensland Agr. J.* 59:287-289; 63:151-153, illus. Nov.1944-Sept.1946. 23 Q33
Pseudomonas campestris and Phoma lingam.
273. BLACKFORD, F. W. Citrus fruit rots and blemishes. *Queensland Agr. J.* 58:33-38, illus. Jan.1944. 23 Q33
Discusses the following diseases: blight mould, brown rot and stem-end rot, sooty mould, smoky blotch or fly speck, oil spot, rind break down, and styler-end rot of looses.
Reprinted as part of Queensland Dept. Agr. & Stock. Div. Plant Indus. (Res.) Pam. 90, 24 p., illus. Apr.8,1944. 423.92 Q3P
274. BLACKFORD, F. W. Damping-off. *Queensland Agr. J.* 60:89-90. Feb.1,1945. 23 Q33
Control measures.
275. BLACKFORD, F. W. Downy mildew and powdery mildew of the cucumber. *Queensland Agr. J.* 57:164-165, illus. Sept.1943. 23 Q33
Control measures.
276. BLACKFORD, F. W. Downy mildew and Septoria leaf spot of lettuce. *Queensland Agr. J.* 59:221-223, illus. Oct.1944. 23 Q33
Also issued as Queensland Div. Plant Indus. (Res.) Adv. L. 71,3 p., illus. Nov.3,1944. 423.92 Q3A
277. BLACKFORD, F. W. Five minor fungus and virus diseases of citrus. *Queensland Agr. J.* 58:95-99, illus. Feb.1944. 23 Q33
Collar rot, Armillaria root rot, Ganoderma root rot, psoriasis, and pink disease.
278. BLACKFORD, F. W. Four major diseases of citrus. *Queensland Agr. J.* 57:353-358, illus. Dec.1943. 23 Q33
Black spot, melanose, scab, and brown spot.
279. BLACKFORD, F. W. A Ganoderma root rot of citrus. *Queensland Dept. Agr. & Stock B. (n.s.)* 22:19-23, illus. Dec.1944. 423.92 Q3B
Also in *Queensland J. Agr. Sci.* 1:77-81, illus. Dec. 1944. 23 Q37
Fungus identified as Ganoderma lucidum.
280. BLACKFORD, F. W. Sclerotinia or cottony rot. *Queensland Agr. J.* 59:161-163, illus. Sept.1944. 23 Q33
Attacking various vegetables and sunflower in Queensland.
- Also issued as Queensland Div. Plant Indus. (Res.) Adv. L. 70,3 p., illus. Sept.26,1944. 423.92 Q3A
281. BLACKFORD, F. W. Spraying recommendations for the control of citrus diseases. *Queensland Agr. J.* 50: 248-249. Aug.1938. 23 Q33
Instructions for spraying black spot, melanose, scab, and brown spot on the Emperor of Canton mandarin under Queensland conditions.
282. BLACKFORD, F. W. Whitplait of cauliflowers and cabbages. *Queensland Agr. J.* 57:35-36, illus. July 1943. 23 Q33
A physiological disease.
- Also reprinted as Queensland Dept. Agr. & Stock. Div. Plant Indus. (Res.) Adv. L. 54,2 p., illus. Sept.9,1943. 423.92 Q3A
283. BLAND, D. E. A study of the toxicity of Australian vertical retort creosote oils to Lentinus lepideus Fr., Polystictus versicolor (L.) Fr., and Madison 517. *Austral. Council Sci. & Indus. Res. J.* 15:135-146. May 1942. 514 Au72J
Fungi used in toxicity tests; experiments in wood preservation.
284. BOEDIJN, K. B. The fungi collected by Dr. O. Jaeg, in Alor, Bali, and Flores (Lesser Sunda Islands). *Buitenzorg Jard. Bot. B.* (ser.3)16:245-252, illus. Feb. 1940. 451 B86B
A list of fungi - the first to be reported from these islands. Most of the forms belong to species commonly found in the eastern tropics.
285. BOEDIJN, K. B. The Mycetozoa, fungi and lichens of the Krakatau group. *Buitenzorg Jard. Bot. B.* (ser.3)16:358-429, illus. Dec.1940. 451 B86B
List of fungi, p. 365-418.

286. BOEDIJN, K. B. A smut causing galls on the leaves of Hypolytrum. Buitenzorg Jard. Bot. B. (ser.3) 14:369-372, illus. Dec.1937. 451 B86B
- Cintractiella nov. gen., C. lamii.
287. BOLLE, P. C. Een chytride als mogelijke veroraker van vierde ziekte. Arch. v. Suikerindus. Nederland. Indis 1:243-244. Sept.1940. 65.8 Ar21
288. BOMBAY DEPT. OF AGRICULTURE. Annual report, 1945/46. Poona, 1947. 50 p. 22 B63A
- Crop protection: research work [on crop diseases] p. 18-20. Research schemes for investigations on wheat rust, citrus dieback, and small-leaf disease of cotton. Brief notes on diseases of Lathyrus sativus, arecanut palm, tur and gram.
- Many of the earlier reports, by B. N. Uppal, plant pathologist, are more complete, reporting variously on diseases of sann hemp, mango, figs, rice, soybeans, tobacco, ginger, bananas, soybeans, betelnuts, and Lathyrus sativus.
289. BOND, T. E. T. Deficiency diseases and the role of the "minor elements" in plant life. Ceylon Tea Res. Inst. Tea Q. 16:9-15. Mar.1943. 68.18 C33
- Particularly in regard to tea.
290. BOND, T. E. T. A leaf spot disease of annual phlox. Trop. Agr. [Ceylon] 96:142-146, illus. Mar.1941. 26 T751
- Septoria drummondii provisionally adopted.
291. BOND, T. E. T. Leaf spot diseases of lettuce and antirrhinum. Trop. Agr. [Ceylon] 97:62-67, illus. Aug.1941. 26 T751
- 1, Leaf spot of lettuce, Septoria lactucae Pass. 2, Leaf spot of antirrhinum, Phyllotictia antirrhini Syd.
292. BOND, T. E. T. Notes on Ceylon fungi and plant diseases. I. Ceylon J. Sci. Sect. A. Bot. 12:171-193, illus. July 30, 1947. 451 P41
293. BOND, T. E. T. The "phloem necrosis" virus disease of tea in Ceylon. I-III. Ann. Appl. Biol. 31:40-47, 300-310; 34:517-526, illus. Mar. 1944-46. 1947. 442.8 An72
- I, Introductory account, symptoms, and transmission by grafting; II, Field observations and effect on yield; III, Further characterization of necrosis in the leaf.
294. BOND, T. E. T. Plant viruses and virus diseases. Ceylon Tea Res. Inst. Tea Q. 17:12-17. July 1944. 68.18 C33
- Virus diseases of tea: their character, manner of spreading, prevention and control.
295. BOND, T. E. T. Pod spot of okra (Hibiscus esculentus L.) and a leaf spot of (Hibiscus rosasinensis L.) in Ceylon. Trop. Agr. [Trinidad] 20:67-70, Aug. 1943. 26 T754
- Caused by Ascochyta abelmoschii and Ascochyta sp. "which is in all probability the same fungus but which appears to differ somewhat in the dimensions of its spores and pycnidia."
296. BOND, T. E. T. "White spot" [Cercospora brassicae] of turnips; a disease new to Ceylon. Trop. Agr. [Ceylon] 96(4):17-18, illus. Oct./Dec. 1942. 26 T751
297. BONDAR, G. Fatores adversos e molestias do cacau na Bahia. Bahia Inst. de Cacau B. 2,94 p., illus. 1938. 68.38 B14B
- Fungos parasitas de cacau, p. 73-85.
298. BONDAR, G. Fatores diversos e molestias não parasitárias do cacau. Campo [Rio de Janeiro] 9(106):22-24, illus. Oct. 1938. 9.2 C15
299. BONDAR, G. Insetos nocivos e molestias do coqueiro (Cocos nucifera) no Brasil. Bahia Inst. Cent. de Fomento Econ. B. 8,160 p., illus. 1940. 9.2 B143
- Molestias criptogâmicas, p. 133-139.
300. BONDAR, G. Nova e grave ameaça aos coqueiros brasileiros. Campo [Rio de Janeiro] 16(182):71-72; (183):15-18, illus. Feb.-Mar. 1945. 9.2 C15
- Red ring disease caused by Aphelenchus cocophilus.
301. BONDAR, G. A phytopathologia e a cultura da caçaieira no Brasil. Rodriguezia 2 (numero especial):197-198. 1936 [1937]. 442.8 R61
- Principal disease of the cacao tree is a rot caused by Phytophthora faberi.
302. BONDAR, G. Podridão pardá dos frutos do cacau. Campo [Rio de Janeiro] 17:29-33, illus. Mar. 1946. 9.2 C15
- Caused by Phytophthora palmivora.
- Also in Bahia Rur. 18:18-19,34, illus. Aug. 1948. 9.2 B142
303. BOOCK, O. J. O fumigante "Dowfume W-10" no controle aos nematóides da batatinha. Rev. de Agr. [Piracicaba] 24:25-42. Jan./Feb. 1949. 9.2 R324
- English summary.
- A soil fumigation study.
304. BORDEN, R. J. Juice quality affected by lodging. Hawaii. Plant Rec. 46:39-42, illus. 1942. 25 H311
305. BORGET, M. Nouvelles recherches sur les champignons parasites de l'Hévéa en Indochine. Rev. Internat. de Bot. Appl. et d'Agr. Trop. 29:117-123. Mar./Apr. 1949. 26 R323
- Culture experiments with fungous parasites: Corticium salmomolitor, Phytophthora palmivora, Gloeosporium albo-rubrum, and Fomes laomaensis.
306. BORGET, M. Toxicité de cinq nouveaux fongicides pour quelques espèces de champignons hévéicoles; essais au laboratoire. Inst. de Rech. sur le Caoutchouc en Indochine. Cahiers I. R. C. I. 4:1-13. 1949. 79 In7
307. BOSE, A. B. Alternaria on leaves of sunflower in India. Indian Bot. Soc. J. 21:179-184, illus. May 1942. 450 J821
- Leaf spot disease attributed to A. tenuis reported from India for the first time.
308. BOTELHO, J. Mosaico. Bras. Açucareiro 26: 200-203. Aug. 1945. 65.8 B73
- Mosaic disease of sugarcane.
309. BOUGHEY, A. S. The cause of variation in the incidence of blackarm disease of cotton in the Sudan Gezira. Imp. Mycol. Inst. Mycol. Papers 21, 7 p. Sept. 24, 1947. 451 Im73M
- Caused by Xanthomonas malvacearum.
310. BOUGHEY, A. S. The causes of variation in the incidence of cotton leaf curl in the Sudan Gezira. Imp. Mycol. Inst. Mycol. Papers 22,9 p. Sept. 24, 1947. 451 Im73M
- A possible relationship to the amount of rainfall.
311. BOUGHEY, A. S. The effect of rainfall on plant disease distribution in the Anglo-Egyptian Sudan. Imp. Mycol. Inst. Mycol. Papers 19,13 p. May 7, 1947. 451 Im73M
312. BOUGHEY, A. S. Physiological cotton wilt in the Sudan Gezira. Ann. Appl. Biol. 31:12-18, illus. Mar. 1944. 442.8 An72
- Root investigations to determine cause of wilt.
313. BOUGHEY, A. S. A preliminary list of plant diseases in the Anglo-Egyptian Sudan. Imp. Mycol. Inst. Mycol. Papers 14,16 p. 1946. 451 Im73M
- An alphabetical arrangement of common names of hosts with common names of diseases. Includes also scientific names of hosts and diseases.
314. BOURIQUET, G. Contribution à l'étude des alterations de la vanille préparées a Madagascar. Agron. Trop. 1:244-260. May/June 1946. 26 Ag86
- Fungus diseases and insect pests.
315. BOURIQUET, G. Une grave maladie de l'arachide à Madagascar la rosette. B. Econ. Madagascar (n.s.):11: 269-272. 1937. 270 M26B
316. BOURIQUET, G. Madagascar: list of the parasites and diseases of cultivated plants. Internat. B. Plant Protect. 11:66 M-68 M; 12:191 M-192 M. Apr. 1937-Sept. 1938. 464.8 In8
- This list continues those published in 1932, and 1934. Includes diseases of coffee, grape, mango, vanilla, sisal hemp, rice, tobacco, French bean, and potato.
317. BOURIQUET, G. Madagascar: phytopathological and entomological notes. Internat. Rev. Agr. 28:118 M-119 M. 1937. 241 In82
- Notes on coffee and cassava diseases.
318. BOURIQUET, G. Les maladies cryptogamiques et les principaux ennemis végétaux et animaux du riz à Madagascar. Agron. Trop. 4:61-89. Jan./Feb. 1949. 26 Ag86
- Maladies cryptogamiques, p. 81-83.
319. BOURIQUET, G. Les maladies de la canne a sucre à Madagascar. Agron. Colon. 27:1-17. July 1938. 26 Ag812
- Includes mosaic disease, leaf scald, smut, and red rot. Also in J. des Fabric. de Sucre 80:256,288-289,336-337, 638-640. 1939. 65.8 J82
320. BOURIQUET, G. Les maladies des plantes cultivées à Madagascar. 545 p., illus. (col.). Paris, Lechevalier, 1946, i.e. 1947. (Encyc. Mycol., v.12) 464 B662
321. BOURIQUET, G. Les maladies du haricot à Madagascar. Acad. Malgache B. (n.s.) 19(1936):123-127, illus. 1937. (U. S. Geol. Survey Libr.)
- Rouille, Cercospora sp., anthracnose, grasse, pourridie.
322. BOURIQUET, G. Les maladies et les ennemis du caféier. Marchée Colon. 3:1897-1900. Dec. 27, 1947. 286.8 M33
- In the French colonies of Africa.

323. BOURIQUET, G. Note concernant les maladies des plantes cultivées à la Réunion. Rev. Agr. de l'île Réunion 43:33-44. Mar./Apr. 1938. 25 p. 32

Includes diseases of manioc, coffee, dates, corn, peanuts, tobacco, tomatoes, rose geraniums, roses, and dahlias.

Liste des publications du laboratoire de Phytopathologie de Tananarive, p. 38-42; Liste des tirages à part déposés au Secrétariat Général du gouvernement de la Réunion, p. 42-44.

324. BOURIQUET, G. Recherches systématiques, biologiques et cytologiques, sur les maladies des plantes cultivées à Madagascar. 136 p., illus. (col.). Paris, P. Lechevalier, 1939. (Libr. Cong.)

Thesis - University of Paris.

Contents: Ch. 1, Madagascar, sa géologie, son relief, ses climats, sa végétation, ses sols, ses cultures; Ch. 2, Vue d'ensemble sur les maladies des plantes cultivées à Madagascar; Ch. 3, Anthracnose du géranium rosat; Ch. 4, Rouille de l'Aubergine; Ch. 5, Quatre maladies cryptogamiques du Voandzeia subterranea; Ch. 6, Chancre des rameaux du cacao; Ch. 7, La rouille du caféier. Un Verticillium parasite de l'Hémileia vastatrix; Ch. 8, Quelques observations sur deux maladies à ultravirus du tabac, le Kroepoek et le Crinkling; Ch. 9, Mosaïque et maladie bactérienne du manioc; Ch. 10, Index alphabétique des parasites et maladies observés à Madagascar et à la Réunion.

Conclusions générales, and Bibliographie concernant le chapitre 2.

325. BOURIQUET, G. Réunion Island: a list of parasites and diseases of cultivated plants. Internat. B. Plant Protect. 12:146 M-147 M. July 1938. 464, 8 ill.

Continued from "Réunion: plant parasites newly recorded in the Island," Internat. B. Plant Protect. 7:123. June 1933.

Includes diseases of cassava, coffee, grapevine, apple, peach, date palm, maize, groundnut, beans, tobacco, and tomato.

326. BOWMAN, G. F. Podredumbre negra del cacao. Hacienda 43(9):48-49, illus. Sept. 1948. 6 H11

Results of experiments to control canker, conducted in Costa Rica, 1946-48.

327. BOWMAN, G. F. A podridão negra do cacau. Fazenda 43:46, 48, illus. Oct. 1948. 6 H11P

Disease of cacao on the coasts of Costa Rica and Panama caused by Phytophthora palmivora.

328. BOYD, E. Insect transmission of the "swollen-shoot" virus in West African cacao. Nature [London] 155: 608-609. May 19, 1945. 472 N21

Preliminary account of experiments carried out at Tafo, Gold Coast Colony, 1943-44 showing the mealy-bugs (Ferrissiana virgata, Pseudococcus extitibilis) to be vectors of this disease.

329. BOYD, J. H. How to control tomato blight.

Hawaii. U. Agr. Ex. C. 48, rev. 2, p. 1945. 275, 29 H312AC

330. BOZA BARDUCCI, T. Posibilidades prácticas de la selección en masa de plantas libres de roya para la producción de semilla de lino apta para los sembríos de la Costa. Peru. Dir. Gen. de Agr. B. 16:221-228. 1943. 9.8 P43B

Combating rust on flax caused by the fungus Melampsora lini; result of a study at Agricultural Experiment Station, Department of Plant Genetics, La Molina, Peru, 1941-43.

331. BOZA BARDUCCI, T., and GARCIA RADA, G. El Verticillium-wilt del algodónero. Lima, Peru. Estac. Expt. Agr. de La Molina B. 23, 46 p., illus. Oct. 1942. 102.5 L622B

332. BRAIN, C. K. A witchweed on tobacco roots. Rhodesia Agr. J. 35:345-346, illus. May 1938. 24 R34

Roots of the tobacco plant severely parasitized by Striga orobanchoides.

Reprinted as South Rhodesia Dept. Agr. & Lands B. 1070, 2 p., illus. May 1938. 24 R345

333. BRANDES, E. W. Un caso complejo de enfermedad de la caña de azúcar en la Provincia de Oriente. Asoc. de Téc. Azucareros Cuba. B. Ofic. 8:281-283. Oct. 1949. 65.9 AS5B

334. BRAVO E., A. Enfermedades de las plantas de Sud Yungas. GEO. Agr., Colon. y Ramas Anex. 4(15):3, illus. 1938. 9.1 C712

Includes brief descriptions of citrus diseases induced by parasitic fungi, or by insects in Bolivia.

335. BRIANT, A. K., and JOHNS, R. Cassava investigations in Zanzibar. East African Agr. J. 5:404-412. May 1940. 24 Ea74

Mosaic diseases, p. 406-411.

336. BRIEGER, F. G., LIMA, A. R., and FORSTER, R. Comportamento de variedades e progenies de fumo na resistência ao "vira-cabeça." Bragantia 2:275-294. Aug. 1942. 102.5 B73Tb

English summary.

Experiment at the Institute of Agronomy, Campinas, São Paulo, Brazil.

337. BRIEGER, F. G., and others. Ensaio de épocas de transplante para o fumo. Bragantia 2:295-310. Aug. 1942. 102.5 B73Tb

A. Rodrigues Lima, Reinaldo Forster, A. S. Costa, S. Ribeiro dos Santos, joint authors.

English summary.

Study of transplanting tobacco in connection with research on spotted wilt disease in the State of São Paulo, Brazil.

338. BRIEGER, F. G., and FORSTER, R. Tumores em certos híbridos do gênero nicotiana. Bragantia 2:259-274, illus. July 1942. 102.5 B73Tb

English summary.

Observations on abnormalities in the interspecific hybrids, Nicotiana glauca x N. langsdorffii and N. glauca x N. sanderae, in the State of São Paulo, Brazil.

339. BRITISH GUIANA. DEPT. OF AGRICULTURE.

Annual report (Dispositional) for the year 1946. Georgetown, 1947. 49 p. 9.6 B774D

Plant pathology report not included.

Annual reports for the years 1939-45 are not available.

Earlier reports contain "Report on the Botanical and Pathological Division," by E. B. Martin, treating with diseases of sugarcane, rice, coffee, citrus, cacao, tomatoes, peanuts, and bananas.

340. BRITISH WEST INDIES SUGAR ASSOCIATION. The incidence of mosaic disease. Brit. West Indies Sugar Assoc. Proc. Mtg. Sugar Technol. (1945):59-61. 65.9 B775

Informal discussion led by R. E. D. Baker.

Mosaic disease on sugarcane.

341. BRITON-JONES, H. R. The diseases of the coconut palm. London, Baillière, Tindall and Cox, 1940. 176 p., illus. 464.09 B77D1

A general handbook of coconut palm diseases in the British West Indies.

342. BROEN, M. Causas que provocan el "degeneramiento" de los bulbos que interesan a los floricultores. Suelo Argentino 4:236-237, 269. Apr. 1945. 9 Su2

343. BROWN blast of rubber tree. Rubber Res. Inst. Malaya 2:2. Feb. 1939. 78.9 B824C

344. BRÜCHER ENCINA, G. Gomosis de los citrus. Campesino [Santiago, Chile] 78(5):17, illus. May 1946. 9.3 So12

Phytophthora sp.

345. BRÜCHER ENCINA, G. Pudrición parda de los citrus. Campesino [Santiago] 78(3):13-14. Mar. 1946. 9.3 So12

In Chile.

Caused by Phytophthora.

346. BRUNER, S. C. Algunos hongos de la caña de azúcar y sus productos. Asoc. de Téc. Azucareros Cuba B. Ofic. 1(10):143-145. Dec. 1942. 65.9 AS5B

A list of disease producing fungi.

347. BRUNER, S. C. The diseases of sugar cane. Asoc. de Téc. Azucareros Cuba, Proc. 14(1940):69-104, illus. [1941]. 65.9 AS5

Review of sugarcane diseases in Cuba: mosaic, eyespot, ring spot, brown stripe, brown spot, target blotch, pokkah-boeng, rind disease, root disease, red stripe disease, and miscellaneous affections.

Spanish translation in Asoc. de Téc. Azucareros Cuba, B. Ofic. v.1-2. May 1942-June 1943. 65.9 AS5B

348. BRUNER, S. C., ARANGO, R., and ACUERO, R. La enfermedad antracnosis de los mangos. Rev. de Agr. Cuba 21(5/6):72-77, illus. May/June 1938. 8 Ag88Re

349. BRUNER, S. C. La enfermedad de Panamá del plátano. Fomento 1(7):27-28, 30; (8):23-24, 26, illus. May-June 1944. 8 F734

Wilt disease.

350. BRUNER, S. C. La enfermedad pudrición del cogollo del cocotero. Cuba Agr. 4(12):12-16, illus. Dec. 1937. 8 C894

Phytophthora palmivora.

351. BRUNER, S. C. Sobre el daño que ocasiona el "Mosaico" a la caña de azúcar. Rev. de Agr. y Com. [Panama] 3(28):49-55. Dec. 1943. 8 C8291

Experimental work on mosaic disease of sugarcane in Cuba.

352. BURGUES, S. A. Identificación de los carbones volátiles de la cebada. Uruguay U., Facul. de Agron. Rev. 31:111-117, illus. Feb.1943. 102.5 M76R
- Ustilago nuda and U. hordei.
353. BURKART, A. El nemátodo del tallo ("Anguil-lulina dipsaci") en alfalfares de la provincia de Salta. Rev. Argentina de Agron. 10:190. June 1943. 9 R327
354. BURKART, A. La selección de alfalfa inmune al nemátodo del tallo (Anguilina dipsaci). Rev. Argentina de Agron. 4:171-196, illus.(map). Sept.1937. 9 R327
- German summary.
355. BURMA. DEPT. OF AGRICULTURE. Report, 1939/40. Rangoon, 1940. 273 p. 22 B92Re
- Report of the mycologist, by L. N. Seth, p. 57-65. On diseases of rice, sesamum, groundnuts, onion, soybean, and coffee. Earlier reports, by M. T. Su, plant pathologist deal also with diseases of sugarcane, betelnut, mangosteen, cotton, tobacco, orange, lime, wheat, grape, sann hemp, and gram.
- Later reports are not available.
356. BURNS, W. Breeding for disease resistance in agricultural plants. Sci. & Cult. 2:619-621. June 1937. 475 Sc124
- Wilt resistant varieties of cotton and flax, and rust-resistant varieties of wheat in India.
357. BURNS, W. The progress of agricultural science in India during the past twenty-five years. Calcutta, Indian Sci. Cong. Assoc. 1938. 34.2 B93
- Reprinted from Progress of Science in India during the past 25 years.
- Plant diseases due to fungi, p. 146-151.
358. BUY WENNIGE, W. F. M. De. Meeldauwestuiving met cirrus zwavel versus zwavelmodder. Bergcultures 11:462-463. Apr.3,1937. 22.5 B45
359. C., R. Tres enfermedades del poroto que se transmiten con la semilla. Rev. Mens. B. A. P. 27(321): 41,43,45, illus. Aug.1944. 9 R326
- Mosaic, bacterial blight, and wilt.
360. CABRERA, D. Dos enfermedades fungosas que atacan a los plantas de algodón en los meses de junio y julio. Agr. Lagunero 2(14):11. June 1947. 8 Ag24
- Phymatotricon omnivorum and Fusarium vasinfectum. In the Lagoon region of Mexico.
361. CADBURY, J. History of the swollen shoot disease on cocoa up to 1949. In Cocoa, Chocolate & Confectionery Alliance. Report of the Cocoa Conference, 1949, p.34-39. London, 1949. 68.39 In82
- Gold Coast.
362. CADENA, F. Trata de la desinfección de la semilla. Vida Rur. 6(63):24. Oct.1944. 9.4 V66
363. CALINISAN, M. R. A comprehensive study of symptoms of abaca mosaic. Philippine J. Agr. 10:121-130, illus. 1939. 25 P543
- In the Province of Davao, Philippine Islands.
- Also in Sugar Cane Planter 4(12):13-15. June 1940. 65.8 Su92
364. CALINISAN, M. R. The occurrence of cabbage yellows at the Suarez commercial cabbage station in Dau, Angeles, Pampanga. Agr. & Indus. Mon. 5(4):26, illus. Jan.1938. 25 Ag82
- In the Philippine Islands.
- Caused by Fusarium conglutinans.
365. CALINISAN, M. R. The three destructive diseases of abaca in Davao (bunchy-top, mosaic, and the vascular disease) and their control. Philippine J. Agr. 9:329-333, illus. 1938. 25 P543
366. CALINISAN, M. R. Transmission experiment of abaca mosaic. Philippine J. Agr. 9:309-313, illus. 1938. 25 P543
- Progress report No. 1. Experiments at the Plant Pathology Laboratory, Bureau of Plant Industry, Manila, Philippine Islands.
367. CALINISAN, M. R. Vascular disease of abaca (Manila hemp) in Davao. Philippine J. Agr. 9:153-160, illus. 1938. 25 P543
- Progress report No. 1. Disease thought to be due to a fungus similar to Fusarium oxysporum, bacteria, and a stem weevil (Odolporus paganus).
368. CALINISAN, M. R., and HERNANDEZ, C. C. Studies on the control of abaca bunchy-top with reference to varietal resistance. Philippine J. Agr. 7:393-408, illus. 1936(1937). 25 P543
- Experimental work at Silang Experiment Station, Cavite Province, Philippine Islands in an attempt to reestablish the abaca plantations in this province which were destroyed by bunchy top.
369. CALMA, V. C. Studies on the deterioration of burned sugar cane. Philippine Agr. 23:660-671. Jan. 1941. 25 P542
370. CAMARGO, R. DE. Combate à podridão das raízes do café. Chacaras e Quintais 78:352. Sept.15, 1948. 9.2 C34
371. CAMERO ZAMORA, J. El mosaico de la caña de azúcar. Agr. Venezol. 4(45/46):15-18, illus. Jan./Feb. 1940. 9.95 Ag8
372. CAMERON, D. S. Blister blight in relation to planting and supplying tea. Ceylon Tea Res. Inst. Tea Q. 19:92-95. Dec.1947. 68.18 C33
373. CAMINHA FILHO, A. A cana de açúcar na Bahia. Bahia Inst. Cent. de Fomento Econ. B. 15,119 p., illus. (col.). 1944. 9.2 B143
- Includes accounts of diseases: mosaic, sereh, red stripe, chlorosis, and leaf spot.
374. CAMINHA FILHO, A. O carvão da cana de açúcar. Bras. Açucareiro 23:262-264, illus. Mar.1944. 65.8 B73
- Caused by the fungus Ustilago scitaminea.
375. CAMINHA FILHO, A. O carvão da cana de açúcar (Ustilago scitaminea (Rab) Syd.). Bras. Açucareiro 32:349-351. Sept./Oct.1948. 65.8 B73
376. CAMINHA FILHO, A. Correlação entre o grau de infecção do mosaico da cana de açúcar e o esforço de adaptação de uma variedade ao meio ambiente. Bras. Açucareiro 11(6):30-33, illus. Aug.1938. 65.8 B73
377. CAMINHA FILHO, A. Doenças da canna de as-sucar no Brasil. Rodriguesia 2(No. especial):191-196. 1936[1937]. 442.8 R61
- A description of the eight major diseases of sugarcane: mosaic, sereh, leaf-scald, streak, downy mildew, gummosis, and smut.
378. CAMINHA FILHO, A. A enfermidade do mosaico na Bafa. Bras. Açucareiro 21:583-587, illus. June 1943. 65.8 B73
- Mosaic of sugarcane.
379. CAMINHA FILHO, A. A molestia das listas vermelhas. Bras. Açucareiro 20:507-509, illus. Nov.1942. 65.8 B73
- Phytophthora rubriligneans and P. rubrisubulcans, organisms associated with the disease as it occurs in Brazil.
380. CAMINHA FILHO, A. Ha mosaico em Sergipe. Bras. Açucareiro 16:398-399. Nov.1940. 65.8 B73
381. CAMP, A. F. La podredumbre de las raicillas. Corp. Frutícola Argentina Rev. Ofic. 9(98):7-21. Feb.28, 1943. 83 C8
- Report on his trip to Argentina to study root rot of Citrus.
382. CAMP, A. F. The status of sour orange stock in South American areas. Citrus Indus. 26(11):5-7,9,16,20-21. Nov.1945. 80 C49
- Observations on the tristeza disease of orange.
383. CAMP, A. F. The tristeza disease of citrus in Argentina. Fla. State Hort. Soc. Proc. (1948)61:15-19. 1949. 81 F66
- Tristeza of orange.
384. CAMP, A. F. Una visita al Brasil y la Isla de Trinidad. Corp. Frutícola Argentina Rev. Ofic. 9(100):5-8. Apr.30,1943. 83 C81
- Study of citrus root rot in Brazil.
385. CAMPACCI, C. A. A podridão branca [Sclerotium cepivorum] do alho e da cebola. Biológico 12:279-281, illus. Dec.1946. 442.8 B529
386. CAMPACCI, C. A. A podridão mole do abacaxi. Biológico 12:70-71. Mar.1946. 442.8 B529
- Thielaviopsis paradoxa.
387. CAMP, M. D. "Botrytis tulipae," parásito del tulipán en la República Argentina. Rev. Argentina de Agr. 8:16-18, illus. Mar.1941. 9 R327
388. CAMP, M. D. Ensayo comparativo de la eficacia de tres fungicidas sobre la enfermedad del clavel producida por Heterosporium echinulatum (Berk.) Cke. Argentina. Inst. de Sanid. Veg. [P.] (ser.A)2(11),12 p. 1946. 464.9 Ar323
- Control of ring spot.
389. CAMP, M. D. "Helminthosporium turcicum" Parol. en la República Argentina. Lilloa 4:5-32, illus. 1939. 450 L62
- English summary.
- A common fungus on corn in Argentina.
390. CAMP, M. D. Heterosporium echinulatum (Berk.) Cke., nuevo parásito del clavel Dianthus caryophyllus en la República Argentina. Lilloa 8:269-271, illus. 1942. 450 L62
- A fungus injurious to carnations grown under glass.

391. CAMPI, M. D. El marchitamiento de la acacia de Constantiopia (Albizia julibrissin) y su relación con la presencia de *Fusarium oxysporum* Schl. F. perniciusum (Hepting) Snyder. Lilloa 9:457-460, illus. Dec.24, 1943. 450 L62
- In Argentina.
392. CAMPOS, A. R. Moléstias da cana de açúcar em Pernambuco. Pernambuco, Sec. de Agr., Indús. e Com. B: 8:169-174, illus. Nov.1941. 9.2 P423
1. "Mal das raízes;" 2. *Leptosphaeria sacchari*; 3. "Podridão do colmo" - *Thielaviopsis paradoxa*; 4. "Fumagina" da cana de açúcar - *Fumago sacchari*; 5. "Podridão vermelha" - red-rot - *Colletotrichum falcatum*; 6. *Trichosphaeria sacchari*.
- Also in Bras. Acucareiro 19:182-185, illus. Feb.1942. 65.8 B73
393. CAMPOS, A. R. Moléstias da mamoneira no estado de Pernambuco. Pernambuco, Sec. de Agr., Indús. e Com. B: 9:55-59, illus. Feb.1942. 9.2 P423
- Fusarium orthoceras* on the castor oil plant in Brazil.
394. CAMPOS, A. R., and PICKEL, B. Observações sobre as doenças e agentes patogênicos das plantas em Pernambuco. Rev. de Agr. [Piracicaba] 20:19-38, Jan./Feb.1945. 9.2 R324
395. CANNON, R. C. Control of nematodes in tobacco seed-beds. Queensland Agr. J. 63:20-21. July 1946. 23 Q33
- The root knot nematode (*Heterodera marioni*).
396. CANUTO MARMO, J., and NEVES, C. A. DAS. Doenças de plantas encontradas no Estado de São Paulo. Rev. de Agr. [Piracicaba] 17:407-415. Dec.1942. 9.2 R324
- List of plants with their diseases.
397. CAPOOR, S. P., and VARMA, P. M. Enation mosaic of *Dolichos lablab* Linn., a new virus disease. Cur. Sci. 17:57-58, illus. Feb.1948. 475 Sc123
398. CAPOOR, S. P., and VARMA, P. M. A mosaic disease of *Carica papaya* L. in the Bombay Province. Cur. Sci. 17:265-266, illus. Sept. 1948. 475 Sc123
399. CAPOOR, S. P., and VARMA, P. M. A mosaic disease of *Datura alba* Nees. Cur. Sci. 17:151-152, illus. May 1948. 475 Sc123
400. CAPOOR, S. P., and VARMA, P. M. A mosaic disease of *Lagenaria vulgaris* Ser. in the Bombay Province. Cur. Sci. 17:274-275, illus. Sept.1948. 475 Sc123
401. CAPOOR, S. P., VARMA, P. M., and UPPAL, B. N. A mosaic disease of *Vigna catjang* Walp. Cur. Sci. 16:151. May 1947. 475 Sc123
- Note on a disease of the cowpea at the Agricultural College Farm, Poonia, India.
402. CAPOOR, S. P., and VARMA, P. M. Yellow mosaic of *Phaseolus lunatus* L. Cur. Sci. 17:152-153, illus. May 1948. 475 Sc123
- Results of experimental work at the College of Agriculture, Poonia, India.
403. CARACÁS, INSTITUTO NACIONAL DEL CAFÉ. Algunas observaciones prácticas acerca del cultivo y beneficio del café. Caracas, Coop. de Artes Gráficas, 1942. 181 p., illus. '68.2C17
- Enfermedades del café en Venezuela, p. 92-131, illus.
404. CÁRDENAS, M. Algunas enfermedades criptogámicas y entomológicas constatadas en Bolivia de 1942-1944. Rev. de Agr. [Cochabamba] 2(2):39-40. July 1944. 102.5 C64
405. CÁRDENAS, M. La "estalla de la coca." Rev. de Agr. [Cochabamba] 2:41-43. July 1944. 102.5 C64
- In Bolivia.
406. [CÁRDENAS], M. La Phytophthora infestans en Cochabamba. Rev. de Agr. [Cochabamba] 2(2):41. July 1944. 102.5 C64
- Late blight of potatoes.
407. CARDINI, A. F. Area de difusión del "carbon hediondo" o "caries" del trigo en las distintas zonas cerealistas del país. Ano agrícola 1937-38. Argentina. Min. de Agr. Almanaque 14:73-77, illus. 1939. 9 Ag874
408. CARDONA, S. H. Aplicación de los productos químicos para proteger la caficultura. Café de El Salvador 19:1299-1303. Mar. 1949. 68.25 C112
- The use of insecticides and fungicides in plant disease control.
409. CARDOSO, J. G. A. Contribuição para o estudo das ferrugens das plantas em Mocambique. Mocambique (9:35):29-67;(36):45-59;(36):51-58, illus.(col.). Sept. 1943. Oct./Dec. 1943. Apr./June 1944. 110 M71
410. CARDOSO, J. G. A. Da fitopatologia em Mocambique. Mocambique 11(44):129-148, illus.(col.). Oct./Dec.1945. 110 M71
411. CARDOSO, J. G. A. Mozambique: Fungi, bacteria and diseases of unknown origin observed in the colony. Internat. B. Plant Protect. 14:28M-29M. Feb. 1940. 464.8 In8
- List.
412. CARDOSO, J. G. A. Mozambique: Parasites of cultivated plants observed in the province of Sul do Save. Internat. B. Plant Protect. 12:74 M-76M. Apr.1938. 464.8 In8
413. CARETTE, E., and LEAL, A. R. Supuesta enfermedad de los mazones en Tunuyán, Mendoza (Prov.) Dir. de Indus. y Fomento Agr. B. Agr. 10(1/3):20-22. Jan./Mar.1942. 9 M52B
- Considered a physiological abnormality.
414. CARLOS, G. O. Algunas enfermedades y plagas que atacan al manzano en Antioquia. Colombia. U. Nac. Facult. Nac. de Agron. Rev. 7:443-494, illus. Dec.1947. 9.4 C717
415. CARNEIRO, J. G., and PICKEL, D. B. Catálogo das bacterias e dos fungos do caféiro. São Paulo, Brazil, 1940. 184 p. 464.09 C21
416. CARNEIRO, J. G. Nomenclatura phytopathológica e micológica brasileira. São Paulo, Dir. de Pub. Agr. B. de Agr. 38(1937):674-722. 1938. 9.2 Sa63
417. CARNEIRO, J. G. Nomenclatura phytopathológica e micológica no Brasil. Rodriguesia 2(numero especial):339-340. 1936[1937]. 442.8 R61
418. CARNEIRO, J. G. Podridão da raiz em *Ficus retusa*. Biológico 7:260. Sept.1941. 442.8 B529
- Rosellina sp.
419. CARNEIRO, J. G. A secca das pontas galhos do peregrineiro. Biológico 4:18-19. Jan.1938. 442.8 B529
- Note on dieback of peach caused by *Phoma persicae*.
420. CARPENTER, C. W. A chytrid in relation to chlorotic streak disease of sugar cane. Hawaii. Planters Rec. 44:19-33, illus. 1940. 25 H311
- Preliminary report on an intracellular parasite of sugarcane.
421. CARPENTER, C. W. *Fusarium* disease of the prickly pear. Hawaii. Planters Rec. 48(2):59-63, illus. 1944. 25 H311
- Fusarium oxysporum*.
422. CARPENTER, C. W., WELLER, D. M., and MARTIN, J. P. Studies with *Penicillium notatum* Westling in Hawaii. Hawaii. Planters Rec. 49:1-23. First Q. 1945. 25 H311
423. CARRERA, C. J. M. Un caso de verticilliosis aparecido y comprobado sobre ciruelo en la provincia de Buenos Aires. Cong. Fruticola San Juan, Trab. (1936):334-341, illus. 1939. 93.09 G7623
- Verticillium albo-atrum, causal agent.
424. CARRERA, C. Enfermedades mas comunes del trigo en la Republica Argentina. Granos 10:13-20. July 1938. 9 G762
- Includes rusts, take-all of wheat, seedling blight, smut, and powdery mildew, with recommendations for control.
425. CARRERA, C. Tratamiento o cura de las semillas de los cereales. Bolsa de Cereales, Buenos Aires. Rev. 35(1868):19-21,28-37. Oct.14,1948. 287 B866
- Also in Campo [Buenos Aires] 29:28-29. July 1945. 9 C15
426. CARRERA, C. J. M. La agalla de corona de los frutales. Agente: *Phytomonas tumefaciens* Smith y Townsend. Argentina. Inst. de Sanid. Veg. Dept. de Fitopat. C.24.2 p. Carr.1947. 464.9 Ar323C
427. CARRERA, C. J. M. Cancer del manzano (*Physalospora obtusa*, Schw. *Physalospora cydoniae*, Arn.). Argentina. Inst. de Sanid. Veg. Dept. de Fitopat. C.20.2 p. Feb.1947. 464.9 Ar323C
428. CARRERA, C. J. M. El cancer negro del manzano. Campo y Suelo Argentino 31(372):46. Oct.1947. 9 C15
- Produced by *Physalospora obtusa*.
429. CARRERA, C. J. M. El mildiu-tizon tardio o fitofora de la papa *Phytophthora infestans* (Mont.) De Bary. Argentina. Inst. de Sanid. Veg. Dept. de Fitopat. C.23.2 p. Feb.1947. 464.9 Ar323C
430. CARRERA, C. J. M. Especies de *Fusarium* que causan podredumbre en los frutos de carozo. Lilloa 5: 169-180, illus. 1940. 450 L62
- Brief German summary.
- Short historical summary of studies of various *Fusarium* on stone fruits.
- Illustrations of infected peaches.
431. CARRERA, C. J. M. Estudio de una nueva enfermedad del Gladiolo en la Republica Argentina. Argentina. Inst. de Sanid. Veg. [P.], Ser. A, 3(34),8 p., illus. 1947. 464.9 Ar323
- Caused by *Fusarium oxysporum* gladioli.

432. CARRERA, C. J. M. Estudio sobre la fisiología de la *Phytophthora capsici* Leonian productora del "mildiu" o "tizón" del pimiento en la Argentina. Buenos Aires. U. Facul. de Agron. y Vet. Rev. 10:156-198. Oct. 1942. 9 B63
- English summary.
433. CARRERA, C. J. M. La "fusariosis" o marchitamiento del lino en la República Argentina debida al "Fusarium lini." Bolley. Argentina. Min. de Agr. Almanaque (1941)16:141-142, illus. (col.). 9 Ag874 Wilt of flax.
434. CARRERA, C. J. M. El género "Fusarium" en la República Argentina. Estudio e identificación de algunas especies. Physis 15:21-77, illus. Mar.31,1939. 516 Sol2
- Discussion of the genus: importance, lesions, pathogenicity, culture studies and media, generic groups.
435. CARRERA, C. J. M. El género "Fusarium" en la República Argentina. Estudio y clasificación sistemática. (Segunda contribución). Rev. Argentina de Agron. 7: 277-298, illus. Dec.1940. 9 R327
- Lists of Fusarium and hosts, p. 293-295.
436. CARRERA, C. J. M., and NOLL, W. La importancia de algunas especies de Fusarium en el pietín y el marchitamiento de *Lupinus albus*, *Lup. angustifolius* y *Lens esculenta* en el Uruguay. Soc. Cient. Argentina An. 131:152-184, 185-211, illus. Apr.-May 1941. 516 Sol
437. CARRERA, C. J. M. Lucha contra las enfermedades y parásitos de las plantas frutales. Campo y Suelo Argentino 32(373):20-22. Nov.1947. 9 C15
438. CARRERA, C. J. M. Lucha y control de las enfermedades de los vegetales. Campo y Suelo Argentino 32(374):31. Dec.1947. 9 C15
439. CARRERA, C. J. M. Una nueva enfermedad de la caña de azúcar. IDIA: Inform. de Invest. Agr. 2(16):15. Apr. 1949. 9 I63
- Caused by *Fusarium moniliforme*.
440. CARRERA, C. J. M. La "peronospora" o "mildew" de la vid (*Plasmopara viticola*) (Berkeley y Curtiss). Argentina. Inst. de Sanid. Veg. Dept. de Fitopat. C. 16, 2 p. Feb.1947. 464.9 Ar323C
- Also in Campo [Buenos Aires] 30(358):50-51. Aug.1946. 9 C15 Corp.
441. CARRERA, C. J. M. Podredumbre del pie o gomosis de los citrus (*Phytophthora parasitica* (Dastur)). Argentina. Inst. de Sanid. Veg. Dept. de Fitopat. C. 19, 2 p. Feb.1947. 464.9 Ar323C
442. CARRERA, C. J. M. Podredumbre morena del duraznero (*Sclerotinia cinerea*, Schz.) (-*Monilia cinerea*, Bon.). Argentina. Inst. de Sanid. Veg. Dept. de Fitopat. C. 13, 1 p. Feb.1947. 464.9 Ar323C
443. CARRERA, C. J. M. La presencia de "Fusarium scirpi, v. acuminatum" en la República Argentina. Rev. Argentina de Agron. 7:89-94, illus. June 1940. 9 R327
- Fungus associated with blight of carnation (*Dianthus caryophyllus*); same fungus found pathogenic to flax.
444. CARRERA, C. J. M. Principales enfermedades del lino. Argentina. Inst. de Sanid. Veg. Dept. de Fitopat. C. 22, 3 p. Feb.1947. 464.9 Ar323C
- Spasm, wilt and rust.
445. CARRERA, C. J. M. Procedimientos para combatir la "sarna" o "verruja" de los citrus, *Shpacheloma fawcettii*, Jenkins. Argentina. Inst. de Sanid. Veg. Dept. de Fitopat. C. 15, 2 p. Feb.1947. 464.9 Ar323C
446. CARRERA, C. J. M., and MENASE DE GIBERTI, M. J. Pruebas experimentales realizadas con *Fusarium graminearum* Schw. Argentina. Inst. de Sanid. Veg. [P.] Ser. A. 3(25), 7 p. 1947. 464.9 Ar323
- On wheat.
447. CARRERA, C. J. M. Torque o enlunamiento del duraznero (*Taphrina deformans* (Fcl.) Tul.). Argentina. Inst. de Sanid. Veg. Dept. de Fitopat. C. 17, 1 p. Feb. 1947. 464.9 Ar323C
448. CARRERA, C. J. M. La tuberculosis del olivo. Agente: *Phytophoma savastanoi* (Smith.) Bergey. Argentina. Inst. de Sanid. Veg. Dept. de Fitopat. C. 25, 2 p. Mar.1947. 464.9 Ar323C
449. CARVAJAL BARAHONA, F. "Ojo de gallo" (*Omphalia flava*). Inst. de Defensa del Café de Costa Rica. Rev. 7:535-576, illus. Feb.1939. 68.28 C82
- American leaf disease of coffee.
450. CARVALHO, J. H. DE. Requisitos indispensáveis no combate aos parasitos das vegetais. Rev. Agron. Rio Grande do Sul 4:119-124, illus. Feb.1940. 9.2 R325
- Controlling plant diseases in Argentina.
451. CARVALHO, R. DE S. O nematóide das raízes das plantas citricas - *Tylenchulus semipenetrans* Cobb - a sua possível relação com a doença "podridão das radículas." Rev. de Agr. [Piracicaba] 17:423-434, illus. Dec.1942. 9.2 R324
- English summary.
- General account of the history, distribution, and symptoms of the disease and of the morphology and control of the parasite.
452. CARVALHO, R. DE S. Sobre a ocorrência de um nematóide nas raízes das plantas citricas. Rev. de Agr. [Piracicaba] 17:347-352, illus. Aug-Oct.1942. 9.2 R324
- Tylenchulus semipenetrans* on orange.
453. CARVALHO, R. F. DE. Principais pragas e moléstias das plantas de horta. Pernambuco. Sec. de Agr., Indús. e Com. B. 10(3/4):4-13, illus. Sept./Dec. 1943. 9.2 P423
- Moléstias, p. 9-13, illus.
454. CARVALHO, T. DE. A doença do enegrecimento das nervuras (podridão bacteriana) das couves, nabos, etc. (*Xanthomonas campestris* Dows.). Gaz. do Agr. 1:79-82, illus. Sept.1949. 24 G25
- In Mozambique.
455. CARVALHO, T. DE. A mancha preta da fruta citrina (*Phoma citricarpa* McAlp.). Gaz. do Agr. 1:95-102, illus. Oct.1949. 24 G25
- In Mozambique.
456. CARVALHO, T. DE. A murcha bacteriana da batateira, tomateiro e outras plantas (*Xanthomonas solanacearum* Dows.). Gaz. do Agr. 1:130-134, illus. Nov.1949. 24 G25
- In Mozambique.
457. CARVALHO, T. DE. Relação preliminar de doenças encontradas em plantas e insetos, com anotações fitopatológicas. Lourenço Marques, 1948. 84 p., illus. 464 C25
458. CASANUEVA R., J. M. Pestes y enfermedades de las plantas frutales. Chile Min. Agr. B. 6:21-60, illus. Jan./Mar.1939. 9.3 C433
- Profusely illustrated.
459. CASARES PEREZ, E. Manchas del henequén. Sisal de Yucatán 6(63):11,32. Mar.31,1945. 73.8 S183
- Anthraxose caused by *Glomerella cingulata*, often following injury due to *Homalodisca triquetra*.
460. CASTAÑO A., J. J. Los virus en las plantas. Agr. Trop. 2(7):57-60. Aug.15,1946. 26 Ag8
461. CASTELLANI, E. L'antracnosi del Carrubo. Riv. di Agr. Subtrop. e Trop. 42:81-91. Apr./June 1948. 26 Ag82
- English summary.
- A strain of *Colletotrichum gloeosporioides*.
462. CASTELLANI, E. Attuali conoscenze sul genere *Fusarium* in Africa Orientale Italiana. Agr. Colon. 34: 425-431. Oct.1940. 26 Ag82
463. CASTELLANI, E. Considerazioni fitopatologiche sull' Africa Orientale Italiana. Agr. Colon. 33:486-492, illus. Aug.1939. 26 Ag82
464. CASTELLANI, E. Osservazioni fitopatologiche sul "Berbere." I. Cercosporiosi. Riv. di Agr. Subtrop. e Trop. 42(1/3):20-29, illus. Jan./Mar.1948. 26 Ag82
- English summary.
- Description of a disease of "Berbere" (chilli, *Capiscum annum* e *C. frutescens*) that the author once observed in Eritrea and Abyssinia, East Africa, caused by a *Cercospora*.
465. CASTELLANI, E. Osservazioni preliminari sulle ruggini del grano nell' altipiano etiopico. Agr. Colon. 32:400-407, illus. (maps). Sept.1938. 26 Ag82
466. CASTELLANI, E. Première contribution à la connaissance de la flore blastomycétique des bananes de l'Afrique orientale Italienne. Soc. Internaz. di Microbiol. Sez. Ital. B. 9:226-232. July 1937. 448.3 Sol
- Torulopsis conglobata* var. *minima* n. var., *Torulopsis musarum* n. sp.
467. CASTELLANI, E. Prima ricognizione fitopatologica in Africa orientale Italiana. Agr. Colon. 33:143-148. Mar.1939. 26 Ag82
468. CASTELLANI, E. Problemi fitopatologici dell' Impero. Osservazioni ed orientamenti. Georgofili 5:545-558. Oct./Dec.1939. 507 F51
469. CASTELLANI, E. A proposito della presunta resistenza di varietà brasiliane di caffè alla *Hemileia vastatrix*. Agr. Colon. 36:100-101. Apr.1942. 26 Ag82
- In East Italian Africa.
470. CASTELLANI, E. La ruggine del caffè (*Hemileia vastatrix* B. e Br.). Agr. Colon. 31:15-23,66-72, illus. Jan.-Feb.1937. 26 Ag82

471. CASTELLANI, E. La scabbia delle arance in Eritrea. Riv. di Agr. Subtrop. e Trop. 42:145-150. July/Sept. 1948. 26 Ag82
English summary.
In East Africa.
472. CASTELLANI, E. Su due malattie del cartamo osservate nell'altopiano etiopico. Agr. Colon. 34:331-338. Aug. 1940. 26 Ag82
Puccinia carthami and Cercospora carthami on safflower in East Italian Africa.
473. CASTELLANI, E. Su due malattie del Cyperus rotundus L. Agr. Colon. 36:157-161, illus. June 1942. 26 Ag82
Rust on nut grass in East Italian Africa caused by Puccinia canaliculata and Citrictaria sp.
474. CASTELLANI, E. Su un marciume dell'ensete. Agr. Colon. 33:297-300, illus. May 1939. 26 Ag82
Bacterium solanacearum on Musa ensete.
475. CASTILLO, B. S., and CELINO, M. S. Wilt disease of abaca, or Manila hemp (Musa textilis Née). Philippine Agr. 29:65-85, illus. June 1940. 25 P542
Caused by Fusarium oxysporum Schlecht. f.3 Wr.
A study to prove that the fungus causing banana wilt is identical with the one causing abaca wilt.
476. CELINO, M. S. Diseases of cotton in the Philippines. I-II. Philippine Agr. 25:302-317; 26:788-806, illus. 1936-38. 25 P542
K. Jalavicharana, main author Pt. II, M. S. Celino and R. C. Espino, joint authors Pt. II.
I, Sclerotium stem rot, with notes on other diseases.
II, Anthracnose, soreshin, and Fusarium stem and boll rot.
477. CELINO, M. S. Experimental transmission of the mosaic of abaca, or Manila hemp plant (Musa textilis Née). Philippine Agr. 29:379-403, illus. Oct. 1940. 25 P542
478. CELINO, M. S. A preliminary report on a blight disease (cadang-cadang) of coconut in San Miguel Estate, Albay Province. Philippine J. Agr. 13:31-35. Third Q. 1947. 25 P543
In the Philippine Islands.
"Tentatively called San Miguel leaf blight."
This yellowing disease is different from the non-infectious form of cadang-cadang previously observed by the writer.
479. CELINO, M. S. Progress report on experimental transmission of cadang-cadang disease of coconut. Philippine J. Agr. (1947) 13:109-113, illus. 1949. 25 P543
480. CELINO, M. S., and OCFEMIA, G. O. Two additional insect vectors of mosaic of abaca, or Manila hemp plant, and transmission of its virus to corn. Philippine Agr. 30:70-78, illus. June 1941. 25 P542
481. CENTRAL PROVINCES AND BRERAR. DEPT. OF AGRICULTURE. Annual report, 1937/38. Nagpur, 1939. 40 p. 107.5 N13A
Report of the mycologist, by J. F. Dastur, p. 30-32.
Brief notes on diseases of jowar, wheat, peanuts, pan, citrus, and rice.
Similar reports for the earlier years. Later reports not received.
482. CEYLON. DEPT. OF AGRICULTURE. Administration report, 1946. Colombo, 1948. 88 p. 22.5 C33R
Plant pathology, by L. S. Bertus, p. D-8-D-11. Brief notes on diseases of cacao, coconut, citrus, ginger, and plantain.
Earlier reports are similar, reporting variously on diseases of rubber, tobacco, rice, tomato, maize, cassava, Pyrethrum, soybean, brinjal, turmeric, Napier grass, cardamoms, casuarina tree, and balsa tree.
483. CEYLON. DEPT. OF AGRICULTURE. Pink disease, a common disease of fruit trees. Ceylon. Dept. Agr. L. 104, 1 p., illus. 1937. 22.5 C33L
Produced by Verticillium salmonicolor.
484. CEYLON. DEPT. OF AGRICULTURE. DIVISION OF PLANT PATHOLOGY. Brown spot of paddy. Trop. Agr. [Ceylon] 39:150-151, illus. July/Sept. 1943. 26 T751
Caused by Helminthosporium oryzae.
485. CEYLON TEA RESEARCH INSTITUTE. Annual report, 1946. Ceylon Tea Res. Inst. B. 28, 62 p. St. Coombs, Talawakelle, 1947. 68.19 C33
Report of the mycologist, by F. R. Tubbs, p. 24-27.
Mainly a discussion of blister blight of tea caused by the fungus Exobasidium vesicaria.
Previous reports, by C. H. Gadd, mycologist, discuss other diseases of tea, such as, nematode and root diseases, phloem necrosis, Rosellinia disease, stem canker, sooty mould, horsehair blight, and leaf diseases.
486. CHAKRAVARTI, R. Eelworm diseases in plants. Indian Farming 9:447-450. Nov. 1948. 22 In283
Description of root-knot disease (causative agent: Heterodera marioni); ear-cockle disease (Anguillulina tritici); ufra disease (Anguillulina angusta), and bud-rot disease (Aphelenchus sp.).
487. CHALONS, M. Desinfección de semillas. Ecuador. Min. de Prevision Social. B. 1(5):16-18. June 1937. 28 I.8 Ec9
488. CHARDON, C. E. Informe del profesor Carlos E. Chardon sobre el "mosaico" de la caña de azúcar al señor Ministro de Agricultura y Comercio doctor Manuel Jose Vargas. Agricultura [Bogotá] 9(6):107-120, illus. Mar. 1937. 9.4 In22
In Colombia.
489. CHARDON, C. E. El mosaico de la caña de azúcar en Colombia. Rev. de Agr. [Dominican Repub.] 28:239-242. May 1937. 8 R323
Symptoms described; transmissibility; control measures.
490. CHARDON, C. E. Orígenes y desenvolvimiento del mosaico de la caña de azúcar. Rev. de Agr. de P. R. 28(4):749-753. June 1937. 8 R325
Extract of paper given before "la Sociedad de Agricultores de Colombia," Jan. 22, 1937.
491. CHATTERJI, N. K. Anatomical studies in a necrotic papaya (Carica papaya, L.) plant. Indian Bot. Soc. J. 22:41-50, illus. Jan. 1943. 450 J821
492. CHATTERJI, N. K. Plant viruses. Sci. & Cult. 6:450-455. Feb. 1941. 475 Sc124
The nature of viruses, physical properties, size of virus particles, immunity, modes of transmission, and control.
493. CHAUDHURI, H. Diseases in plants. Sci. & Cult. 7:90-97, illus. Aug. 1941. 475 Sc124
In general, with observations on plant diseases in India.
494. CHAUDHURI, H. On resistance of vernalised plants of linseed to attack by Melampsora lini. Cur. Sci. 8:555-556. Dec. 1939. 475 Sc123
495. CHEESMAN, E. E., and WARDLAW, C. W. Specific and varietal susceptibility of bananas to Cercospora leaf spot. Trop. Agr. [Trinidad] 14:335-336. Dec. 1937. 26 T754
Certain hybrid varieties, highly resistant to Cercospora leaf spot (Cercospora musae), offer best solution to the problem of obtaining a good export banana.
496. CHERIAN, M. C., and KYLASAM, M. S. Preliminary studies on the "freckled yellow" and "stripe" diseases of holam. Assoc. Econ. Biol. Proc. 4(1936):57-63, illus. 1937. 442.9 As7
"Freckled yellow" disease transmitted by shoot bug, Peregrinus maidis.
497. CHEVALIER, A. Le dépérissement des cacaoyers dans l'Ouest africain et les recherches sur le swollen-shoot. Rev. Internat. de Bot. Appl. et d'Agr. Trop. 29:296-297. May/June 1949. 26 R323
498. CHEVALIER, A. Travaux du congrès des riz et des maïs des Colonies françaises. Rev. Bot. Appl. 19:790-801. Nov. 1939. 26 R323
Maladies cryptomiques et insectes nuisibles au riz et au maïs, p. 799-801
499. CHIAROMONTE, A. Conferencia interamericana de sanidad vegetal. Riv. di Agr. Subtrop. e Trop. 43:188-194. July/Sept. 1949. 26 Ag82
Discussion of the Inter-American Conference on Plant Protection, Buenos Aires, Sept. 20-25, 1948.
500. CHILE. DEPARTAMENTO DE SANIDAD VEGETAL. Agallas del cuello (Bacterium tumefaciens) de los árboles frutales. Chile. Dept. de Sanid. Veg. C. 21, 3 p. 1945. 464.9 C432C
501. CHILE. DEPARTAMENTO DE SANIDAD VEGETAL. La gomosis de los cítricos. Chile. Dept. de Sanid. Veg. C. 22, 3 p. Nov. 1945. 464.9 C432C
Caused by a fungus of the genus Phytophthora.
502. CHILE. DEPARTAMENTO DE SANIDAD VEGETAL. El oídio de la vid. Chile. Dept. de Sanid. Veg. C. 23, 3 p. 1945. 464.9 C432C
503. CHILE. MINISTERIO DE AGRICULTURA. DEPARTAMENTO DE SANIDAD VEGETAL. La antracnosis de la vid. Chile. Min. de Agr. Dept. de Sanid. Veg. C. 3, 3 p., illus. 1942. 464.9 C432C
504. CHILE. MINISTERIO DE AGRICULTURA. DEPARTAMENTO DE SANIDAD VEGETAL. La cloca del durazno. Chile. Min. de Agr. Dept. de Sanid. Veg. C. 15, 3 p., illus. 1942. 464.9 C432C
Caused by Taphrina deformans.

505. CHILE. MINISTERIO DE AGRICULTURA. DEPARTAMENTO DE SANIDAD VEGETAL. Formulas más comunes en sanidad de las plantas. Chile. Min. de Agr. Dept. de Sanid. Veg. C. 18,4 p., illus. 1942. 464.9 C432C
506. CHILE. MINISTERIO DE AGRICULTURA. DEPARTAMENTO DE SANIDAD VEGETAL. La fusariosis o pudrición seca de la papa. Chile. Min. de Agr. Dept. de Sanid. Veg. C. 5,3 p., illus. 1942. 464.9 C432C
Produced by a fungus of the genus *Fusarium*.
507. CHILE. MINISTERIO DE AGRICULTURA. DEPARTAMENTO DE SANIDAD VEGETAL. El oidio del durazno. Chile. Min. de Agr. Dept. de Sanid. Veg. C. 9, 3 p., illus. 1942. 464.9 C432C
Caused by *Sphaerotheca pannosa*, var. *persicae*.
508. CHILE. MINISTERIO DE AGRICULTURA. DEPARTAMENTO DE SANIDAD VEGETAL. La pudrición de las raíces y tallos del papayo. Chile. Min. de Agr. Dept. de Sanid. Veg. C. 10,3 p., illus. 1942. 464.9 C432C
509. CHILE. MINISTERIO DE AGRICULTURA. DEPARTAMENTO DE SANIDAD VEGETAL. Pudrición parda de las frutas cítricas. Chile. Min. de Agr. Dept. de Sanid. Veg. C. 12,4 p., illus. 1942. 464.9 C432C
Caused by various fungi of the genus *Phytophthora*.
510. CHILE. MINISTERIO DE AGRICULTURA. DEPARTAMENTO DE SANIDAD VEGETAL. "Tirol de munición" de los árboles frutales de hueso. Chile. Min. de Agr. Dept. de Sanid. Veg. C. 14,3 p., illus. 1942. 464.9 C432C
511. CHILE. MINISTERIO DE AGRICULTURA. DEPARTAMENTO DE SANIDAD VEGETAL. La Venturia del manzano. Chile. Min. de Agr. Dept. de Sanid. Veg. C. 13,4 p., illus. 1942. 464.9 C432C
Apple scab fungus produced by *Venturia inaequalis*.
512. CHOUSSY, F. Algodon. Siembra comparativa de algunas variedades en los terrenos de ensayo de la asociación cafetalera y control de las plagas corrientes. Café de El Salvador 12:11-14, illus.(col.). Jan.1942. 68.28 C112
513. CHOUSSY, F. Las "escobas de brujas." Café de El Salvador 13:220-222, illus. Nov.1943. 68.28 C112
On coffee.
514. CHOUSSY, F. "Mal de heridas" o "mal de poda" del café. Café de El Salvador 10:312-315, illus. Apr.1940. 68.28 C112
Brief note on the study of a disease attributed to a fungus of the *Rostrella* group or possibly to a *Fusarium*.
515. CHOUSSY, F. El posible implantamiento del cultivo de la rosella en El Salvador; datos básicos y recomendaciones. 95 p., illus. San Salvador, Cisneros, 1942. 73.5 C45
Reprinted by various authors in the Recopilación anexa, p. 21-95.
Enfermedades...by J. Stern, p. 14-15.
516. CHOUSSY, F. Sobre una enfermedad de origen fungoso en los magueyales de Oriente. Café de El Salvador 13:267-269, illus. Dec.1943. 68.28 C112
Apparently caused by *Diplodia*.
517. CHOWDHURY, S. An Alternaria disease of safflower. Indian Bot. Soc. J. 23:59-65, illus. May 1944. 450 J821
Alternaria carthami n. sp.
518. CHOWDHURY, S. Ceratostomella diseases of pineapple. Indian J. Agr. Sci. 15:135-139. June 1945 [pub. 1944]. 22 Ag831
519. CHOWDHURY, S. A Cercospora blight of jute. Indian Bot. Soc. J. 26:227-231, illus. Nov.1947. 450 J821
C. corchori.
Reported in Sylhet, Assam, India.
520. CHOWDHURY, S. Control of Cercospora blight of jute [Sesamum indicum]. Indian J. Agr. Sci. 15:140-142. June 1945 [pub. 1944]. 22 Ag831
521. CHOWDHURY, S. A combination of fungal spores in relation to atmospheric humidity. Indian J. Agr. Sci. 7:653-657. Aug.1937. 22 Ag831
522. CHOWDHURY, S. A Gibberella blight of rice hitherto unrecorded from India. Cur. Sci. 16:152-153. May 1947. 475 Sci23
Gibberella saubinetii.
523. CHOWDHURY, S. A Glomerella rot of nuna [Annona reticulata]. Cur. Sci. 16:384. Dec.1947. 475 Sci23
524. CHOWDHURY, S. Heart or stem-rot of pineapple. Indian J. Agr. Sci. 15:139-140. June 1945 [pub. 1946]. 22 Ag831
Caused by a strain of *Phytophthora parasitica*.
525. CHOWDHURY, S. A leaf spot of *Borassus flabellifer* L. caused by *Pestalotia* [i. e. *Pestalotzia*] *palmarum* Cke. Indian Bot. Soc. J. 25:131-137, illus. Aug.1946. 450 J821
A survey of a disease of the Palmyra palm tree, 1944-46, observed in Assam and other parts of India.
526. CHOWDHURY, S. Mode of transmission of the bunt [Neovossia horrida] of rice. Cur. Sci. 15:111. Apr. 1946. 475 Sci23
Experiments have shown that the smut (*Neovossia horrida*) is not seed-borne and infection does not take place in the seedling stage.
527. CHOWDHURY, S. On the control of Rhizoctonia root-rot of pan (Piper betle L.). Sci. & Cult. 13:507-508. June 1949. 475 Sci24
Investigations on betelvine carried out at the Plant Pathological Laboratory, Sylhet, Assam, India.
528. CHOWDHURY, S. Physiology of *Cercospora sesami* Zimm. Indian Bot. Soc. J. 23:91-107, illus. Aug. 1944. 450 J821
529. CHOWDHURY, S. A Rhizoctonia leaf blight of Dioscorea. Cur. Sci. 15:81-82, illus. Mar.1946. 475 Sci28
First report of the occurrence of this disease on Dioscorea (yam) leaves at Sylhet, Assam, India.
530. CHOWDHURY, S. Some studies in the Rhizopus rot of jack fruit. Indian Bot. Soc. J. 28:42-50, illus. Feb. 1949. 450 J821
Work carried out at the Plant Pathological Laboratory, Sylhet, Assam, India. Disease caused by the fungus *Rhizopus arlicarpi*.
531. CHOWDHURY, S. Wilt of pineapple in Assam. Cur. Sci. 15:82. Mar.1946. 475 Sci23
Fungus identified as a strain of *Phytophthora parasitica*.
532. CICCARONE, A. Appunti sulla coltivazione del frumento nel Kenya con particolare riguardo al problema delle ruggini. Riv. di Agr. Subtrop. & Trop. 41:22-42. Jan./Mar.1947. 26 Ag82
533. CICCARONE, A. Considerazioni sulla presenza e sul comportamento della ruggine del caffè (*Hemileia vastatrix* Berk. et Br.) in alcune regioni del Galla e Sidama. Agr. Colon. [Italy] 34:112-115. Mar.1940. 26 Ag82
534. CICCARONE, A. Un'interessante defogliazione del cotone. Riv. di Agr. Subtrop. & Trop. 42:154-156. July/Sept.1948. 26 Ag82
English summary.
The author reports the presence of the fungus *Alternaria* on cotton in Venezuela.
535. CICCARONE, A. Italian East Africa; plant diseases reported in 1939. Internatl. B. Plant Protect. 14: 117 M-119 M. June 1940. 464.8 In8
List.
536. CICCARONE, A. Malattie delle piante segnalate nel 1939 nell'Africa Orientale Italiana. Agr. Colon. 34: 388-390. Sept. 1940. 26 Ag82
537. CICCARONE, A. Note sulla biologia della "nebbia del frumento" (*Erysiphe graminis* D. C.) nello Scioa. Agr. Colon. 35:232-238. June 1941. 26 Ag82
In Italian Africa.
538. CICCARONE, A., and PLATONE, E. Notizie su *Sclerotium rolfsii* Sacc. in Venezuela e prove preliminari per la lotta. Riv. di Agr. Subtrop. & Trop. 43:71-80. Apr./June 1949. 26 Ag82
539. CICCARONE, A. Osservazioni sulle epifizie di *Phytophthora infestans* (Mont.) de Bary nel Valle de Aragua, Venezuela. Riv. di Agr. Subtrop. & Trop. 43 (1/3):22-28. Jan./Mar.1949. 26 Ag82
English summary.
The potato crop as affected by the fungus *Phytophthora infestans*; control measures.
540. CICCARONE, A. Il problema delle ruggini dei grani in Etiopia. Tre anni di osservazioni (1938-1939, 1940). Riv. di Agr. Subtrop. & Trop. 41:169-194, 248-261. 1947. 26 Ag82
541. CICCARONE, A. Zonate leaf spot [Gloeosporium sorghi] of sorghum in Venezuela. Phytopathology 39:760-761. Sept.1949. 464.8 P56
542. CIFERRI, R. La escoba de bruja de algunos árboles de sombrero de cacao. (*Erythrina y Tabebuia*) en Venezuela, una enfermedad de origen no criptogámico. Colombia, U. Nac. Facul. Nac. de Agron. Rev. 10:143-147. June 1949. 9.4 C717
543. CIFERRI, R. Estudios sobre cacao. I-II. Colombia, U. Nac. Facul. Nac. de Agron. Rev. 8:395-413. Dec.1948. 9.4 C717
Physiological wilt and *Phytophthora palmivora* in Venezuela.

544. CIFERRI, R. Infectious chlorosis of bananas in Colombia. *Nature* [London] 163:175. Jan. 29, 1949. 472 N21.
- Brief note.
545. CIFERRI, R., and GADDINI, L. Marciume delle Musa da Bacterium solanacearum nell' oasi di Derna. *Agr. Colon.* 33:531-535, illus. Sept. 1939. 26 Ag 82.
546. CIFERRI, R., and CICCARONE, A. Observaciones sobre la enfermedad de la "hoja bronceada" del cocotero en Venezuela. Colombia. U. Nac. Facul. Nac. de Agron. Rev. 9:17-26, illus. Mar. 1949. 9.4 C717.
- Opinion divided as to the real cause of wilt of the coconut palm.
547. CIFERRI, R. Symptomatology of virus diseases induced in cacao by "2-4-D" treatment. *Nature* [London] 163:881. June 4, 1949. 472 N21.
- Results of an experiment in Venezuela.
548. CIFERRI, R. Una virosis del cacao en Colombia y en la Republica Dominicana. Colombia. U. Nac. Facul. Nac. de Agron. Rev. 9(29/30):79-84, illus. Mar./June 1948. 9.4 C717.
- Describes symptoms of a disease known as "hoja estrecha abollada," in the Dominican Republic and in the Valley of the Cauca in Colombia; transmitted through grafting.
549. CLARA, F. M. Diseases of garden vegetables and their control. *Philippine Isl. Dept. Agr. & Com. News B.* 1(4/5):60-65. June/July 1946. 25 P533N.
- Includes disease of cabbage, cauliflower, celery, radish, tomatoes, eggplant, pepper, onion, peas, bush bean, and cucurbits.
550. CLARA, F. M. Some diseases of vegetables and their control. *Philippine Isl. Dept. Agr. & Com. News B.* 1(12):51-52. Feb. 1947. 25 P533N.
- A popular radio presentation on garden crops in general.
551. CLEARE, L. D. Plant legislation in British Guiana and the Caribbean colonies. *Brit. Guiana. Dept. Agr. J.* 9:25-36. Mar. 1938. 9.6 B774.
- For the prevention and control of plant diseases.
552. COLE, H. B. Battle of the swollen shoot: a war with test tubes and microscopes to save the Gold Coast cocoa industry. *African World*, Jan. 1947, p.16-17. 286.8 Af8.
- Experiments at the West African Cocoa Research Institute at Tafo, Gold Coast.
553. COLON, E. C. The Macrorhizium root [i. e. rot] of onions 1938-1939. *Rev. de Agr. de P. R.* 33:490-493. July/Sept. 1941. 8 R325.
- Macrorhizium sp.
554. COMMISSION OF ENQUIRY INTO THE SWOLLEN SHOOT DISEASE OF CACAO IN THE GOLD COAST. Report. London, H. M. Stationery Off., 1948. 9 p. (Gt. Brit. Colon. Off., Colon. 236). 464.09 C732.
- Control recommendations and proposed research and educational programs, by G. H. Berkeley, W. Carter, and E. Van Slogteren.
- COMMONWEALTH MYCOLOGICAL INSTITUTE.
See IMPERIAL MYCOLOGICAL INSTITUTE.
555. CONDAO, C. La antracnosis de Melilotus albus in the Republica Argentina. *Rev. Argentina de Agron.* 5: 240-248, illus. Dec. 1938. 9 R327.
556. CONFORTI, E. L'anguiulolosi del banano nella Somalia Italiana. *Agr. Colon.* 37:126-131. May 1943. 26 Ag82.
- In East Africa.
557. COOK, M. T. A brief history of plant pathology. *Rev. de Agr. de P. R.* 32:449-452. July/Sept. 1940. 8 R325.
558. COOK, M. T. Cucumber mosaic in Puerto Rico. *P. R. U. J. Agr.* 22:443-447, illus. July 1938. 8 P832J.
559. COOK, M. T. Dry rot rot disease. *P. R. Sugar Manual* 1938:12-13. 65.8 P96.
- A sugarcane disease in Puerto Rico caused by a low type fungus.
560. COOK, M. T. Una enfermedad del ananás que ataca la caña de azúcar en Puerto Rico. *Hacienda* 32: 177-178, illus. May 1937. 6 H11.
- Thielaviopsis paradoxa.
561. COOK, M. T. Enfermedades de las plantas economicas de las Antillas... Traducido... por J. I. Otero. *P. R. U. Monog. Ser. B.* 4, 530 p., illus. 1939. 516 P96.
- Deals with diseases of sugarcane, citrus plants, bananas, cacao, pineapple, avocado, mango, papaw, guava, passionflower, fig, grape, cabbage, cassava, cucumber, eggplant, onions, peppers, potatoes, tomatoes, tobacco, coffee and coconut trees, and the cotton plant.
562. COOK, M. T., and OTERO, J. I. History of the first quarter of a century of the Agricultural Experiment Station at Rfo Piedras, Puerto Rico. *P. R. Agr. Expt. Sta. B.* 44, 123 p., illus. 1937. 100 P83A.
- Brief review of the work in botany and plant pathology, p. 68-73.
563. COOK, M. T. The organism causing the dry rot rot of sugar cane. *P. R. U. J. Agr.* 21:85-97, illus. Jan. 1937. 8 P832J.
- A discussion of the morphological, life history, and taxonomic position of the causal agent. It is believed that "this organism should be kept in the genus *Ligniera* or that there should be a merging of genera...in which it would become *Sorosphaera vascularum*."
564. COOK, M. T. Viruses and virus diseases of plants. 244 p., illus. Minneapolis, Minn., Burgess Pub. Co., 1947. 464.32 C77.
565. COOK, M. T. The witches' broom of *Tabebuia pallida* in Puerto Rico. *P. R. U. J. Agr.* 22:441-442, illus. July 1938. 8 P832J.
- Source of infection undetermined "but a leafhopper (*Protalebra Tabebuia Dozier*)...may be the vector."
566. COOLHAAS, C. Phytopathologische onderzoekingen. In *His Een overzicht van de werkzaamheden van het Proefstation midden- en Oost-Java in 1940*. Bergcultures 15:682-685. May 24, 1941. 22.5 B45.
- Observations on diseases of coffee, rubber, and cacao in Java.
567. COOLHAAS, C. Veldproeven ten dienste van het brandbaarheidsonderzoek. Klaten, Java. Proefsta. v. Vorstenland. *Tabak. Meded.* 84:61-64. 1937. 69.9 K66.
568. COOPER, R. F. V. Mancha foliar del apio o "ceniza." *Rev. Mens. B. A. P.* 27(320):55-57, illus. July 1944. 9 R325.
- Septoria apii and *S. apii graveolens*.
569. CORDONA S. Enfermedades del cafeto. *Rev. de Agr. [San José]* 21:261-262, 437, 439. June-Nov. 1949. 8 Es1.
- In Costa Rica.
570. CORREA, G. Tratamento das sementeiras e dos viveiros de hortaliças. *Ceres [Viscota]* 2:74-78. July/Aug. 1940. 9 C332.
571. CORREA LUN, N. La peronospora y el "polvillo" de la vid. *Uruguay Min. de Ganad. y Agr. B. Inform.* 2:441-442. Nov. 22, 1945. 9.9 G15B.
572. COSTA, A., JR. Septoriase do tomateiro. *Ceres [Viscota]* 2:395-413, illus. Mar./Apr. 1941. 9.2 C332.
- A general review of the disease and its distribution; its cause (*Septoria lycopersici*), including life history, ecology, and hosts; control.
573. COSTA, A., and others. Contribuição para o conhecimento da distribuição geográfica das moléstias de fumo no estado de São Paulo. *Rev. de Agr. [Piracicaba]* 17:237-256. May/July 1942. 9.2 R324.
- R. Foster, A. R. Lima, and S. R. Santos, joint authors.
- Virus diseases.
574. COSTA, A. S., and FORSTER, R. Duas moléstias de virus do feijoeiro (*Phaseolus vulgaris* L.). *Biológico* 7:177-182, illus. July 1941. 442.8 B529.
575. COSTA, A. S. Duas novas moléstias de virus do tomateiro em São Paulo. *Biológico* 15:79-81, illus. Apr. 1949. 442.8 B529.
- Topo amarelo e superbrotoamento ou cálice gigante, in Brazil.
576. COSTA, A. S., and FORSTER, R. Identidade do virus de vira-cabeça e sua inclusão no grupo do virus do "spotted wilt." *Bragantia* 1:491-516, illus. July 1941. 102.5 B737b.
577. COSTA, A. S. Infestação de sementes de algodoeiro com *Colletotrichum gossypii* South, e *C. gossypii* var. *Cephalosporioides*. *J. de Agron. São Paulo* 2:265-270, illus. July/Aug. 1939. 9.2 J764.
578. COSTA, A. S., and FORSTER, R. Lista de hospedeiras do virus de vira-cabeça. *Bragantia* 2:83-91. Mar. 1942. 102.5 B737b.
- English summary.
- Forty-five plants tested for their susceptibility to the disease; symptoms described.
579. COSTA, A. S. Mancha aureolada e queimada das folhas do fumo, causadas por *Corticium solani*. *Biológico* 14:113-114, illus. May 1948. 442.8 B529.
580. COSTA, A. S. Uma melá das sementeiras de fumo causada por *Rhizoctonia solani* Kuhn. *Biológico* 7: 323-324, illus. Nov. 1941. 442.8 B529.
581. COSTA, A. S., and KIEHL, J. Uma moléstia da batatinha, "Necrose do topo," causada pelo virus de "Vira-cabeça." *J. de Agron. São Paulo* 1:193-202, illus. July/Aug. 1938. 9.2 J764.
- English summary.

582. COSTA, A. S. Uma molestia de virus do amendoim (*Arachis hypogaea* L.). *Biológico* 7:249-251, illus. Sept. 1941. 442.8 B529

583. COSTA, A. S., and KRUG, H. P. Molestias da batatinha em São Paulo. *São Paulo Inst. Agron. B. 14*, 55 p., illus.(col.). 1937. 102.5 B73T
In Brazil.

584. COSTA, A. S., LIMA, A. R., and FORSTER, R. Necrose branca, uma molestia de virus do fumo (*Nicotiana tabacum* L.) e "fumo couve" como sintoma tardio. *J. Agron. de São Paulo* 3:1-26, illus. Mar. 1940. 9.2 J764
English summary.

A new virus disease of the tobacco plant.

585. COSTA, A. S., and FRANCO DO AMARAL, J. Nota preliminar sobre uma molestia das folhas do fumo (*Nicotiana tabacum* L.) causada por *Botryobasidium solani* (Prill. & Del.) Donk. *Rev. de Agr. [Piracicaba]* 14: 382-397, illus. Sept./Oct. 1939. 9.2 R324
English summary.

586. COSTA, A. S., and FORSTER, R. Nota preliminar sobre uma nova molestia de virus do algodoeiro. *Mosaico das nervuras*. *Rev. de Agr. [Piracicaba]* 13:187-191, illus. Mar./Apr. 1938. 9.2 R324
English summary.

Transmission of the disease by grafting.

587. COSTA, A. S., and FORSTER, R. Nota sobre a molestia de virus do fumo denominada faixa das nervuras. *Bragantia* 2:55-82, illus. Feb. 1942. 102.5 B73Tb

588. COSTA, A. S., and SOUZA, O. F. DE. Nota sobre a verrugose do amendoimzeiro. *Biológico* 7:347-349, illus. Dec. 1941. 442.8 B529

Sphaceloma arachidis on peanut.

589. COSTA, A. S. Nota sobre o mosaico do algodoeiro. *Rev. de Agr. [Piracicaba]* 12:453-470, illus. Oct./Dec. 1937. 9.2 R324
English summary.

An account of a mosaic disease of cotton in the State of São Paulo, Brazil. Symptoms and transmissibility are discussed.

590. COSTA, A. S., and NORMANHA, E. Nota sobre o tratamento de manivas de mandioca (*Manihot utilisima* Pohl) em água aquecida a diversas temperaturas. *Rev. de Agr. [Piracicaba]* 14:227-230. May/June 1939. 9.2 R324
English summary.

Control measures recommended for a type of cassava mosaic found in São Paulo, Brazil.

591. COSTA, A. S. Observações sobre o mosaico comum e o mosaico das nervuras da mandioca (*Manihot utilisima* Pohl). *J. de Agron. São Paulo* 3:239-248, illus. Sept. 1940. 9.2 J764

Common mosaic and vein mosaic of cassava.

592. COSTA, A. S. Observações sobre viracabeça em tomates. *Bragantia* 4:489-507, illus. Aug. 1944. 102.5 B73Tb

593. COSTA, A. S., and FORSTER, R. Ocorrência de molestia semelhante a "frenching" em uma plantação de fumo em Piracicaba. *Biológico* 14:171, illus. July 1948. 442.5 B529

594. COSTA, A. S. The relationship between American tobacco streak and Brazilian "necrose branca" or "couve". *Phytopathology* 35:1029-1050, illus. Dec. 1945. 464.8 P56

A note from the Department of Genetics, Instituto Agronomico de Campinas, São Paulo, Brazil.

595. COSTA, A. S., and LIMA, A. R. Sobre variedades de fumo que localizam o virus do mosaico comum (*Nicotiana glauca* L.). *Rev. de Agr. [Piracicaba]* 15:209-213. May/June 1940. 9.2 R324

596. COSTA, A. S., and FORSTER, R. Uma suspeita molestia de virus do fumo (*Nicotiana tabacum* L.) semelhante a "leaf-curl," presente no estado de São Paulo. *J. de Agron. São Paulo* 2:295-302, illus. Sept./Oct. 1939. 9.2 J764

597. COSTA, A. S., and FORSTER, R. A transmissão mecânica de "vira-cabeça," por fricção, com suco. *Rev. de Agr. [Piracicaba]* 13:249-262, illus. May/June 1938. 9.2 R324

Also in *São Paulo Inst. Agron. Camp. B. Téc.* 50, 15 p., illus. 1939. 102.5 B73Ta

English summary.
Virus diseases of tobacco. Spotted wilt, crumple, corona, and vira-cabeça may be identical diseases.

598. COSTA RICA. DEPT. DE AGRICULTURA. Informe anual 1939. San José, 1940. 119 p. 102 C8221
Informe del Departamento de Fitopatología y Sanidad Vegetal, by R. Méndez C. On diseases of banana, cacao, bean, maize, tobacco, citrus, sugarcane, rice, coffee, potato, and apple.

Earlier reports are similar; later reports are not available.

599. COSTER, C. The work of the West-Java Research Institute, Buitenzorg, 1938-41. *Empire J. Expt. Agr.* 10:22-30. Jan. 1942. 10 Em7

On tea, rubber, and cinchona; includes pathological investigations.

600. COUCEIRO, G. M. F. Notas acerca da ocorrência do "anel vermelho" e do "mal da folha curta" nos coqueirais do estado do Pará. *Pernambuco, Sec. de Agr., Indus. e Com. B.* 16:70-74, illus. Jan./June 1949. 9.2 P423

Red ring caused by *Aphelenchoides cocophilus*; little leaf, cause undetermined.

601. COUCEIRO, E. M. Sclerotium rots of Sacc., *Sclerotium* juncea Lin. *Pernambuco, Sec. de Agr., Indus. e Com. B.* 14:55-57, illus. Jan./Mar. 1947. 9.2 P423

602. COUCH, J. N. A new Uredinea from Ceylon. *Mycologia* 33:405-410, illus. July/Aug. 1941. 450 M99
Uredinea spinulosa.

603. COURAULT, P. A. Observaciones sobre la foliolesos de los citrus en la provincia de Santa Fe. *Córdoba B. de Agr. y Ganad.* 175:13-16. Jan./Feb. 1940. 9 C81Bo

In Argentina.

604. CRANDALL, B. S., and DIEGUEZ C., J. A. A check list of the diseases of economic plants in the Tingo Maria zone of the Peruvian Montana. *Plant Dis. Rptr.* 32:20-27. Jan. 15, 1948. 1.9 P69P

605. CRANDALL, B. S. Cladosporium leaf mold of tomatoes in the Peruvian Montana. *Plant Dis. Rptr.* 31: 358-365, Oct. 15, 1947. 1.9 P69P

Caused by *Cladosporium fulvum*.

606. CRANDALL, B. S. Las enfermedades de la quina en el Perú, producidas por miembros del género *Phytophthora*. *Agronomía [Lima]* 13(53):47-61, illus. 1948. 9.8 Ag83

607. CRANDALL, B. S. An epidemic vascular wilt disease of barillo, *Calophyllum brasiliense* var. reko, in El Salvador. *Plant Dis. Rptr.* 33:463-465. Dec. 15, 1949. 1.9 P69P

Caused by *Cephalosporium* sp.

Contribution from the Centro Nacional de Agronomía.

608. CRANDALL, B. S., ABREGO, L., and PATINO, B. Investigaciones sobre enfermedades del café. *Café de El Salvador* 19:1425-1431, illus. May 1949. 68.2 C112

From the National Center of Agronomy, Department of Phytopathology, Santa Tecla, El Salvador.

609. CRANDALL, B. S., and DAVIS, W. C. Occurrence of cinchona root rots in the Americas. *Plant Dis. Rptr.* 28:926-929. Sept. 22, 1944. 1.9 P69P
Disease reported from Puerto Rico, Guatemala, Peru, Bolivia, and Colombia.

610. CRANDALL, B. S., and DIEGUEZ C., J. Phytophthora stem canker of sesame in Peru. *Phytopathology* 38:753-755, illus. Sept. 1948. 464.8 P56

611. CRANDALL, B. S., and DAVIS, W. C. Phytophthora wilt and stem canker of cinchona. *Phytopathology* 35:138-140, illus. Feb. 1945. 464.8 P56
In the tropics.

612. CRANDALL, B. S., and SWINGLE, C. F. Studies of tomato diseases in the Amazon Basin of Peru. (preliminary report). *Amer. Soc. Hort. Sci. Proc.* 49:267-269. June 1947. 81 S02

613. CRANDALL, B. S. Three *Phytophthora* (P. cinnamomi, P. palmivora, P. cactorum) diseases observed [on avocado, cacao and tomato] in the region of Tingo Maria, Peru. *Plant Dis. Rptr.* 29:536. June 15, 1945. 1.9 P69P

614. CRANE, J. C., and WELLMAN, F. L. Podrán los cambios en la nutrición de los cafetos en las plantaciones de El Salvador promover y prolongar la alta producción? *Café de El Salvador* 16:711-719. Aug. 1946. 68.28 C112

Experimental work conducted at the National Center of Agronomy, El Salvador, on the control of root rot.

615. CRONSHAY, J. F. H., and BARCLAY, C. Replanting in areas infested by root disease. Preliminary results obtained from an experiment on low land on Sumatra's east coast. *Arch. v. de Rubbercult.* 23:163-169. Aug. 11, 1939. 78.8 Ar2

Results of a rubber tree experiment.

616. CROSS, W. E. La actuación de la Estación Experimental frente a la crisis producida por el "carbon" de la caña de azúcar. *Tucumán. Estac. Expt. Agr. C.* 136,7 p. 1946. 102.5 T79

In Argentina.

Includes list of varieties resistant to smut.

617. CROSS, W. E. La caña de azúcar. Buenos Aires, 1939. 231 p., illus. (F. col.). (Buenos Aires, U. Facul. de Agron. y Vet. Bibliot. Agron. y Vet., v.2). 65 C88C
- Enfermedades y plagas, p. 147-194.
618. CROSS, W. E. Contestando algunas preguntas sobre el "carbón" de la caña. Tucumán. Estac. Expt. Agr. C. 121.4 p. 1943. 102.5 T79
- Ustilago scitaminea, causal agent.
619. CROSS, W. E. Datos adicionales sobre el "carbón" en las distintas variedades de caña de azúcar. Tucumán. Estac. Expt. Agr. B. 43.13 p. 1943. 102.5 T79B
620. CROSS, W. E. Declaración referente al "carbón" de la caña de azúcar. Tucumán. Estac. Agr. C. 120.4 p. 1943. 102.5 T79
- Ustilago scitaminea.
621. CROSS, W. E. El efecto del "carbón" en las cañas de distintas variedades durante el año agrícola 1944-1945. Tucumán. Estac. Expt. Agr. B. 55.31 p. 1944. 102.5 T79B
622. CROSS, W. E. La enfermedad del "carbón" y la zaca de 1942 en Tucumán. Indus. Azucarera 47(579):6-7. Jan. 1942. 65.8 In22
- Ustilago scitaminea on sugarcane.
623. CROSS, W. E. Informaciones relacionadas con la lucha contra el "carbón" de la caña de azúcar. Tucumán. Estac. Expt. Agr. Rev. Indus. y Agr. 34:45-91. Apr./June 1944. 9 T79
624. CROSS, W. E. Nuevas observaciones sobre el "carbón" en las distintas variedades de caña de azúcar. Tucumán. Estac. Expt. Agr. B. 39.15 p. Apr. 1943. 102.5 T79B
625. CROSS, W. E. Nuevas datos sobre el "carbón" en las distintas variedades de caña de azúcar. Tucumán. Estac. Expt. Agr. B. 50.35 p. Dec. 1944. 102.5 T79B
- Results of investigations at the Tucumán Experiment Station in Argentina.
626. CROSS, W. E. Observaciones y ensayos culturales relacionados con el "carbón" de la caña de azúcar. Tucumán. Estac. Expt. Agr. B. 37.12 p. 1942. 102.5 T79B
627. CROSS, W. E. The sugar cane smut crisis in Tucumán. Sugar 42(10):30-31, illus. Oct. 1947. 65.8 F11
628. CROSS, W. E. Variedades de caña resistentes al "carbón." Tucumán. Estac. Expt. Agr. B. 45.22 p. 1944. 102.5 T79B
629. CROUCHER, H. H. Efficient spraying to control leaf spot, Effects of inefficient spraying. Jamaica Agr. Soc. J. 45:284, 286-287. Aug. 1941. 8 J223
- In banana.
630. CROWDY, S. H., and POSNETTE, A. F. Virus diseases of cacao in West Africa. II. Cross-immunity experiments with viruses I, IB and IC. Ann. Appl. Biol. 34:403-411. Sept. 1947. 442.8 An72
- For other parts see Posnette, A. F.
631. CRUZ, H. M. DA, and LIMA, L. T. F. Doença do anel vermelho dos coqueiros no Brasil. Chacaras e Quintais 74:608. Nov. 15, 1946. 9.2 C34
- Aphelenchus cocophilus.
632. CUMMINS, G. B. Annotated check list and host index of the rusts of Guatemala. Plant Dis. Rptr. Sup. 142:79-131. 1943. 1.9 P69P
633. CUMMINS, G. B. Descriptions of tropical rusts. I-VII. Torrey Bot. Club B. 64:39-44; 67:67-75; 607-613; 68:467-472; 70:68-81; 517-530; 72:205-222, illus. Jan. 1937; Jan.-Oct. 1940; Oct. 1941; Jan.-Sept. 1943; Mar./Apr. 1945. 451 T63B
- New species of Lipocystis, Puccinia, Uredo, and Aecidium.
634. CUMMINS, G. B. Revisionary studies in the tropical American rusts of Panicum, Paspalum and Setaria. Mycologia 34:669-695, illus. Nov./Dec. 1942. 450 M99
- Puccinia catevaria, Puccinia pseudoatra, n. spp.
635. CUMMINS, G. B. Uredinales of New Guinea. I-IV. Mycologia 32:359-375; 33:64-68, 143-154, 380-389, illus. May/June 1940; Jan./Feb., Mar./Apr., July/Aug. 1941. 450 M99
- New species of Corbularpora, n. gen., Puccinia, Uredo, and Aecidium.
636. DA COSTA, E. W. B. Diseases of the papaw [Carica papaya]. Queensland Agr. J. 58:282-293, illus. May 1944. 23 Q38
- A review of the situation in Queensland with discussion of dieback, yellow crinkle, trunk rot, root rot, powdery mildew, fruit spot, black spot, and Rhizopus fruit rot.
637. DADE, H. A. A revised list of Gold Coast fungi and plant diseases. Kew Roy. Bot. Gard. B. Misc. Inform. 1940:205-247. 451 K51B
- Systematic list with host index, p. 238-247.
638. DADE, H. A. Swollen shoot of cacao; report on... visit to the Gold Coast. 15 p. [Accra?1937]. 464.09 D12
- Control recommendations.
639. DAIJI, J. A. Manganese toxicity as a probable cause of the band disease of Areca palm. Cur. Sci. 17: 259-260. Sept. 1948. 475 Sc123
- In the Ratnagiri and Kolaba districts of Bombay Province.
640. DALE, W. T. Observations on a virus disease of certain crucifers in Trinidad. Ann. Appl. Biol. 35:598-604, illus. Dec. 1948. 442.8 An72
- Transmitted by Rhopalosiphum pseudobrassicae.
- Rape and turnip are susceptible, but cabbage, cauliflower, kohlrabi and the European radish are apparently immune.
641. DALE, W. T. Preliminary studies of the plant viruses of Trinidad I-VIII. Trop. Agr. [Trinidad] 20:228-235. Dec. 1943. 26 T75
- Contents. Ch. I. Introduction and review of literature. Ch. 2, Methods. Ch. 3, Cowpea mosaic virus. Ch. 4, The transmission of cowpea mosaic virus. Ch. 5, Common bean mosaic virus. Ch. 6, Tobacco mosaic virus. Ch. 7, Agricultural importance of tobacco mosaic. Ch. 8, Other suspected plant viruses in Trinidad.
642. DALE, W. T. Witches' broom disease investigations. XII. Further studies on the infection of cacao pods by Marasmium perniciosus Stahel. Trop. Agr. [Trinidad] 23:217-221, illus. Dec. 1946. 26 T754
- For other parts see Baker, R. E. D.
643. DAMELE, V. P. A new species of Cystopus on Evolvulus albidoides Linn. Indian Bot. Soc. J. 22:133-136, illus. July 1943. 450 J221
- Cystopus evolvuli n. sp.
644. DANIELS, Z. A. Symptoms of diseases affecting citrus in Jamaica and suggestions on their control. Jamaica Agr. Soc. J. 44:274-276, 278. June/July 1940. 8 J223
- Citrus scab, gummosis, citrus knot, withertip of limes, dieback, thread blight, and foliocollosis.
645. DANIELS, Z. A. Tomato diseases and their control. Jamaica Agr. Soc. J. 45:380-382. Oct. 1941. 8 J223
- Includes anthracnose, blossom-end rot, Fusarium rot, Fusarium wilt, leaf mould, mosaic, and Phoma rot.
646. DANIELS, L. C. A., and PENARANDA CANAL, F. Mildeu de la vid. Colombia. U. Nac. Facul. Nac. Agron. Rev. 4:1009-1036, illus. (col.). Jan./Feb. 1941. 9.4 C717
- A general account of the disease and its control; caused by Plasmopara viticola.
647. DANTAS, B. A ocorrência da "cercosporiose" da bananeira no Brasil. Cercospora musae Zimm. Pará. Inst. Agron. do Norte. B. Tec. 14:45 p., illus. Mar. 1948. 9.2 J213B
- English summary.
- The disease occurs only in the Amazon Region of Brazil.
648. DASTUR, J. F. A new Corticum on orange stem. Indian J. Agr. Sci. 10:89-92, illus. Feb. 1940. 22 Ag83I
- Corticium album.
649. DASTUR, J. F. "Pan-sukh" disease of rice in the Central Provinces. Agr. & Livestock India 7:509-511, illus. July 1937. 22 Ag83A
- A physiological disease found in Chhatisgarh Division and Nagpur Division of the Central Provinces, India.
650. DASTUR, J. F. Stem breaking of cotton. Agr. & Livestock India 9:685-687, illus. Nov. 1939. 22 Ag83A
- A physiological disease occurring in the Central Provinces, India.
651. DASTUR, R. H., and SINGH, K. Investigations on the red leaf disease in American cottons. I. Red leaf disease in Sind-American cottons in Sind. Indian J. Agr. Sci. 17:235-244. Oct. 1947. 22 Ag83I
- Believed to be caused by a deficiency of nitrogen in the leaves of plants growing on light sandy soils.
652. DAVIS, W. C., and CRANDALL, B. S. Some cinchona diseases in the Western Hemisphere. Plant Dis. Rptr. 28:996-997. Oct. 15, 1944. 1.9 P69P
- Some observations on pink disease and thread blight in Central and South America.
653. DECARY, L. Les recherches de phytopathologie à Madagascar. Nature [Paris] 3156:108-111, illus. Apr. 1, 1948. 473 N21
- Includes diseases of coffee, vanilla, sugarcane, manioc, tobacco, grapes, peanuts, clove, cacao, and rice.

654. DEIGHTON, F. C. Tobacco leaf curl in Sierra Leone. West African Agr. Conf. Proc. (1938):7-8. 27 W52
- Brief article including a list of other host plants; control measures.
655. DEL VALLE, C. G., and ARANGO, O. La enfermedad de las rayas blancas del maíz produce grandes pérdidas en Calimete y Jagüey. Agr. Mod. [Habana] 1(5/6):13-24. Oct./Nov.1943. 8 Ag882
- White streak disease of maize in Cuba; transmitted by the *Peregrinus* maldid.
656. DELGADO MONTVOYA, N. El enrollado de las hojas de la papa. Rev. de Agr. y Com. e Indus. [Panama] 7(80):35-48. Apr.1948. 8 R3291
- In Colombia.
657. DELI PROEFSTATION TE MEDAN. Overzicht van de ziekten en plagen der Deli-tabak in het jaar 1937, by H. G. van der Weij. Deli Proefstat. te Medan. Meded. (ser. 2)98, 15 p. Medan, Sumatra, 1938. 109.5 D37
- Ziekten der tabak, p. 1-9.
- Earlier reports are similar; later reports are not available.
658. DELLE COSTE, A. C. Conocimientos actuales sobre las enfermedades del tabaco en el país. Argentina. Inst. de Sanidad Veg. [P.] Ser. B, (12), 23 p. 1945. 464.9 Ar323P
- In Argentina.
- Diseases include mildew, wilt, root, bacterial, mosaic ("carovó" o "jorobá," and "polvillo."
659. DELLE COSTE, A. C., OFFERMANN, A. M., and ZABALA, S. Determinación de dos virus del haba en cultivos de los alrededores de la ciudad de Buenos Aires. Argentina. Dir. Gen. de Labs. e Invest. Rev. de Invest. Agr. 2:81-88, illus.(col.). Mar.1948. 9 R329
660. DELLE COSTE, A. C., and ZABALA, S. La "peste negra" del tomate o "carcovó" del tabaco en la Republica Argentina. Argentina. Inst. Sanid. Veg. [P.] Ser. A, 2(17), 23 p., illus. 1946. 464.9 Ar323
- Spotted wilt of tomato and tobacco.
- Also in Campo y Suelo Argentino 31:40-41,70,72, illus. Jan.1947. 9 C15
661. DELLE COSTE, A. C., and ZABALA, S. La "peste negra" y el "mosaico común" del tabaco en el tomate cultivado en la Provincia de San Juan. Rev. Argentina de Agron. 13:138-139. June 1946. 9 R327
- Disease caused by *Lycopersicon virus 3* and *Nicotiana virus 1*.
662. DELLE COSTE, A. C. El problema de las enfermedades causadas por virus en los cultivos de papa. Campo y Suelo Argentino 30,i.e.31(366):56-57,59, illus. Apr.1947. 9 C15
- The chief virus diseases of the potato in Argentina are leaf roll, virus X, and rugose mosaic.
663. DELLE COSTE, A. C. El virus causante del "mosaico" del tabaco y su presencia en los cultivos de tomate y pimiento. Campo y Suelo Argentino 30,i.e.31(365):28-30, illus. Mar.1947. 9 C15
664. DELLE COSTE, A. C. Los virus "X" e "Y," su presencia en los cultivos de papa. Campo y Suelo Argentino 30,i.e.31(367):24-27, illus. May.1947. 9 C15
665. DEMOLON, A., and DUNEZ, A. Observaciones sobre el cansancio de los alfalfares. B. Platan. y Agr. [Mexico] 2:160,178, illus. June 20,1939. 8 B633
666. DEPOERCK, R. Sur un nouveau procédé de lutte contre les pourridies en Hévéa culture. Inst. Roy. Colon. Belge. B. des Semences 17:980-986. 1946. 50 B386
- Caused by *Fomes lignosus*, *Ganoderma pseudoferrum*, and *Armillaria mellea*.
667. DESLANDES, I. A. A "requeima do marmeleiro" e seu combate. Rev. de Agr. [Piracicaba] 16:62-65. Jan./Feb.1941. 9.2 R324
- Disease caused by *Entomosporium maculatum*; control measures.
668. DESLANDES, J. Doenças da bananeira. Brazil. Min. da Agr. Dept. Nac. Prod. Veg. Div. Defesa Sanit. Veg. P. 10,93 p., illus. 1938. 464.9 B73
669. DESLANDES, J. Doenças da bananeira. Rodrigues 2(No. especial):199-206. 1936[1937]. 442.8 R61
- Contents. Ch. 1, Deformations, Ch. 2, Diseases of the roots. Ch. 3, Diseases of the leaves. Ch. 4, Diseases of the cluster and of inflorescence. Ch. 5, Injuries of the cluster and of the banana after the harvest.
670. DESLANDES, J. A. Doenças da cebola. Brazil. Min. da Agr. Dept. Nac. Prod. Veg., Div. Defesa Sanit. Veg. P. 19,49 p., illus. 1944. 464.9 B73
671. DESLANDES, J. A. Doenças da mandioca no Nordeste. Ed. 2, 19 p. Rio de Janeiro. Ministério da Agricultura. Departamento Nacional da Produção Vegetal, Divisão de Defesa Sanitária Vegetal [1943] (S. I. A. 759). 464.09 D46
- Diseases of cassava in Brazil include rust, leaf spot, chlorosis, mosaic, and root rot.
672. DESLANDES, J. A. Doenças do tomateiro no nordeste. Soc. Bras. de Agron. B. 3:443-452, illus. Dec.1940. 9.2 So13
- Fungos, bacterial, and virus diseases of the tomato in northeastern Brazil.
673. DESLANDES, J. A. A "murcha" ou "queima" do algodoeiro. Campo 9(107):62-63, illus. Nov.1938. 9.2 C15
- Fusarium vasinfectum.
674. DESLANDES, J. A. Observações fitopatológicas realizadas na zona da Mata e centro de Minas Gerais. Ceres [Viçosa] 5:264-270. Mar./Apr.1944. 9.2 C332
- Plant diseases in Brazil.
675. DESLANDES, J. A. Podridão das pontas das bananeiras. Sítios e Fazendas [São Paulo] 8(2):8-10, illus. Feb.1943. 9.2 Si8
- Stachylium theobromae*, causal fungus.
676. DESLANDES, J. A. Sanidade dos batatais e trabalhos aplicados ao seu melhoramento. (Viagem aos estados de São Paulo, Minas Gerais, Paraná e Santa Catarina). [Brazil] Min. da Agr. B. 30(9):1-39, illus. Sept.1941. 9.2 Ag83
- In Brazil.
677. DESLANDES, J. A. Sobre a queima do algodoeiro no Nordeste. B. Fitossanit. 1:3-18, illus.(col.). Mar.1944. 464.9 B732
- Wilt disease in Brazil, caused by *Fusarium vasinfectum*.
678. DE WILDE, L. B. Bananenkrankheiten in der Inkisstreek (Laag Kongo). In Journales d'Agron. Colon. (Colonies Landbouwdagen) p. 362-367, illus. Louvain, 1937. 5 J82
- French summary.
- Bacterial, no organism named.
679. DEY, P. K., and SINGH, U. B. The stem-black disease of apple in Kumaun. Indian J. Agr. Sci. 9:703-710, illus. Oct.1939. 22 Ag831
- Coniothecium chomatosporum, causal agent.
680. DIEHL, W. W. Leptosphæria on maize in Costa Rica. Plant. Dis. Rptr. 25:359. July 15,1941. 1.9 P699
- Unlike any of several described species known on maize and related grasses. Brief report on a cereal disease.
681. DIETEL, P. Uredinales uruguayenses novae vel criticae. Rev. Sudamer. de Bot. 4:80-82. Feb.1937. 450 R3242
682. DOMINICA. DEPT. OF AGRICULTURE. Report, 1947. Roseau, 1948. 33 p. 102 W523
- Pests and diseases, p. 8. Brief notes on diseases of citrus, vanilla, tobacco, and banana.
- Earlier reports deal principally with diseases of the banana.
683. DOUGHTY, L. R. A note on Striga investigations at Amami. East African Agr. J. 8:33-38, illus. July 1944. 24 Ex74
- Striga hermionantha and S. asiatica on sorghum. Experimental work at Amami, East Africa.
684. DRUMMOND, O. A. Doenças da batata. Ceres [Viçosa] 4:419-420, illus. July/Aug.1943. 9.2 C332
- In Brazil.
685. DRUMMOND, O. A. Doenças da mandioca. Rev. Ceres 7(37):24-33, illus. July/Aug.1946. 9.2 C332
- In the State of Minas Gerais, Brazil. Includes rots, mosaic disease, anthracnose and powdery mildew.
686. DRUMMOND, O. A. Doenças das sementeiras da cebola. Ceres [Viçosa] 3:251-258, illus. Jan./Feb.1942. 9.2 C332
- Anthracnose and other diseases of onion in Brazil, and their control.
687. DRUMMOND, O. A. Doenças do milho. Ceres [Viçosa] 1:478-482, illus. May/June 1940. 9.2 C332
- Diseases of maize in the State of Minas Gerais, Brazil, and their control: ear rots, smuts, and rusts.
688. DRUMMOND, O. A. As doenças e pragas das plantas e a importância do seu conhecimento e combate. Ceres [Viçosa] 6(31):3-15, illus. Sept./Oct.1944. 9.2 C332
- Plant diseases of Brazil and their control.
689. DRUMMOND, O. A. Uma Dothideacea da flora do litoral brasileiro. Ceres [Viçosa] 5:135, illus. Nov./Dec.1943. 9.2 C332
- Placostroma diplothemii on Diplothemium maritimum.

690. DRUMMOND, O. A. Enrolamento das folhas da cana de açúcar. Ceres [Viçosa] 1:71-73, illus. July/Aug. 1939. 9.2 C332
English summary.
Disease caused by *Myrioglossopora paspali*.
691. DRUMMOND, O. A. A "folha de samambaia" do tomateiro. Ceres [Viçosa] 3:355-390, illus. May/June 1942. 9.2 C332
A virus disease of the tomato.
692. DRUMMOND, O. A. A mancha estilar dos citruss em Minas Gerais. Ceres [Viçosa] 1:344-346, illus. Jan./Feb. 1940. 9.2 C332
Physiological disease of lemons and oranges in the State of Minas Gerais, Brazil.
693. DRUMMOND, O. A. O mildiu da cebola. Ceres [Viçosa] 3:2-10, illus. July/Aug. 1941. 9.2 C332
Downy mildew of onion in the State of Minas Gerais, Brazil.
694. DRUMMOND, O. A., and HIPOLITO, O. Notas sobre a bacteriose da mandioca. Ceres [Viçosa] 2:280-307, illus. Jan./Feb. 1941. 9.2 C332
English summary.
695. DRUMMOND, O. A. Notas sobre as doenças das cebolas e seu combate. Ceres [Viçosa] 2:245-250. Nov./Dec. 1940. 9.2 C332
Includes leaf spot caused by *Macrosporium porri*.
696. DRUMMOND, O. A. Notas sobre o combate à septorise do tomateiro. Rodriguesia 2(No. especial): 333-336. 1936[1937]. 442.8 R61
Control of tomato leaf spot caused by *Septoria lycopersici*.
697. DRUMMOND, O. A. Seca dos galhos da figueira. Ceres [Viçosa] 3:162-164, illus. Nov./Dec. 1941. 9.2 C332
English summary.
Phomopsis cinerescens.
698. DRUMMOND, O. A. A verrugose do abacateiro. Ceres [Viçosa] 1:249-255, illus. Nov./Dec. 1939. 9.2 C332
Sphaceloma perseae.
699. DRUMMOND-GONCALVES, R. A bacteriose da mandioca no vale do Paraíba. Biológico 5:117-118. June 1939. 442.8 B529
700. DRUMMOND-GONCALVES, R. Bacteriose da mandioca. Biológico 14:145-146. June 1948. 442.8 B529
Caused by *Phytophthora manihoti*.
Also in Colheita e Mercados 4(7/8):23-24. July/Aug. 1948. 255.3 Sa652
701. DRUMMOND-GONCALVES, R. Cancro da figueira. Biológico 7:329. Nov. 1941. 442.8 B529
Due to *Phomopsis cinerescens*.
702. DRUMMOND-GONCALVES, R. O controle das doenças e pragas nos vinhedos. Colheita e Mercados 4(1/2):47-48. Jan./Feb. 1948. 255.3 Sa652
703. DRUMMOND-GONCALVES, R. A crespeira do pessegueiro. Biológico 8:21-22, illus. Jan. 1942. 442.8 B529
Taphrina deformans.
704. DRUMMOND-GONCALVES, R. O depercimento e o resurgimento da cultura do marmelo. Soc. Rur. Bras. Rev. 20(241):36-39, illus. Sept. 1940. 9.2 B733
Entomosporyum maculatum.
705. DRUMMOND-GONCALVES, R. Doença da folha do sisal. Biológico 7:296-297. Oct. 1941. 442.8 B529
Virus disease.
706. DRUMMOND-GONCALVES, R. A doença do marmelo e a ação do instituto biológico. Biológico 4:217-219. June 1938. 442.8 B529
Entomosporyum maculatum.
707. DRUMMOND-GONCALVES, R. A doença dos citruss no vale do Paraíba. Biológico 8:199-207, illus. Aug. 1942. 442.8 B529
A disease of the orange tree.
708. DRUMMOND-GONCALVES, R. A entomosporise e o seu combate. Seu combate. Campo 10(120):44-47, illus. Dec. 1939. 9.2 C15
Entomosporyum maculatum.
709. DRUMMOND-GONCALVES, R. A entomosporise e o desaparecimento da cultura do marmelo. Rodriguesia 5:153-157, illus. Aug. 1939. 442.8 B529
Entomosporyum maculatum.
710. DRUMMOND-GONCALVES, R. A entomosporise e o seu combate. São Paulo. Dept. Fom. Prod. Veg., Sec. Fruticult. C. 13:10-17, illus. May 1939. 86 Sa6
Leaf blight of quince caused by *Entomosporyum maculatum*.
711. DRUMMOND-GONCALVES, R. Ferrugem da hortela pimenta. Biológico 9:383-386, illus. Nov. 1943. 442.8 B529
Control of *Puccinia menthae* on peppermint.
712. DRUMMOND-GONCALVES, R. Mancha da base das folhas do sisal. Biológico 6:201-202. July 1940. 442.8 B529
Leaf foot disease in the State of São Paulo, Brazil; virus-induced or brought about by potash deficiency.
713. DRUMMOND-GONCALVES, R. Meios de combate à antracnose da videira. Sítios e Fazendas 8(3):36-37, illus. Mar. 1943. 9.2 S33
Spraying experiments.
714. DRUMMOND-GONCALVES, R. Mildio em sementes de soja. Biológico 7:238. Aug. 1941. 442.8 B529
Peronospora manshurica.
715. DRUMMOND-GONCALVES, R. Murcha bacteriana da batatinha e de outras Solanáceas. Biológico 5:296-297, illus. Dec. 1939. 442.8 B529
716. DRUMMOND-GONCALVES, R., and FRANCO DO AMARAL, J. Murcha bacteriana [*Phytophthora solanacearum*] da batatinha e de outras Solanáceas. Biológico 11:139-140. May 1945. 442.8 B529
717. DRUMMOND-GONCALVES, R. Principais doenças da videira em São Paulo. Biológico 4:8-10, 25-29, 76-82, 115-121, 145-152, 196-200. 1938. 442.8 B529
Anthracnose, downy and powdery mildew, leaf blight, bitter rot, ripe rot, root rot, chlorosis, and red leaf.
718. DRUMMOND-GONCALVES, R., and FRANCO DO AMARAL, J. Rizotoniase em mandioca e podridão das raízes (*Diplodia*) em tungue. Biológico 7:360-361. Dec. 1941. 442.8 B529
719. DRUMMOND-GONCALVES, R. Saporema. Biológico 3:302-305, illus. Oct. 1937. 442.8 B529
Saporema, saporema or saprema are names given to a fungus identical or closely related to *Polyporus saporema* also to the disease of banana roots supposedly due to the *Polyporus* but probably due to other organisms, such as bacteria, nematodes, or fungi (*Fusarium* and *Rosellinia*). Also in Chacaras e Quintais 7:82-83. Jan. 15, 1949. 9.2 C34
720. DRUMMOND-GONCALVES, R. A sarna e a podridão parã do pessegueiro. Biológico 5:17-18. Jan. 1939. 442.8 B529
Cladosporium carpopallium and *Sclerotinia cinerea*.
721. DRUMMOND-GONCALVES, R. Superbrotoamento da mandioca. Biológico 7:329-330. Nov. 1941. 442.8 B529
Cause undetermined. *Rhizopus nigricans* isolated.
722. DRUMMOND-GONCALVES, R. Superbrotoamento ou envassouramento da mandioca. Biológico 8:87-88, illus. Mar. 1942. 442.8 B529
Cause undetermined.
723. DUARTE, M. P. Por que o fumo "batatou?" Bahia Rur. 17:28-30, illus. Jan. 1949. 9.2 B142
In Brazil.
Root knot caused by *Heterodera marioni*.
724. DUCHARME, E. P. Resistance of *Poncirus trifoliata* rootstock to nematode infestation in Argentina. Citrus Indus. 30(5):16-17. May 1949. 80 C49
Infestation of the citrus nematode *Tylenchulus semipenetrans*.
725. DUFRÉNOY, J. 29.9.15. July 1948.
726. DUFRÉNOY, J. Nouvelles utilisations de la canne à sucre et maladie du "chlorotic streak." Rev. Internat. de Bot. Appl. et d'Agr. Trop. 26:467-650. Nov./Dec. 1946. 26 R326
726. DUTHIE, D. W. Coconut wilt in Essequibo and Pomerom districts. Brit. Guiana. Dept. Agr., Agr. J. 9: 147-152. Sept. 1938. 9.6 B774
727. DUFT, K. M. Alternaria species on chili in India. Cur. Sci. 6:96-98. Sept. 1937. 475 Sc123
728. DWYER, R. E. P. The diseases of coconuts (*Cocos nucifera*) in New Guinea. New Guinea Agr. Gaz. 3:28-93, illus. Apr. 1937. 23 N453
A detailed account of the diseases of the coconut palm due to fungi, physiological causes and soil deficiencies.
729. DWYER, R. E. P. Some investigations on coconut diseases, associated with soil conditions in New Guinea. L. New Guinea Agr. Gaz. 5:31-53; 6:2-37, illus. Dec. 1939; Mar. 1940. 23 N453
Physiological diseases (wilts, diebacks, and frond choke) of the coconut palm.
730. EAST AFRICAN AGRICULTURAL RESEARCH STATION. Annual report, 1947. Amant, 1949. 10 p. 108 Ea72
Plant pathology, by R. F. W. Nicholls, p. 8-11.
This and earlier reports, by H. H. Storey, plant pathologist, deal mainly with breeding virus resistant strains of cassava, with brief notes on diseases of sweetpotato, mango, passionfruit, and clove.
731. EBELING, W. Enfermedades que afectan a los citruss y otras plantas subtropicales en Chile. Corp. Frutícola Argentina. Rev. Ofic. 12(138):30-32; (139):11-16, 18-21, 23-24. 1946. 83 C61

732. EDWARDS, W. H. Report on an agricultural survey in the Cayman Islands, with notes on the control of the more important pests and diseases which were found attacking economic plants in that dependency of Jamaica. Jamaica. Dept. Sci. & Agr. B. 13, 40 p., illus. 1938.

732 B
Plant diseases, p. 20-25.

733. EENIGE ziekten en plagen van de druif. Alg. Landb. Wkbl. v. Nederl. Indie 21:528-529. Feb. 20, 1937. 22.5 A13

Oidium tuckeri, Peronospora viticola, and Plasmodiophora vitis.

734. EGUINO Z., A. Mildew de la papa Phytophthora infestans (Mont.) De By. Campo [La Paz] 2(15):10-12, illus. July 1948. 9.1 C15

In Bolivia.
735. EKBOTE, R. B., and KALAMKAR, R. J. Damage to the wheat crop by rust in relation to variety and time of sowing. Indian J. Agr. Sci. 17:297-298. Oct. 1947. 22 A63t

Black stem rust, Puccinia graminis tritici.

736. ELLIOTT, C. Bacterial wilt of sweet corn in Mexico. Phytopathology 28:443-444. June 1938. 464.8 P56

737. EMDEN, J. H. VAN, and REITSMA, J. De blad-pokkenziekte van de thee, 2. Bercultures 18:370-371, 373, 375, 377. Sept. 16, 1949. 22.5 B45

For Pt. 1 see Reitsma, J.

Exobasidium vexans, causal agent.

738. EMMEREZ DE CHARMOY, D. D. Le caractère polyvalent de la mosaïque de la canne à sucre. Rev. Agr. de l'île Réunion 43:8-12. Jan./Feb. 1938. 25 R32

739. EMMEREZ DE CHARMOY, D. D. La lutte contre la mosaïque de la canne à sucre à la Réunion. Rev. Agr. de l'île Réunion 42:1-10. Jan./1937. 25 R32

740. EMMEREZ DE CHARMOY, D. D. Une maladie nouvelle de la canne à sucre à l'île de la Réunion, l'apoplexie (Cephalosporium sacchari Butl.). Agron. Trop. 2:369-374, illus. July/Aug. 1947. 26 A86

741. EMMEREZ DE CHARMOY, D. D. La morve-rouge et l'apoplexie de la canne à sucre. Rev. Agr. de l'île Réunion 45:110-112. July/Sept. 1945. 25 R32

Cephalosporium sacchari.

742. EMMEREZ DE CHARMOY, D. D. Sereh et dégénérescence de la canne à sucre. Rev. Agr. de l'île Réunion 43:129-136, 161-167, 197-201. July-Sept. 1938. 25 R32

743. ENDRINAL, D. M., and CELINO, M. S. Septoria leaf spot of tomato. Philippine Agr. 29:593-610, illus. Dec. 1940. 25 P542

First noted in Los Baños, Laguna, in 1939; attributed to a fungus which is similar to, if not identical with, Septoria lycopersici.

744. ESCALANTE M., J. M. La gomosis en los citrus, del Departamento de Santa Cruz. Campo [La Paz] 2(20): 29-31. Dec. 1948. 9.1 C15

Principally of orange, in the Department of Santa Cruz, Bolivia.

745. ESCOBAR, R. (HIJO). El chapete. Agr. Mex. 59(12):6-7. Dec. 1943. 8 A8

Seed treatment for stinking smut of wheat.

746. ESPINOSA, R. Sobre el problema de los virus vegetales. Arch. Fitotec. Uruguay 3(3):307-313. 1940/41. 102.5 Ur8A

English summary.

747. ESPINOSA B., M. R. Contribución al conocimiento de los hongos chilenos. 15-16. B. Mus. Nac. Chile 16:99-105, illus. 1937. 516 C43B

15. Agaricus arvensis Schaeff.; 16. Clitocybe nebularis (Batsch) Quel.

748. ESTRADA, M. El casagui de la papa. Rev. Mens. B. A. P. 30(357):19, 21-23, illus. Aug. 1947. 9 R326

Phytophthora infestans.

In Argentina.

749. ESTRADA R., N., and VILLAMIL G., F. Experimento de campo sobre el control de nematodos a base de D-D1. Agr. Trop. 4(10):37-40. Oct. 15, 1948. 26 A8

English summary.

750. EVANS, G. Cocoa disease in the Gold Coast. Nature [London] 163:271-272. Feb. 19, 1949. 472 N21

Regarding the report of the Commission of Enquiry into the Swollen Shoot Disease of Cocoa in the Gold Coast (Colon. 236)

751. EVANS, G. Research and training in tropical agriculture. Roy. Soc. Arts J. 87:333-350, illus. Feb. 10, 1939. 501 L847J

At the Imperial College of Tropical Agriculture, Trinidad, with special reference to the diseases of cacao and bananas.

752. EVERAERTS, E. Aide-mémoire pour la détermination des maladies et des ennemis des caféiers. A-F. Agr. et Elevage 11:163-165, 184-185; 12:6-8. 1937-38 25 A64

Note on coffee diseases in the Ruanda-Urundi region, East Africa.

A. Degats aux baies. B. Degats aux feuilles. C. Degats aux fleurs. D. Degats aux rameaux, aux jeunes pousses, aux peduncules, aux glomerules fructiferes. E. Degats aux troncs et aux branches lignifiees. F. Degats aux racines.

753. FAGUNDES, N. B. Cancro da batata (Synchytrium endobioticum (Schilb.) Perc.). B. Fitossanit. 1:37-41, illus. Mar. 1944. 464.9 B732

In Brazil.

754. FAJARDO, T. G. The tomato leafmold (Cladosporium fulvum Cke.), a new serious disease of tomato in Baguio, mountain province. Philippine J. Agr. 8:163-186, illus. 1937. 25 P543

A study of this disease carried on at the Baguio Plant Industry Experiment Station, Philippine Islands.

755. FARIA, R. DE. Citricultura practica. Rio de Janeiro, 1937. 406 p., illus. (pt. col.). 93.33 F22

Diseases, p. 275-279.

756. FAYRET, E. A. Hallazgo de una nueva raza de "Erysiphe graminis hordei." Argentina. Rev. de Invest. Agr. 1:337-340. July 1947. 9 R329

757. FAYRET, E. A. Presencia de la raza 15 de Puccinia rubigo-vera tritici en la Argentina. Argentina. Inst. de Fitotec. P. Tec. 2, 2 p. Buenos Aires, 1947. 464.9 Ar324B

758. FAWCETT, G. L. El "carbón" de la caña de azúcar (Ustilago scitaminea Syd.). Tucumán Estac. Expt. Agr. B. 47, 15 p., illus. Aug. 1944. 102.5 T79B

Result of investigations on smut of sugarcane at the Tucumán Experiment Station in Argentina.

759. FAWCETT, G. L. El "carbón" o "tizón" de la caña de azúcar. Tucumán Estac. Expt. Agr. C. 100; 103, 2 p. each. 1941. 102.5 T79

Ustilago sacchari.

Also in Suelo Argentino 2:405. May 1943. 9 Su2; Rev. Indus. y Agr. de Tucumán 31:383-384. Oct. Dec. 1941. 9 T79

760. FAWCETT, G. L. El "carbón" o "tizón" de la caña en Tucumán. Indus. Azucarera 46:80-81, illus. Feb. 1941. 65.8 In22

Ustilago sacchari.

761. FAWCETT, G. L. La corcova del tabaco y su presencia en las plantaciones de tomates. Tucumán. Estac. Expt. Agr. C. 60, 4 p. 1938. 102.5 T79

Transmitted by Frankliniella paucispinosa.

Also in Rev. Indus. y Agr. de Tucumán 28:173-174, illus. 1938. 9 T79

762. FAWCETT, G. L. El encrespamiento de las hojas de la remolacha y el insecto transmisor. Rev. Indus. y Agr. de Tucumán 18:61-66. 1937. 9 T79

763. FAWCETT, G. L. Una enfermedad común de la vid. Tucumán Estac. Expt. Agr. C. 112, [2] p., illus. 1942. 102.5 T79

Anthracoise of grape; spraying for control.

Also in Indus. Azucarera 46:83-84. Feb. 1943. 65.8 In22

764. FAWCETT, G. L. Modos de combatir la enfermedad del "carbón" o "tizón" de la caña de azúcar en Tucumán. Indus. Azucarera 47:727-728. Nov. 1941. 65.8 In22

765. FAWCETT, G. L. Notas sobre el "carbón" de la caña de azúcar. Tucumán Estac. Expt. Agr. C. 114, 3 p. Nov. 1942. 102.5 T79

Ustilago scitaminea, causal agent.

766. FAWCETT, G. L. Notas sobre la podredumbre de las raicillas o "tristeza" de los naranjos. Rev. Indus. y Agr. de Tucumán 35:33-35. Jan./Mar. 1945. 9 T79

767. FAWCETT, G. L. Una nueva enfermedad de las papas. Tucumán Estac. Expt. Agr. C. 67, 5 p., illus. 1938. 102.5 T79

Virus disease.

Also in Rev. Indus. y Agr. de Tucumán 28:223-225, illus. Oct./Dec. 1938. 9 T79

768. FAWCETT, G. L. Observaciones sobre algunas de las enfermedades presentes en los cítricos de Tucumán. Rev. Indus. y Agr. de Tucumán 29:176-178. July/Sept. 1939. 9 T79

Also as Tucumán Estac. Expt. Agr. C. 77, 5 p. 1939. 102.5 T79

769. FAWCETT, G. L. La "psorosis" en los naranjos de Tucumán. Rev. Indus. y Agr. de Tucumán 28:101-103, illus. Agr. / June 1938. 9 T79

770. FAWCETT, G. L. Sobre algunas enfermedades del algodónero. Gac. Algodonera 12:7-9, illus. Jan. 31, 1937. 72.8 G11

Notes on leaf spot and root diseases of cotton.

771. FAWCETT, G. L. La verrucosis de los cítricos. Rev. Indus. y Agr. de Tucumán 30:227-229, illus. Oct./Dec. 1940. 9 T79

Reprinted as Tucumán Estac. Expt. Agr. C. 94.5 p., illus. 1940. 102.5 T79.

772. FAWCETT, H. S., and BITANCOURT, A. A. As doenças dos citros no estado de Pernambuco. Pernambuco Sec. de Agr., Indús. e Com. B. 2:317-326. Sept. 1937. 9.2 P423

Some of the important Citrus diseases of Brazil considered are root rots, psorosis, chlorosis, melanosis, and scab.

773. FAWCETT, H. S. Novos rumos no combate a psorose dos citros. Biológico 3:81-84, illus. Mar. 1937. 442.8 B529

Also in Rev. Soc. Rur. Bras. 17(21):44-47, illus. May 1937. 9.2 B733.

774. FAWCETT, H. S., and BITANCOURT, A. A. Observaciones sobre las enfermedades de los citros en el Uruguay. Assoc. de Ingen. Agron. Rev. 12(3):3-8, illus. Sept. 1940. 290.9 A573

English summary.

Principal citrus diseases in the Salto region of Uruguay are foot rot and sweet orange fruit scab.

775. FAWCETT, H. S., and BITANCOURT, A. A. Observações sobre as doenças dos citros no Paraguay. Biológico 6:289-296. Oct. 1940. 442.8 B529

English summary.

Major diseases observed in the region surrounding Asunción were foot rot, leprosis, sweet orange fruit scab, cancrrosis B, psorosis of sweet orange, and croch disease of tangerine.

776. FAWCETT, H. S. Observations on citrus conditions in Brazil. Calif. Citograph. 22:456, 459, illus. Aug. 1937. 80 C125

Principal citrus diseases reported: brown rot gummosis or foot rot, psorosis, zonate chlorosis, melanose, stem-end rot, and sweet-orange fruit scab.

777. FAWCETT, H. S., and BITANCOURT, A. A. Occurrence, pathogenicity, and temperature relations of Phytophthora species on citrus in Brazil and other South American countries. Inst. Biol. São Paulo Agr. 11:107-118, illus. 1940(1941). 442.9 A56

Five species isolated and identified, P. citrophthora, P. parasitica, P. cactorum, P. palmivora, P. cinnamomi.

778. FAWCETT, H. S., and BITANCOURT, A. A. Relatório sobre as doenças dos citros nos estados de Pernambuco, Bahia, São Paulo e Rio Grande do Sul. Rodriguesia 3:213-236. Sept./Dec. 1937. 442.8 R61

A report on Citrus diseases in Brazil.

779. FAWCETT, H. S. Visita do Professor Howard S. Fawcett na Associação Citricola de São Paulo. Rev. Citricola 4:4-9, illus. Apr. 1937. 80 R329

Includes address of Professor Fawcett.

780. FEDERATED MALAY STATES. DEPT. OF AGRICULTURE. Annual report, 1948. Kuala Lumpur, 1949. 79 p. 22.5 F31R

Division of plant pathology, p. 49-56. On diseases of oil palm, tea, rice, pineapple, derris, cacao, crucifers, potato, brinjal, tomato, sweetpotato, tapioca, papaya, and strawberry.

Earlier reports are similar with brief notes on diseases of chilli, groundnuts, orange, lemon, lettuce, croatalaria, tomato, and arecanut.

Annual reports for the years 1941-45 are not available.

781. FERNANDES, C. S. O enegrecimento das fibras do caroté e as suas causas. Pernambuco Sec. de Agr., Indús. e Com. B. 1:94-103. Mar. 1945. 9.2 P423

Describes the micro-organisms attacking the fiber.

782. FERNANDES, C. S. O rolamento do broto do sisal. Pernambuco Sec. de Agr., Indús. e Com. B. 11(1/2):60-63, illus. Mar./June 1944. 9.2 P423

783. FERNANDES, J. G. A podridão do bulbo da Palma de Santa Rita, Gladiolus spp., causada por Fusarium sp. Soc. Bras. de Agron. B. 6:11-16. Mar. 1943. 9.2 Sol3

784. FERNANDEZ P., E. La Stibella flavida (ojo de gallo) y forma práctica de comatirla. Inst. de Defensa del Café de Costa Rica. Rev. 7:279-280. Nov. 1938. 68.28 C82

Omphalia flavida.

Also in Rev. Agr. [Managua] 2:53-54. Sept./Dec. 1938. 8 R329.

785. FERNANDEZ ROSEÑADA, M. El tizón tardío en el tomate. Cuba. Min. de Agr. Rev. (ser. 6) 31:51-55, illus. Jan./June 1948. 8 Ag88Re

Produced by the fungus Phytophthora infestans.

786. FERNANDEZ VALIELA, M. V. Informe preliminar acerca de la etiología de la "podredumbre de las raicillas" del naranjo agrio injertado. Argentina. Dir. Gen. de Labs. e Invest. Rev. de Invest. Agr. 2:139-146, illus. July 1948. 9 R329

Investigations begun in 1945 on tristeza disease of Citrus in Argentina in the region of the delta of the Paraná.

787. FERNÁNDEZ VALIELA, M. V. La presencia del Helminthosporium avenae en la República Argentina. Rev. Argentina de Agron. 12:281-284, illus. Dec. 1945. 9 R327

Helminthosporium avenae on oats.

788. FERNÁNDEZ VALIELA, M. V. Los virus que afectan a las plantas. Soc. Argentina de Bot. B. 3:1-19, illus. June 1949. 451 Sol24

789. FERNANDO, M. The incidence of plant disease in Ceylon in relation to environmental factors. Trop. Agr. [Ceylon] 95:72-78. Aug. 1940. 26 T751

The effect of humidity, light, temperature, soil texture, soil reaction, fertilizers, and soil organic matter on plant diseases induced by parasitic organisms.

790. FERNANDO, M. The nature of the mosaic disease of bandakka (Hibiscus esculentus L.). Trop. Agr. [Ceylon] 98:16-24, illus. Jan./Mar. 1942. 26 T751

An okra disease supposedly due to a virus, transmitted by budding.

791. FERNANDO, M. A note on a soft rot of stored mangoes caused by Botryodiplodia theobromae Pat. Trop. Agr. [Ceylon] 89:381-387, illus. Dec. 1937. 26 T751

792. FIELTIZ, F. Enfermedad a ultravirus en las dalias, denominada: clorosis del follaje. Arch. Soc. Biol. Montevideo 8:235-248. Feb. 1938. 442.8 M72

793. FIELTIZ, F., and BERTELLI, J. C. Enfermedad a ultravirus en las plantas "crespadus" de las papas" primera comunicación 1934. Arch. Soc. Biol. Montevideo 8:46-57, illus. June 1937. 442.8 M72

794. FIGUEIREDO JR., E. R. DE, and PEREIRA, H. F. Uma doença grave da berinjela causada por Phomopsis vexans. Biológico 10:349-352, illus. Nov. 1944. 442.8 B529

795. FINDLAY, W. P. K. Resistance to decay.

Empire Forestry J. 21(2):134. 1942. 99.8 Em72

1. Akomu—Pycnanthus kombo—from West Africa. 2. Peroba rosa—Aspidosperma polyeuron—from Brazil. Brief research note on testing resistance of timber trees to decay when exposed to fungi.

796. FISCHER, G. J., SANTORO, R., and AZNAREZ, M. Ensayos de germinación de trigos sometidos a tratamientos anticriptogámicos. Arch. Fitotécnico Uruguay 3: 69-65, illus. 1938. 102.5 Ur8A

English summary.

797. FISCHER, G. J. La lucha contra las royas.

Agronomía [Buenos Aires] 30(15):35-38. May 1937. 9 B864

Factors in solving the problem of rust on wheat (Puccinia graminis): selection of resistant varieties and seed treatment.

798. FISCHER, G. J., and NOLL, W. Marchitamento de Avena provocado por Corticium rolfsii. Rev. Argentina de Agr. 9:244-248. Sept. 1942. 9 R327

799. FLOR C., F. Nuestro campesino debe reconocer los cafetos enfermos. Manabí. Ecuador Consorcio de Cent. Agr. B. 4:42-45. July/Sept. 1942. 9.5 M31

Deals with diseases of the coffeetree in the Province of Manabí, Ecuador, and their control.

800. FLORES R., R. Los papales y sus plagas: la roña de la papa. Rev. de Agr. Com. e Indus. [Panama] 7(77):10. Jan. 1948. 8 R329

801. FLUITER, H. J. DE. De beteekenissen van de structuur (Werksaamheid) van den bouwgrond in verband met het optreden van plantenziekten en beschadigingen. Bergcultures 12:525-532. Apr. 23, 1938. 22.5 B45

Soil environment and its effect on plant diseases. 802. FLUITER, H. J. DE. Enkele mindere bekende wortelschimmels van de erwt. Bergcultures 13: 236-243, illus. Feb. 25, 1939. 22.5 B45

Root diseases of coffee and rubber trees.

803. FLUITER, H. J. DE, and MULHOLLAND, J. J. Gegevens, verkregen bij het onderzoek naar de waardenplanten van Tylenchus coffeae. Bergcultures 15:1588-1593. Nov. 22, 1941. 22.5 B45

Nematode diseases of the coffeetree.

804. FLUITER, H. J. De. *Helicobasidium compactum* Boedijn als parasitaire wortelschimmel van *Hevea brasiliensis*. *Bergcultures* 13:392-398, illus. Apr.1, 1939. 22.5 B45
- A root disease of the rubber tree.
805. FLUITER, H. J. DE. Mouldy-rot, geconstateerd in het ressort van het besedeijk proefstation. *Bergcultures* 11:945-946. June 26, 1937. 22.5 B45
- Mouldy rot on rubber trees in Java.
806. FLUITER, H. J. DE. Over het voorkomen van "mouldy rot" op Java. *Bergcultures* 13:148-149. Feb. 4, 1939. 22.5 B45
- Rubber tree disease in Java.
807. FLUITER, H. J. DE. Proeven en waarnemingen in verband met de bestrijding van het bruinvlek, *Alternaria longipes* (Ell. et Ev.) Mason, Besedeijk Proefstation. *J. Tava Meded.* 65:1-40, illus. 1939. 109.5 B46M
- Tobacco diseases caused by *Alternaria longipes* and their control.
808. FLUITER, H. J. DE. Resultaten, verkregen bij het beplanten van met aaltjes besmette terreinen. *Bergcultures* 11:1226-1232, illus. Aug. 21, 1937. 22.5 B45
- Effects of *Tylenchus pratensis* on coffee.
809. FLUITER, H. J. DE. Wortelschimmel en heveaherontginningen. *Bergcultures* 12:1256-1266. Sept. 10, 1938. 22.5 B45
- Root diseases of the rubber tree due to the fungus, *Fomes lignosus*.
810. FONZO, M. A. DI. Antecedentes sobre la "royal" del algodón en la Republica Argentina. Junta Nacional Algodón B. Mens. 73:419-420, illus. May 1941. 72.9 Ar3
- Cercetium desmum.
811. FONZO, M. A. DI. La antracnosis del algodón. Campo y Suelo Argentino 30, i.e. 31(368):30-34, illus. June 1947. 9 C15
- Trabajo presentado por su autor en el Tercer Congreso Algodonero Argentino, realizado en Santiago del Estero los días 22 al 29 de agosto de 1943.
- Also in Suelo Argentino 3:16-17, illus. Jan. 1944. 9 Su2
812. FONZO, M. A. DI. Le bacteriosis del algodonnec (mancha angular de la hoja). *Argentina. Junta Nacional Algodón P.* 47, 27 p., illus. (pt. col.). Aug. 1939. 281.3729 Ar3
- Angular leaf spot of cotton in Argentina caused by *Pseudomonas maltvarum*.
813. FONZO, M. A. DI. Cómo evolucionó la "machitez" del algodonnec. Suelo Argentino 3:456-457, illus. July 1944. 9 Su2
- Fusarium vasinfectum, the cause of cotton wilt.
814. FONZO, M. A. DI. La desinfectación de la semilla de algodón y otros factores relacionados con su poder germinativo. *Argentina. Junta Nacional Algodón P.* 53, 15 p. July 1941. 281.3729 Ar3
815. FONZO, M. A. DI. Las enfermedades del algodón en la Republica Argentina. *Argentina. Junta Nacional Algodón B. Mens.* 80:951-978, illus. (pt. col.). Dec. 1941. 72.9 Ar3
- Reprinted in Argentina. Junta Nacional Algodón P. 58, 30 p. Feb. 1942. 281.3729 Ar3
816. FONZO, M. A. DI. La hoja plateada del algodón. *Argentina. Junta Nacional Algodón B. Mens.* 72:303-304, illus. Apr. 1941. 72.9 Ar3
- Physiological disease of cotton.
817. FONZO, M. A. DI. La humedad de la semilla del algodonnec relacionada con su poder germinativo y con la presencia del *Aspergillus wentii*. *Argentina. Junta Nacional Algodón B. Mens.* 85:86:156-168, illus. May/June 1942. 72.9 Ar3
- The pathogenicity of the fungus *Aspergillus wentii* increased or decreased on the high moisture content of the cottonseed; germinability of the seed was lowered for the same reason.
818. FONZO, M. A. DI. Informe sobre "la machitez del algodonnec en la Republica Argentina." *Argentina. Junta Nacional Algodón B. Téc.* 5, 11 p., illus. (pt. col.). Nov. 1938. 72.9 Ar3B
- Fusarium vasinfectum.
819. FONZO, M. A. DI. Parasitos que debe conocer el agricultor algodonnec. Suelo Argentino 2:785-784, illus. Oct. 1943. 9 Su2
- Seed treatment advised.
820. FORBES, A. P. S. A common citrus disease in Nyasaland. *Agr. Q. J.* 4:6-8. Oct. 1944. 24 N983
- Symptoms of mottled leaf disease; control measures.
821. FORBES, A. P. S. Some observations on the "yellow" sulphur deficiency disease of tea. *Nyasaland Agr. Q. J.* 2(3):20-26. July 1942. 24 N983
822. FORBES, A. P. S. Some tung oil diseases in Nyasaland. *Nyasaland Tea Assoc. Q. J.* 4(4):6-10. June 1940. 68.18 N98
- Leaf and stem diseases; dieback of transplanted seedlings; root diseases, and collar rot.
823. FORD, C. E. Experiments on the control of bark rot. Rubber Res. Scheme, Ceylon Q. C. 21:29-34. Dec. 1944. 78.9 C33Q
- Phytophthora sp., the fungal cause of this disease of rubber trees.
824. FORSTER, R., and COSTA, A. S. Nota preliminar sobre a molestia "vira-cabeça" do fumo. *Rev. de Agr. [Pracibacaba]* 13:69-78, illus. Jan./Feb. 1938. 9.2 R324
- English summary.
- An important virus disease of tobacco, commonly known as "crooked top."
825. FORSTER, R. Restabelecimento ("recovery") em plantas de fumo atacadas pelo virus de "viracabeça." *Bragantia* 2:499-514, illus. Dec. 1942. 102.5 B73Tb
- English summary.
- Resistance to spotted wilt disease.
826. FORTES, J. G. Em torno do controle do "anel vermelho" do coqueiro. *Pernambuco, Sec. de Agr., Indus. e Com. B.* 15:45-47, illus. Jan./Mar. 1948. 9.2 P423
- Red ring of the coco palm in Brazil; caused by the nematode *Aphelenchoides coquillius*.
827. FOSTER, H. H., GARCIA FORTUÑO, M., and IRIZARRY RUBIO, G. Notes on diseases, decays, and disorders of tobacco in Puerto Rico during the 1941-42 season. *Plant Dis. Rptr.* 26:247-253, illus. June 15, 1942. 1.9 P69P
828. FOSTER, H. H., VÉLEZ FORTUÑO, J., and IRIZARRY RUBIO, G. Notes on tobacco and tobacco diseases in Puerto Rico during the early part of the 1942-43 season. *Plant Dis. Rptr.* 27:8-11. Jan. 15, 1943. 1.9 P69P
- Experimental work at main station of the tobacco Institute at Rio Piedras, Puerto Rico, and at the La Plata and Caguas sub-stations on soil-borne, virus, and leaf spot diseases.
829. FRANCIS, C. B. Sugarcane smut. *Madras Agr. J.* 26:468-474. Dec. 1938. 22 M262
- Ustilago scitaminea.
830. FRANCO, A., and FERREIRA, C. A podridão poduncular das laranjas. Estudo estatístico sobre o emprego do borax e da tesoura. *Rodrigueia* 2:295-300. 1936 [1937]. 442.8 R61
831. FRANCO, C. M., and BACCHI, O. Investigações sobre a "tristeza" dos citrú. *Bragantia* 4:541-551. Sept. 1944. 102.5 B73Tb
- English summary.
1. Alterações da pressão osmótica.
832. FRANCO DO AMARAL, J. Doenças vasculares das plantas causadas por bactérias. *Biológico* 11:250-253, illus. Sept. 1945. 442.8 B529
833. FRANCO DO AMARAL, J. Estudo do organismo causador da bacteriose da mandioca. *Inst. Biol. São Paulo Arq.* 13:119-126, illus. Dec. 1942. 442.9 Sa6
- English summary.
- Phytophthora sp.
834. FRANCO DO AMARAL, J. Ferrugem (Uromyces) da mandioca. *Biológico* 8:148. May 1942. 442.8 B529
- Uromyces manihotis.
835. FRANCO DO AMARAL, J. Fungo (Cylindrocycladium) atacando mudinhas de Eucalyptus. *Biológico* 8:148. May 1942. 442.8 B529
- Causes necrosis of the trunk; brief account.
836. FRANCO DO AMARAL, J. Mancha da folha (Laestadia) do bordo. *Biológico* 7:328. Nov. 1941. 442.8 B529
- Laestadia aciferia.
837. FRANCO DO AMARAL, J., and VASCONCELLOS, L. G. DE. Novos estudos do agente etiológico da bacteriose da mandioca. *Inst. Biol. São Paulo Arq.* 16:361-368, illus. Dec. 1945. 442.9 Sa6
- English summary.
- Phytophthora manihotis.
838. FRANCO DO AMARAL, S. A poda da laranja em no tratamento da leprose. *Biológico* 7:183-186, illus. July 1941. 442.8 B529

839. FRANÇOIS, E. Ungrave péril La "mosaïque" du manioc. Agron Colon. 26:33-38. Aug. 1937. 26 Ag812
- Mosaic disease of cassava in Madagascar.
840. FRANÇOIS, E. La mosaïque du manioc. Les pertes qu'elle occasionne et les moyens de lutte qui pourraient intervenir pour écarter cette maladie. B. Econ. Madagascar (n.s.) 10:147-153. 1937. 270 M26Bu
841. FRANSSEN, C. J. H., and MULLER, H. R. A. Plagen en ziekten van het katongewas op Java. Landbouw 14:321-362, illus. May/June 1938. 22.5 L23
842. FRAPPA, C. Sur une affection de l'Aleutric fordi dans les plantations de l'Itasy. Madagascar. Insp. Gén. des Serv. Agr. B. Agr. 1(4):24-25. Oct. 1948. 25 M26
- Cause undetermined.
843. FRAZER, S. P. Prevención y cura del tizon tardío. Control de Plagas 10:22-24. Feb. 1948. 464.8 C76
- Phytophthora infestans.
844. FRAZIER, W. A., HENDRIX, J. W., and KIKUTA, K. Breeding rust resistant pole green beans for Hawaii. Amer. Soc. Hort. Sci. Proc. 51:468-470. June 1948. 81 So12
845. FRAZIER, W. A., KIKUTA, K., and HENDRIX, J. W. Breeding tomatoes for combined resistance to Fusarium wilt, spotted wilt, and gray leaf spot in Hawaii. Amer. Soc. Hort. Sci. Proc. 49:235-240. June 1947. 81 So12
846. FRAZIER, W. A., and HENDRIX, J. W. Hawaiian Wonder, new rust-resistant pole green bean. Hawaii. Agr. Expt. Sta. C. 28,7 p., illus. Oct. 1949. 100 H313
847. FRESA, R. Algunas enfermedades del manzano en el delta del Paraná. Campo [Buenos Aires] 28(333): 38-39, illus. July 1944. 9 C15
- Description of symptoms of black canker, downy mildew, and anthracnose of apple, occurring in the delta of Paraná, Argentina; control measures.
848. FRESA, R. Aplicación del auto-hervido (azufre- cal) en la fruticultura de la zona del delta del Paraná. Argentina. Min. de Agr. Almanaque 16:399-401, illus. 1941. 9 Ag874
- For control of peach scab.
849. FRESA, R. Enfermedades en frutales del Delta. Suelo Argentino 3:18-19,65, illus. Jan. 1944. 9 Su2
- Brief descriptions of symptoms of smut of quince and "split" of orange.
850. FRESA, R. "Frosty mildew" [Cercospora persicae] del duraznero en el delta del Paraná (Argentina). Rev. Argentina de Agron. 10:231-234, illus. Sept. 1943. 9 R327
851. FRESA, R. El nematode de las raíces de los cítricos. Suelo Argentino 2:695-696, illus. Sept. 1943. 9 Su2
- History and geographic distribution; description of symptoms and parasite.
852. FRESA, R. "Oidio" o "blanco" de las plantas cultivadas. Argentina. Min. de Agr. Almanaque 18:103-105, illus. 1943. 9 Ag874
- Powdery mildew on peach, apple, grape, walnut, and rose.
853. FRESA, R. "Podredumbre morena" [Sclerotinia fruticola] de los durazneros y ciruelos en el delta del Paraná. Rev. Argentina de Agron. 12:22-25. Mar. 20, 1945. 410 R327
- English summary.
854. FRESA, R. La presencia de "Entomosporium maculatum," parásito del manzano, en el Delta del Paraná. Rev. Argentina de Agron. 6:53-56, illus. Mar. 1939. 9 R327
855. FRESA, R. La presencia del nemátodo Tylenchulus semipenetrans Cobb en las raíces de los cítricos. Physis 19:348-354, illus. Sept. 1943. 516 So12
- In the Delta of Paraná, Argentina.
856. FRESA, R. Royas que atacan al álamo híbrido italiano "Arnaldo Mussolini" en el delta del Paraná (Argentina). Rev. Argentina de Agron. 8:19-24, illus. Mar. 1941. 9 R327
- Melampsora larici-populina and possibly M. albertensis.
857. FRESA, R. "Sarna" del manzano en la zona del delta del Paraná. Suelo Argentino 1:32-33,66, illus. Jan. 1942. 9 Su2
- Produced by Fusicladium dendriticum.
- Also in Campo [Buenos Aires] 27(324):48-49. Oct. 1943. 9 C15
858. FREZZI, M. J. Contribución al estudio del "damping-off" o enfermedad de los almácigos en la República Argentina. Argentina. Inst. de Sanid. Veg. [P.], Ser. A, 3(30):40 p., illus. 1947. 464.9 Ar323
859. FREZZI, M. J. Muerte del tamarisco, ocasionada por "Botryosphaeria tamaricis," en Corrientes, Argentina. Rev. Argentina de Agron. 9:110-113, illus. June 1942. 9 R327
- Canker of tamarisk.
860. FREZZI, M. J. Phytophthora boehmeriae, causante de la podredumbre morena de los frutos cítricos, en la República Argentina. Rev. Argentina de Agron. 8:200-205, illus. Sept. 1941. 9 R327
- Description of the fungus.
861. FREZZI, M. J. "Phytophthora citrophthora," causante de la podredumbre del pie del naranjo y la gomosis del tronco del limonero, en Corrientes. Rev. Argentina de Agron. 7:165-171, illus. Sept. 1940. 9 R327
- Study of the characteristics of the fungus, infection trials, and control of the disease in the Province of Corrientes in Argentina.
862. FREZZI, M. J., and MACOLA, T. La podredumbre del pie de los cítricos en la provincia de Córdoba, Argentina; importancia, etiología y medios de lucha. Rev. Argentina de Agron. 12:203-211. Sept. 1945. 9 R327
- Caused by Phytophthora parasitica.
863. FREZZI, M. J., and MACOLA, T. "Phytophthora palmivora," causante de la "podredumbre morena" de los frutos cítricos en Córdoba (Argentina). Rev. Argentina de Agron. 10:227-230, illus. Sept. 1943. 9 R327
864. FREZZI, M. J. Podredumbre del pie del naranjo (gomosis). Rev. Mens. B. A. P. 23:15-19, illus. July 1940. 9 R326
- In Argentina.
- Produced by Phytophthora parasitica.
865. FREZZI, M. J. Podredumbre del pie del naranjo (gomosis) en Bella Vista (Corrientes), La Plata. U. Nac. Facul. de Agron. Rev. (ser.) 3:22:147-154, illus. 1938. 9 R32
- Investigations carried out in the Phytopathological Laboratory of Bella Vista (Corrientes), Argentine Republic.
- Also published as Argentina. Min. de Agr. de la Nac. B. Frutas y Hortalizas 5(42):8 p., illus. Feb. 1940. 286.83 Ar32
866. FREZZI, M. J. Podredumbre morena de los frutos cítricos y parásitos que la producen en Corrientes, Argentina. Rev. Argentina de Agron. 9:216-220, illus. Sept. 1942. 9 R327
- Phytophthora boehmeriae, P. citrophthora, P. megasperma, and P. parasitica were isolated from brown rot of Citrus and are the causal organisms.
867. FREZZI, M. J. Podredumbre morena o "brown rot" de los frutos cítricos y los hongos que la producen en Corrientes (Rep. Argentina). 9 p., illus. Mexico, D. F., 1943. 464.06 F89
- Produced by four species of Phytophthora: P. parasitica, P. citrophthora, P. boehmeriae, and P. megasperma.
868. FREZZI, M. J. La presencia del Fusarium bulbigenum v. blaseri en la República Argentina. Physis 15:87-97, illus. Mar. 31, 1939. 516 So12
- The cause of damping-off disease of pine seedlings.
869. FRIAS SILVA, J. Recomendaciones y gestiones de la Estación Experimental Agrícola relativas al "carbón" de la caña de azúcar. Tucumán. Estac. Expt. Agr. C. 122,6 p. 1943. 102.5 T79
870. FRITZ, A. Les taches des grains de café. Ann. Agr. Afrique Occid. 1:99-109. Jan. 1947. 24 An7
- Omphalia flavida, Cercospora coffeicola.
871. FUENTES NOVELLA, A. Enfermedades de los cítricos. Rev. de Agr., Com. e Indus. [Panama] 7(84):44-46, Aug. 1948. 8 R3291
- Chlorosis and mottle-leaf.
872. GADD, C. H. "Bitten-off" disease of tea seedlings. Ceylon Tea Res. Inst. Tea Q. 13:54-58, illus. July 1940. 68.18 C33
- Physiological.
873. GADD, C. H. The collection of blistered leaves. Ceylon Tea Res. Inst. Tea Q. 13:17-20. May 1947. 68.18 C33
- Exobasidium vexans.
874. GADD, C. H. Compost and disease. Ceylon Tea Res. Inst. Tea Q. 10:93-100. July 1937. 68.18 C33
- The relationship between soil environment and tea diseases.
875. GADD, C. H. A destructive root disease of tea caused by the nematode Anguillula pratensis. Ceylon Tea Res. Inst. Tea Q. 12:131-139, illus. Sept. 1939. 68.18 C33
- Reprinted in Planters' Chron. 34:701-706. Nov. 11, 1939. 22 P693

876. GADD, C. H. Disease in non-productive bushes. Ceylon Tea Res. Inst. Tea Q. 12:75-86, illus. (plates). June 1939. 68.18 C33
- Phloem necrosis
877. GADD, C. H. Disease problems. Ceylon Tea Res. Inst. Tea Q. 19:61-64. July 1947. 68.18 C33
- Nematodes and phloem necrosis of tea.
878. GADD, C. H., and LOOS, C. A. The fungus *Exobasidium vexans*. Ceylon Tea Res. Inst. Tea Q. 20:54-61, illus. June 1949. 68.18 C33
879. GADD, C. H. A leaf-fall disease of Grevilleas. Ceylon Tea Res. Inst. Tea Q. 10:156-159. Oct. 1937. 68.18 C33
- Phyllosticta possibly the cause.
880. GADD, C. H., and LOOS, C. A. Lily mosaic. Trop. Agr. [Ceylon] 94:160-167, illus. Mar. 1940. 26 T751
- Description of mosaic disease of Easter lilies in Ceylon; virus transmission.
881. GADD, C. H. Root knot of Tephrosia. Ceylon Tea Res. Inst. Tea Q. 10:183-187. Dec. 1937. 68.18 C33
- Eelworm disease of Tephrosia plants, caused by the nematode *Heterodera marioni*.
882. GADD, C. H. The treatment of Poria root disease of tea. Ceylon Tea Res. Inst. Tea Q. 10:36-45. Mar. 1937. 68.18 C33
- Ausaged by *Poria hypoleuteria*.
883. GADD, C. H., and LOOS, C. A. A virus disease of Catechu caused by conyzoids and tobacco. Trop. Agr. Ceylon 96:255-264, illus. May 1941. 26 T751
- The disease of this common weed of Ceylon, has as its principal symptom yellow vein-banding. It is transmitted to tobacco by white flies. The eradication of the weed from tobacco areas is recommended as a control measure.
884. GADD, C. H. A virus disease of tea. Ceylon Tea Res. Inst. Tea Q. 12:110-130, illus. Sept. 1939. 68.18 C33
- Phloem necrosis.
885. GALANO, R. M. J. La "antracnosis" del rosál. Rev. Hort. [Buenos Aires] 5(58):17-19. Dec. 1939. 8 R3252
- Due to *Sphaelotheca rosarum*.
886. GALANO, R. M. J. Una enfermedad del rosál: "el blanco." Rev. Hort. [Buenos Aires] 5:9-11. May 1939. 8 R3252
- Powdery mildew of rose and its control; causal organism, *Sphaerotheca panosa*.
887. GALANO, R. M. J. La mancha amarilla del clavel. Septoria dianthi Desm. Rev. Hort. [Buenos Aires] 5(60):6-7. Feb. 1940. 8 R3252
- Yellow spot of carnation and its control; caused by *Septoria dianthi*.
888. GALANO, R. M. J. La mancha de las hojas. Enfermedad de los Iris. Rev. Hort. [Buenos Aires] 5(59):9-11. Jan. 1940. 8 R3252
- Didymellina Iridis* (*Heterosporium gracile*), fungal agent causing leaf spot of iris.
889. GALANO, R. M. J. El "tizón" del tallo del rosál. Campo y Aradas 7(82):25. Dec. 1943. 9.9 C152
- Caused by *Coniophthium fuckelii*.
- Also in Rev. Hort. 5(56):9-10. Oct. 1939. 8 R3252
890. GALLARDO, M. M. Some observations in plants on the production of tumorous growths simulating those of cancer. Philippine U. Nat. & Appl. Sci. B. 7:59-66. July 1939. 475 B32
891. GAMA, F. C. O resurgimento do marmeleiro português em São Paulo. Rev. Agron. [Rio Grande do Sul] 7:127-128, illus. Mar. 1943. 9.2 R325
- By control of *Entomosporium maculatum*.
892. GANGULY, D. Helminthosporium disease of paddy in Bengal. Sci. & Cult. 12:220-223. Nov. 1946 475 Sc14
- Helminthosporium oryzae.
893. GARCES OREJUELA, C. Enfermedades de la papa y plan de defensa y mejoramiento del cultivo. Soc. Antioqueña de Agr. B. Agr. 338/342:2977-2991. Aug./Dec. 1947. 9.4 Sol
- In Colombia.
894. GARCES OREJUELA, C. Enfermedades del cacao en Colombia. Bogotá, Imprenta Nacional, 1940. 61 p., illus. 464.09 G16
895. GARCES OREJUELA, C. La escoba de bruja [Marasmius pernicius] del cacao. Colombia U. Nac. Facul. Nac. de Agron. Rev. 6:329-369. Dec. 1946. 9.4 C717
- Describes a number of new species and a new genus (*Phaeotrabutia*, P. isabaele).
897. GARCES OREJUELA, C. Informe preliminar sobre la gomosis de los pastos micay e imperial o gramalote en Colombia. Colombia U. Nac. Facul. Nac. de Agron. Rev. 7(25):1-23. 1947. 9.4 C717
- Mosaic of *Axonopus*.
898. GARCES OREJUELA, C. Informe sobre cacao. Colombia U. Nac. Facul. Nac. de Agron. Rev. 5:249-262. 1944. 9.4 C717
- Deals chiefly with diseases of cacao in Colombia.
899. GARCES OREJUELA, C. Informe sobre la situación patológica de los cacaotales en los departamentos de Valle y Cauca. Colombia U. Nac. Facul. Nac. de Agron. Rev. 4:1280-1300. 1941. 9.4 C717
- Describes diseases of cacao in Colombia.
900. GARCES OREJUELA, C. Naturalaleza de la resistencia a la enfermedad, en las plantas. Colombia U. Nac. Facul. Nac. de Agron. Rev. 10:334-358. Dec. 1949. 9.4 C717
901. GARCES OREJUELA, C. New or heretofore unreported species of the higher Ascomycetes from Colombia and Venezuela. Mycologia 36:429-459. Sept./Oct. 1944. 450 M99
- A correction in Mycologia 37:389-390. May/June 1945.
902. GARCES OREJUELA, C. Preliminares al estudio del chancro y de fusarios en el cacao. Colombia U. Nac. Facul. Nac. de Agron. Rev. 1:64-118, illus. Aug. 1939. 9.4 C717
- Phytophthora faberi, Fusarium orthoceras var., fungal agents respectively of canker and Fusarium of cacao.
903. GARCIA A., A. Gomosis esclerotinosa en los Citrus. Chile. Dept. de Sanid. Veg. B. de Sanid. Veg. 3:31-32. June 1943. 464.9 C432B
- Cottony rot of lemon.
904. GARCÍA PAREDES, V. Enfermedades criptogámicas de algunas plantas de Yungas. GEO, Agr., Colon. y Ramas Anex. 4(16):1-5, illus. 1938. 9.1 C712
- Bolivian plant diseases including diseases of lemon, coffee, mango, and banana.
905. GARCÍA RADA, G. El control de la Cuscuta en el lino. [Peru] Dir. de Agr. y Ganad. Inform. Agropecuario 11/12:333-336. Sept./Oct. 1942. 9.8 P431
906. GARCÍA RADA, G. Control of peach powdery mildew [*Sphaerotheca pannosa persicae*] in Peru. Plant Dis. Rptr. 32:319-320. July 15, 1948. 1.9 P69P
907. GARCÍA RADA, G. La enfermedad de la "antracnosis del mango." Lima, Peru, Estac. Expt. Agr. de La Molina C. 50,7 p., illus. Dec. 1939. 102.5 L622
- Produced by *Colletotrichum gloeosporioides*.
908. GARCÍA RADA, G. La enfermedad de la "podredumbre negra" del camote. Lima, Peru, Estac. Expt. Agr. de La Molina, Informe 46,5 p., illus. (col.). June 1938. 102.5 L622in
- Brown rot of sweetpotato caused by *Sphaeronema fimbriatum*.
909. GARCÍA RADA, G. La enfermedad del mildiú u oídio del melocotonero en Arequipa. Lima, Peru, Estac. Expt. Agr. de La Molina, Informe 45,11 p., illus. Mar. 1938. 102.5 L622in
910. GARCÍA RADA, G. Fitopatología agrícola del Peru. Lima, Estac. Expt. Agr. de La Molina, 1947. 423 p., illus. (col.). 464 G162
911. GARCÍA RADA, G., and STEVENSON, J. A. La flora fungosa peruana. Lista preliminar de hongos que atacan a las plantas en el Peru. Lima, Estac. Expt. Agr. de La Molina, 1942. 112 p. 462.18 L62
912. GARCÍA RADA, G. El mildiú de la lechuga. Lima, Peru, Estac. Expt. Agr. de La Molina, C. 49,8 p., illus. Nov. 1939. 102.5 L622
- Downy mildew of lettuce produced by *Bremia lactucae*.
913. GARCÍA RADA, G. Una nueva enfermedad del café. "fusariosis." Lima, Peru, Estac. Expt. Agr. de La Molina, B. 20,7 p., illus. Agr. 1940. 102.5 L622B
- Due to a species of *Fusarium*.
914. GARCÍA RADA, G. Nuevo método de control de la "chupadera fungosa" en los almacigros. Lima, Peru, Estac. Expt. Agr. de La Molina, C. 45,10 p., illus. Oct. 1938. 102.5 L622
- Mainly *Rhizoctonia* and *Pythium*.
915. GARCÍA RADA, G. Principales enfermedades del algodonero en el Peru. Lima, Peru, Estac. Expt. Agr. de La Molina, C. 56,14 p., illus. (col.). Nov. 1940. 102.5 L622
- Includes wilt, damping-off, mildew, and leaf spot.

916. GARCÍA RADA, G. La psoropsis del naranjo. Lima, Peru. Estac. Expt. Agr. de La Molina. Informe 62, 19 p., illus. 1946. 102.8 L622n
917. GARCÍA RADA, G. La roya negra del trigo. Agronomía [La Molina] 3(8):23-43, illus. Apr. 1938. 9.8 Ag83
- The problem of rust on wheat in Peru.
918. GEHLSSEN, C. A. Die krankheiten der avocado-birne (*Persea gratissima*). Tropenpflanzer 41:71-75. Feb. 1938. 26 T75
- Includes gummosis, mosaic disease and anthracnose of avocado.
919. GHATAK, P. N. Investigations on orange rot in storage. I. Orange rot due to two strains of *Fusarium moniliforme* Sheldon. Indian Bot. Soc. J. 17:141-148, illus. June 1938. 450 J821
920. GHATAK, P. N., and ROY, T. C. Studies in the soil fungi of the paddy-fields of Bengal. I. Fungi of an unmanured paddy-field of the Chinsurah agricultural farm. Indian Bot. Soc. J. 18:113-127, illus. Nov. 1939. 450 J821
- List of the fungi isolated from the paddy-field of the Chinsurah Agricultural Farm near Calcutta; description of species.
921. GHESQUIERE, J. Le folletage parasitaire ou pourriture blanche des cacaos du caféier. Agr. et Elevage 12:3-4. Jan. 1938.
- Rigidoporus microporus (*Fomes lignosus* or *F. semitostus*), cause of root rot of coffee.
922. GHESQUIERE, J. Maladies cryptogamiques des caféiers au Kivu. Agr. et Elevage 11:41-42. Mar. 1937. 26 Ag84
- A note especially on anthracnose disease of coffee in Kivu, East Africa.
923. GHOSH, L. M., and others. Actinomyces: their biochemical reactions as aids in their classification. I. Reduction of nitrates. Indian Bot. Soc. J. 17:279-286. Dec. 1938. 450 J821
- S. Ghosh, N. R. Chatterjee, and A. T. Dutt, joint authors.
924. GIÁNCOLA, C. A. Enfermedades de virus de la papa. Inst. Agr. Argentino Reseñas 4(26):19-21. 1944. 281.9 B862
- In Argentina.
925. GILLET, S. Report on a visit to the coffee growing centers in Jamaica, Costa Rica, and Colombia. Coffee Bd. Kenya, Mon. B. 6:24-27, 40-42, illus. Feb.-Mar. 1940. 68.29 C652
- Diseases and pests, p. 27, 41.
926. GILLET, S. Results and observations of spraying trials using Bordeaux mixture on coffee at the Scott Agricultural Laboratories, Kenya Colony. Coffee Bd. Mon. B. 7:30-31. Mar. 1942. 68.29 C652
- Use in control of leaf fall.
927. GINAI, M. A. A note on Botrytis-rot of grapes in the Quetta Valley. Indian J. Agr. Sci. 9:719-725, illus. Oct. 1939. 22 Ag81
- Mainly description and characters of the fungus *Botrytis vulgaris* causing gray rot of grape.
928. GINAI, M. A. A species of *Phyllactinia* occurring on almond (*Prunus amygdalus*). Indian J. Agr. Sci. 10:96-97, illus. Feb. 1940. 22 Ag831
- Phyllactinia salmolinii*.
929. GIRALDI, C. A. Enfermedades del naranjo. Rev. de Agr. [San José] 20:181-183. Apr./May 1948. 8 E51
- In Costa Rica.
930. GOBBATO, C. Principaes pragas e molestias das vides cultivadas no Rio Grande do Sul. Rodriguesia 2(no. especial):187-190. 1936[1937]. 442.8 R61
- In Brazil.
- Diseases caused by 1. Weather injuries. 2. Animal parasites. 3. Plant parasites.
931. GODOY, E. F. Epifitologia del "tizón" de la papa en zona papera "Sudeste" de la provincia de Buenos Aires. La Plata, U. Nac. Facul. de Agron. Rev. 25:97-139, illus. Dec. 29, 1943. 9 R32
- Late blight of potato caused by *Phytophthora infestans*.
932. GODOY, E. F., and COSTE, A. D. El "mildew" del tabaco en la region tabacalera de Salta. Rev. Argentina de Agron. 7:221-227, illus. Sept. 1940. 9 R327
- Brief English summary.
- Peronospora nicotiana.
933. GODOY, E. F. El "mildew" o "tizón" del pimiento producido por la *Phytophthora capsici* en la Republica Argentina. La Plata U. Nac., Facul. de Agron. Rev. III, 24:235-280, illus. 1939[1940]. 9 R32
- English summary.
934. GODOY, E. F. El Oidium del tomate. Su presencia en la Argentina. Rev. Argentina de Agron. 6:49-52, illus. Mar. 1939. 9 R327
- Powdery mildew of tomato produced by a fungus of the genus *Oidium*.
935. GODOY, E. F. El quemado del arroz producido por el hongo *Piricularia oryzae* Br. y Cav. Argentina. Min. de Agr. Almanaque 17:265-269, illus. 1942. 9 Ag874
- In the Provinces of Salta, Jujuy and Tucumán, in Argentina.
936. GOENAGA, A. Una interesante enfermedad del tabaco en Puerto Rico. P. R. Dept. de Agr. y Com. B. Mens. 4:1-2, 4-8. Oct. 1945. 8 P963
- Tobacco mosaic; a study from the Tobacco Institute at Rio Piedras.
937. GOENAGA, A. Notes on diseases of tobacco observed in Puerto Rico during the 1944-45 season. Plant Dis. Rptr. 29:311-314. Apr. 7, 1945. 1.9 P69
938. GOHIER, C. Note sur la maladie du rabougrissement ou rosette de l'arachide à Madagascar. Rev. Internat. de Bot. Appl. et d'Agr. Trop. 26:638-641. Nov./Dec. 1946. 26 R323
939. GOLD COAST, DEPT. OF AGRICULTURE. Report, 1947/48. Accra, 1948. 14 p. 24 G56
- Cocoa diseases of control and rehabilitation, p. 8-9.
- Earlier reports on swollen-shoot disease of cacao with brief notes on diseases of tobacco, citrus, coconuts, and limes.
940. GOLE, H. V. Personal experiences in the control of grape vine mildew. Agr. & Livestock in India 9:155-156. Mar. 1939. 22 Ag83A
- Downy mildew of grape and its control in India; fungicides.
941. GOMEZ ALVAREZ, R. El origen de las manchas y roaduras del aguacate. Panama, Min. de Agr. y Com. Rev. de Agr. y Com. 6(62):40-42. Oct. 1946. 8 R3291
942. GOMEZ MENOR, J. Enfermedades del plátano, del guineo y del rulo. Rev. de Agr. [República Dominicana] 30:340-342, illus. Mar. 1939. 8 R323
- In the Dominican Republic.
943. GONÇALVES, C. R. Considerações sobre a transmissão de doenças das plantas pelos insetos. Rodriguesia 2(no. especial):121-129, illus. 1936[1937]. 442.8 R61
944. GONÇALVES, C. R. Observações sobre *Pseudococcus comstocki* (Kuw., 1902) atacando citrus na baixada fluminense. Rodriguesia 4:179-198, illus. Mar. 1940. 442.8 R61
- English summary.
- Mealybug in association with fungus which author thinks is *Boletus tropicus*.
945. GONÇALVES DA SILVA, S. A antracnose do caqui (*Diospyros kaki*). Biológico 6:125-126. May 1940. 442.8 B529
946. GONÇALVES DA SILVA, S. Aspecto fitossanitário das principais plantas cultivadas do estado de Espírito Santo. Soc. Bras. de Agron. Rev. 2(4):80-84. Dec. 1939. 9.2 S013
- Plant disease in Brazil: of coffee, cereals, cotton, sugarcane, cassava, and citrus fruits.
947. GONÇALVES DA SILVA, S. Cancro (Phomopsis) do tungue. Biológico 7:328-329. Nov. 1941. 442.8 B529
948. GONÇALVES DA SILVA, S. Doenças do mamoeiro. Biológico 7:220-225. Aug. 1941. 442.8 B529
- Includes anthracnose, fruit rots, mildew, mosaic disease, and leaf spots.
949. GONÇALVES DA SILVA, S. A ferrugem branca das crucíferas. Biológico 6:225-226. Aug. 1940. 442.8 B529
- Albugo candida.
950. GONÇALVES DA SILVA, S. A ferrugem do pimentão. Biológico 5:253-254. Nov. 1939. 442.8 B529
- Control measures.
951. GONÇALVES DA SILVA, S. Lista preliminar das doenças das plantas do estado do Espírito Santo. Brazil. Min. de Agr. B. 28:13-24. Oct./Dec. 1939. 9.2 Ag83
- English summary.
- Plant diseases in Brazil.
952. GONÇALVES DA SILVA, S. Noções sobre doenças e pragas das plantas e seu combate. Rio de Janeiro, Serviço de Informação Agrícola, Ministério da Agricultura, 1944. 140 p., illus. 464.4 G58
- Contents: I. Doenças e pragas das plantas; II. Combate às doenças e pragas das plantas; III. Fungicidas e Inseticidas, fórmulas e preparo.

953. GONÇALVES DA SILVA, S. Podridão (Armilaria) em bananaeira. *Biologico* 7:236. Aug.1941. 442.8 B529
- Armilaria mellea.
954. GONDELL, M. A. La susceptibilidad de diferentes especies y variedades cítricas a la Phytophthora citrophthora (Sm. y Sm.) Leon., P. parasitica Dastur y P. megasperma Leon. en la zona de Concordia (Entre Ríos). *Argentina. Inst. de Sanid. Veg. P. Ser. A.* v.2, no.19, 24 p., illus. 1946. 464.9 Ar323
955. GONZALEZ, E. Las enfermedades de la pía. I-II. *Rev. Com. Exterior [Mexico]* 6:83-99. Oct.1941. 286.8 M575
- Pt. I, Enfermedades de la planta; Pt. II, Enfermedades del fruto de la pía.
956. GONZÁLEZ AVILEZ, J. La pudrición del cogollo del cocotero. *Fomento* 1(9):10,19. July 1944. 8 F734 In Yucatán.
957. GONZÁLEZ BAUTISTA, L. A. Enfermedades del tabaco. *Agr. Venezol.* 13(133):20-22. Jan./Mar.1949. 9,95 Ag8
- Includes a disease caused by Nicotina virus No. 1, root rot, damping-off, seedling blight, leaf spot, and a bacterial disease.
958. GONZALEZ LARRERA, D. Estudio de la identidad y sanidad de las muestras de trigo de la exposición de Colonia mediante el cultivo experimental. *Uruguay. Min. de Ganad. y Agr. Arch. Fitotéc.* 2:530-562, illus. 1937. 102.5 U6A
- English summary.
959. GONZÁLEZ M., F. Informe especial sobre el control de las bacterias y modo de combatir la pérdida prematura del tomate, por medio del uso de compuestos a base de cobre. *Rev. Com. Exterior [Mexico]* 6:91-94. Nov.1941. 286.8 M575
- Control of early blight and bacterial canker of tomato caused by Alternaria solani and Bacterium viscosarium respectively.
960. GOOT, P. VAN DER. Ziekten en plagen der cultuurgewassen in Nederlandsch-Indië in 1936. *Buterzorg Inst. v. Plantenziekten Meded.* 89,104 p. 1937. 464.9 Ea72
- Plant diseases in the Netherlands Indies.
961. GORDON-DUFF, D. C. Oidium in relation to replanting in mid-country. *Ceylon. Rubber Res. Scheme Q. C.* 17:11-141. June 1939. 73.9 C339
- Mildew disease of rubber trees and its control.
962. GOSECO, F. P. A "Aeginetia indica" em Formosa, seus inimigos naturais e metodos de combate. *Resumo da historia da "Aeginetia indica" em Formosa. Bras. Açucareiro* 11:228-230, illus. May 1938. 65.8 B73
- Root parasites of sugarcane.
963. GOVINDU, C. Cerebella on sugarcane. *Cur. Sci.* 18:180-181, illus. May 1949. 475 Sc123
- Disease caused by a species of Cerebella.
964. GRANT, T. J., and COSTA, A. S. A progress report on studies of tristeza disease of citrus in Brazil. 1. Behavior of a number of citrus varieties as stocks for sweet orange and grapefruit, and as scions over sour orange rootstock when inoculated with the tristeza virus. *Fla. State Hort. Soc. Proc.* (1948)61:20-23. 1949. 81 F66
965. GRIECO, V. Acao do nitrato de sodio e do bisulfito de sodio sobre o crescimento do Aspergillus niger. *Inst. Biol. São Paulo Arq.* 11:147-148. 1940[1941]. 442.9 Sa6
- English summary.
966. GRIFFITHY, K. Some wood-destroying fungi of Indonesia. *Tectona* 39:348-367. Dec.1949. 99.8 B65
- Wood-rotting fungi.
967. GRILLO, H. V. S. Lista preliminar dos fungos assignalados em plantas do Brasil. *Rodriguesia* 2(no. especial):39-96. 1936[1937]. 442.8 R61
968. GRILLO, H. V. S. As necessidades da Phytopathologia no Brasil. *Rodriguesia* 2(no. especial):109-113. 1936[1937]. 442.8 R61
969. GRILLO, H. V. S. Observações sobre uma doença de orquídeas. *Rodriguesia* 3:247-251, illus. 1937[1938]. 442.8 R61
- Bacterium sp.
970. GRILLO, H. V. S. On the red stripe of sugarcane in Brazil. *Internat. Cong. Sugar Cane Technol. Cong. Proc.* 6(1939):427-430, illus. 1939. 65.9 In64
- Produced by *Phytophoma rubrilineans*.
971. GRIOT, M. Enfermedades que atacan a los rosales. *Pampa Argentina* 20(221):18. Jan.1946. 9 P19
- Anthraxnose, rust, fire blight, mildew, black spot, and their control.
972. GRODSINSKY, L. Manifestación foliar del Ustilago tritici. *Rev. Argentina de Agron.* 4:71-72, illus. Mar.1937. 9 R327
- Note on loose smut of wheat.
973. GRODSINSKY, L. La podredumbre seca de la espiga del maíz. *Argentina. Min. de Agr. Almanaque* 16: 153-154, illus. (col.). 1941. 9 Ag74
- Diplodia zeae, Fusarium moniliforme, causal organisms.
974. GRODSINSKY, L., and JENKINS, A. E. Sphaceloma murrayae in diversas especies de Salix. *Rev. Argentina de Agron.* 10:55-58, illus. Mar.1943. 9 R327
- English summary.
- In the Delta del Río Paraná, Province of Buenos Aires, Argentina.
975. GUARCH, A. M. Comunicaciones fitopatológicas [Montevideo] U. Facul. de Agron. *Rev.* 23:9-20, illus. Feb.1941. 102.5 M76R
- Includes notes on *Scolecotrichum graminis*, *Cercospora medicaginis*, *Puccinia anomala*, *Septoria gladioli*, *P. arachidis*, in Uruguay.
976. GUENA, F. DE O. Combate ao "carvao" nos canaviais de São Paulo. *Bras. Açucareiro* 31:278-280. Mar.1948. 65.8 B73
977. GUEVARA, J. M. La Peronospora de la vid. Perjuicio que ocasiona. Su evolución y tratamientos preventivos. *Argentina. Sec. de Indus. y Com. B.* 1(4): 259-264. Jan.1945. 280.9 Ar3
- Produced by *Plasmopara viticola*.
978. GUINAZU, F. Conviene el tratamiento invernal contra el oídio de la vid? *B. Agr. [Mendoza]* 7:1-10, illus. June 1939. 9 M52B
- Powdery mildew of grape and its control.
979. GUTIERREZ, R. O. El nematode de las raicillas de los citrus ["Tylenchulus semipenetrans"] en la República Argentina. *Argentina. Rev. de Invest. Agr.* 1: 119-146. July 1947. 9 R329
- English summary.
980. HAAREER, A. E. West African cocoa; origin and spread of the swollen shoot disease. *Empire Proc.* 312: 73. July/Aug.1949. 286.8 Em7
981. HALL, W. J. The identity of a mealybug vector of swollen-shoot virus disease of cacao in West Africa. *B. Ent. Res.* 36:305-313, illus. Nov.1945. 421 B87
- Compares *Pseudococcus extitabilis* and *P. njalensis*.
982. HALPERIN, L. Fenómenos a considerarse con respecto al agente etiológico de la mancha angular del algodonero en nuestro país [Phytophoma malvacearum (E. F. Smith) Bergey]. *Physis* 15:99-102, illus. Mar.31, 1939. 516 So12
- Preliminary report on angular leaf spot of cotton in Argentina.
983. HALPERIN, L. La quemazón bacteriana del tabaco. ["Phytophoma tabaci" (Wolf) Foster] *Bergey. Agronomia [Buenos Aires]* 31:33-38. Oct.1942. 9 B864
984. HALPERIN, L., and SPADIN, L. S. Tres bacteriosis existentes en la Argentina. *Erwinia carotovora* sobre repollo y pimiento; *Phytophoma campestri* sobre repollo, y *Phytophoma vesicatoria* sobre tomate. *Rev. Argentina de Agron.* 6:261-275, illus. Dec.1939. 9 R327
- English summary.
- Bacterial rot of pepper, black rot of cabbage, and bacterial canker of tomato.
985. HALPERIN, L. La tuberculosia del olivo. *Suelo Argentina* 1:841-842, illus. Dec.1942. 9 Su2
- Phytophoma sevestanoi*, the cause of olive knot.
- Also in *Argentina. Min. de Agr. Almanaque* 16:128-129, illus. (col.). 1941. 9 Ag674
986. HANCOCK, B. L. A laboratory colour test for the diagnosis of swollen shoot of *Phytophoma cacao* *Trop. Agr. [Trinidad]* 26:54-56. Jan./June 1949. 26 T754
- Experimentation at the West African Cacao Research Institute, Tafo, Gold Coast.
987. HANSFORD, C. G. Annotated host list of Uganda parasitic fungi and plant diseases. I-V. *East African Agr. J.* 2:419-424, 498-504; 3:79-84, 235-240, 319-324. 1937-1938. 24 Ea74
988. HANSFORD, C. G. Contributions towards the fungus flora of Uganda. I-II. *Linn. Soc. London, J. Bot.* 51:265-284, 537-545. 1937-38. 451 L64J
- I, The Meliolinae of Uganda; II, Meliolinae. Supplement. III-V in *Linn. Soc. London, Proc.* 153:4-52, 92-97; 155:34-67, illus. Aug.8, 1941; Oct.15, 1943. *Libr. Cong.*
- III, Some Uganda Ascomycetes; IV, The Ustilaginales of Uganda (*Sporogonium hansfordii*, *Sphaelotheca dorschosa*, *Tilletia echinosperma* n. spp.), by G. C. Ainsworth; V, Fungi imperfecti.

989. HANSFORD, C. G. Diseases of bananas. In Tothill, J. D., ed. *Agriculture in Uganda*, p. 124-125. Oxford, University Press, 1940. 35.4 T64
Brief account of root-stock disease, leaf spot, fruit rot, and tip-rot.
990. HANSFORD, C. G. Diseases of bulo. In Tothill, J. D., ed. *Agriculture in Uganda*, p. 147-149. Oxford, University Press, 1940. 35.4 T64
Blast, leaf spots caused by species of *Helminthosporium*; "sterility" and foot-rot.
991. HANSFORD, C. G. Diseases of cassava. In Tothill, J. D., ed. *Agriculture in Uganda*, p. 138-140. Oxford, University Press, 1940. 35.4 T64
Leaf spot, mosaic, and wilt disease.
992. HANSFORD, C. G. Diseases of coffee. In Tothill, J. D., ed. *Agriculture in Uganda*, p. 380-385. Oxford, University Press, 1940. 35.4 T64
Leaf disease, leaf-spot and berry blotch, stem diseases, Armillaria root-rot, mealy-bug root disease, Rhizoctonia root disease, Rhizoctonia disease of seedlings, and coffee-bean disease.
993. HANSFORD, C. G. Diseases of cotton. In Tothill, J. D., ed. *Agriculture in Uganda*, p. 278-288. Oxford, University Press, 1940. 35.4 T64
Angular leaf spot and blackarm, wilt and internal boll diseases, sore shin disease, areolate mildew, Alternaria leaf-spot, root rot, Cercospora leaf-spot, and cotton rust.
994. HANSFORD, C. G. Diseases of ground-nuts. In Tothill, J. D., ed. *Agriculture in Uganda*, p. 169-172. Oxford, University Press, 1940. 35.4 T64
Rosette, "tikka," leaf spot, and wilt diseases.
995. HANSFORD, C. G. Diseases of maize. In Tothill, J. D., ed. *Agriculture in Uganda*, p. 153-154. Oxford, University Press, 1940. 35.4 T64
Downy mildew, rust, leaf blight, ear rot, and streak disease.
996. HANSFORD, C. G. Diseases of rice. In Tothill, J. D., ed. *Agriculture in Uganda*, p. 161-162. Oxford, University Press, 1940. 35.4 T64
Description of blast disease caused by *Piricularia oryzae*.
997. HANSFORD, C. G. Diseases of rubber. In Tothill, J. D., ed. *Agriculture in Uganda*, p. 424-428. Oxford, University Press, 1940. 35.4 T64
Brown blast, mildew, dieback of twigs, root and bark diseases.
998. HANSFORD, C. G. Diseases of simsim. In Tothill, J. D., ed. *Agriculture in Uganda*, p. 176-178. Oxford, University Press, 1940. 35.4 T64
Leaf spot, root rot, wilt, mildew, and virus diseases.
999. HANSFORD, C. G. Diseases of sorghum. In Tothill, J. D., ed. *Agriculture in Uganda*, p. 156-158. Oxford, University Press, 1940. 35.4 T64
Smut, rust, downy mildew, leaf blight, and leaf spots.
1000. HANSFORD, C. G. Diseases of sugar-cane. In Tothill, J. D., ed. *Agriculture in Uganda*, p. 396-398. Oxford, University Press, 1940. 35.4 T64
Mosaic, red stripe, top rot, root rot, leaf-spot, and streak.
1001. HANSFORD, O. G. Diseases of sweet potatoes. In Tothill, J. D., ed. *Agriculture in Uganda*, p. 134. Oxford, University Press, 1940. 35.4 T64
Brief account of *Cercospora* leaf spot, dry rot of the tubers, and a soft rot of the surface layers of the tubers.
1002. HANSFORD, C. G. Diseases of tea. In Tothill, J. D., ed. *Agriculture in Uganda*, p. 410-411. Oxford, University Press, 1940. 35.4 T64
Grey blight, brown blight, scabbed leaf, and root-splitting disease.
1003. HANSFORD, C. G. The foliicolous ascomycetes, their parasites and associated fungi, especially as illustrated by Uganda specimens. Imper. Mycol. Inst. Mycol. Papers 15, 240 p., illus. Apr. 3, 1946. 451 Im73M
Results of 16 years of study on collections made by the author in Uganda, supplemented from collections made by F. C. Deighton in West Africa.
1004. HANSFORD, C. G. Host list of the parasitic fungi of Uganda. I-III. East African Agr. J. 8:248-252; 9:50-55, 102-106, 1943. 24 Ea74.
1005. HANSFORD, C. G. A probable virus disease of sweet potato. East African Agr. J. 10:126-127. Oct. 1944. 24 Ea74
White flies suspected as disease vectors.
1006. HANSFORD, C. G., and HOSKING, H. R. Recent research in Uganda on blackarm disease. Empire Cotton Growing Rev. 15:7-13. Jan. 1938. 72.8 Em7
1007. HANSFORD, C. G. Uganda plant diseases. II-IV. East African Agr. J. 10:141-151. Jan. 1945. 24 Ea74
Contents: II, Diseases of bananas; III, Diseases of cassava; IV, Diseases of sweetpotato.
1008. HANSFORD, C. G. Vascular diseases of cotton in Uganda. East African Agr. J. 5:279-282. Jan. 1940. 24 Ea74
1009. HANSFORD, C. G., and DIEGHTON, F. C. West African Melioliinae. II. Melioliinae collected by F. C. Deighton. Imper. Mycol. Inst. Mycol. Papers 23, 79 p. Mar. 24, 1946. 451 Im73M
1010. HARDY, E. Oidium mildew on rubber plantations and its prevention. Rubber Age 48:313-314. Feb. 1941. 305.8 R82
In Malaya and the Netherlands Indies.
1011. HARDY, F. Marginal leaf-scorch of cacao, its relationship to soil potash deficiency. Imper. Col. Trop. Agr. (Trinidad) Cacao Res. Ann. Rpt. (1936) 6:13-24, illus. (col.). 1937. 68.39 C11
1012. HARMSEN, J. R. Bruine binnenbastziekte. Bergcultuur 11:351-355. Mar. 13, 1937. 22.5 B45
1013. HARRIS, W. V. Root-knot eelworm. East African Agr. J. 4:25-30, illus. July 1938. 24 Ea74
Life history of the root-knot eelworm, *Heterodera marioni*, causing wilts and rots of plants; list of host plants; prevention.
1014. HASTINGS, L. Presence of the two most destructive rice pathogens in Costa Rica. Plant Dis. Rptr. 33:439-440. Nov. 15, 1949. 1.9 P69P
Helminthosporium oryzae and Piricularia oryzae.
1015. HAWAII AGRICULTURAL EXPERIMENT STATION. Report, 1946/48. Honolulu, 1948. 171 p. 100 H313
Plant pathology, by J. W. Hendrix, p. 115-119. Report on diseases of tomato and papaya.
Earlier reports by J. W. Hendrix and G. K. Parris, plant pathologists, are similar, including diseases of taro, beans, potatoes, asparagus, and pigeons.
1016. HAWAIIAN SUGAR PLANTERS' ASSOCIATION. Report of Experiment Station Committee for the year ending September 30, 1949. In Hawaii Sugar Planters' Assoc. Proc. (1949) 69, 49 p. 1950. 65.9 H314
Diseases, p. 15-17. Includes leaf scald, chlorotic streak, Fiji disease, root rot, and mosaic of sugarcane.
Earlier reports by J. P. Martin, plant pathologist, include other diseases of sugarcane, such as brown stripe, red stripe, banded chlorosis, eye spot, stem galls, and physiological disorders.
1017. HAYWARD, K. J. Control en la mandarina de la enfermedad llamada "sarna." Cong. Frut. de San Juan (1936/4) 2:75-285, illus. 1939. 93.09 C7623
1018. HEDAYETULLAH, S., and SAHA, J. C. Bacterial wilt disease of tomato. Sci. & Cult. 7:226-227, illus. Oct. 1941. 475 Sc124
In Bengal, India.
Causal organism *Bacterium solanacearum*.
1019. HEDAYETULLAH, S., and SAHA, J. C. A new phanerogamic parasite of sugarcane in Bengal. Cur. Sci. 11(3):109-110, illus. Mar. 1942. 475 Sc123
Identified as belonging to the species *Aeginetia pedunculata*.
1020. HEDAYETULLAH, S., and RAYCHAUDHURI, S. P. Sclerotic disease of rice caused by *Sclerotium oryzae* Catt. Sci. & Cult. 7:369-370, illus. Jan. 1942. 475 Sc124
Reporting also the conidial stage *Helminthosporium sigmoideum*, observed for the first time in India; perfect stage *Leptosphaeria salvinii* not yet obtained.
1021. HEIM, R. Un agaric rhizomorphe parasite des semis de quinquina en Haute-Guinée. Rev. de Bot. Appl. et Agr. Trop. 20:77-87, illus. Feb. 1940. 28.8 R323
Clitocybe sp.
1022. HEIM, R., and BOURQUET, L. La maladie de l'apoplexie du giroflier à Madagascar. Acad. Agr. de France Compt. Rend. 23:25-29. Jan. 6, 1937. 14 P215Bc
Physiological trouble.
1023. HEIM, R., and BOURQUET, L. Les maladies des Albizzia à Madagascar. Rev. de Bot. Appl. et Agr. Trop. 17:405-412, illus. Jun. 1937. 26 R323
1024. HEIM, R., and BOURQUET, G. Maladies et champignons du giroflier à Madagascar. Rev. de Path. Vég. et d'Ent. Agr. de France 26:5-35, illus. Jan. 1939. 464.9 S01
Mycosphaerella caryophyllata, Coprinus nigrostriatus, n. sp.; Spicariopsis (n. gen.) S. tropicale.

1025. HEIM, R., and BACHY, A. Observations préliminaires sur une grave maladie du palmier à huile sévisant au Congo français. Paris, Acad. des Sci. Compt. Rend., 228:217-220. Jan. 17, 1949. 505 P21
- Undetermined disease called "boyomi."
1026. HELL, W. F. VAN. Het gebruik van kalk als kleurstof voor desinfectiemiddelen, die met water emulgeerbaar zijn. Bergcultures 14:719-721, illus. June 1, 1940. 22.5 B45
- The control of rubber diseases in Java.
1027. HELL, W. F. VAN. Root disease caused by *Rigidoporus microporus* (Swartz) v. Overveen in young rubber replantings. (In Dutch.) Arch. v. de Rubbercult. 26, i.e. 16:221-251. Nov. 1948. 78.8 Ar2
- English summary.
1028. HELY, F. W., ALLAN, F. E., and ANGELL, H. R. Bunt infection and root development in wheat. Austral. Council Sci. & Indus. Res. J. 11:254-255. Aug. 1938. 514 Ar27
- Reduction in root development.
1029. HENAO LONDONO, G. Cultivo del cacao y sus proyecciones económicas en el oriente de Caldas. Colombia. Dept. de Caldas. Sec. de la Econ. Rev. Agropecuaria 6(26), 48 p., illus. Aug. 1941. 9.4 C714
- Diseases, p. 34-41.
1030. HENDRICKX, F. L. Les maladies cryptogamiques du caféier (*Coffea arabica* L.) au Kivu. Ann. de Gembloux 46:11-19. Jan. 1940. 13 G28
- Rapport présenté au VIII^e Cong. Internat. d'Agr. Trop. et Subtrop., Tripoli, Mar. 1939.
1031. HENDRICKX, F. L. Observations phytopathologiques à la Station de Mulungu en 1938. Inst. Natl. l'Étude Agron. du Congo Belge Rap. Ann. 1938(2):117-128. 1938. 514 Ar27
- Diseases of coffee, cinchona, tea, and a nematode disease of lavender, Mulungu Station, Belgian Congo.
1032. HENDRICKX, F. L. Observations sur la maladie verroureuse des fruits du caféier. Inst. Natl. l'Étude Agron. Congo Belge Pubs., Sér. Sci. 19, 12 p., illus. 1939. 24 In7
- Botrytis cinerea f. coffeae.
1033. HENDRICKX, F. L. Miliou du la pomme de terre (*Phytophthora infestans*) au Congo Belge. Inst. Roy. Colon. Belge, B. des Seances 17:996-1005. 1946. 50.4 B836
- Late blight.
1034. HENDRIX, J. W., KIKUTA, K., and FRAZIER, W. A. Breeding tomatoes for resistance to gray leaf spot in Hawaii. Amer. Soc. Hort. Sci. Proc. (1946) 47: 294-300. 81 Sol2
- Caused by *Stemphylium solani*.
1035. HERBERT, D. A. Diseases of native plants in Queensland. Austral. Inst. Agr. Sci. J. 9:63-68. June 1943. 23 Au74
1036. HERBERT, D. A., and LANGDON, R. F. Records of Queensland fungus, III. Queensland U. Dept. Biol. Papers 2:1-5. May 30, 1941. 442.9 G33
- Additions and extensions of host range and distribution.
1037. HERNANDEZ VIDAURRETA, M. Evitemos la tristeza. Agronomía [Habana] (ser. 2) 9(12):25-32. Dec. 1949. 8 C893
- In citrus.
1038. HEROS, A. S. DE LOS. Calendario regional de prácticas y tratamientos insecticidas y fungicidas. 2 ed. Lima, Peru, Sección técnica de propaganda agropecuaria, 1939. 39 p. 423 P432
- Plant disease control measures for each month of the year; especially prepared for the valley regions along the central coast of Peru.
1039. HEUBEL, G. A. Beknopt overzicht van de ondernemingscultures in het rayon Zuid-Sumatra gedurende 1936. Bergcultures 11:713-719. May 15, 1937. 22.5 B45
- Includes information on diseases of rubber, coffee, tea, cinchona, and oil palm.
1040. HEUBEL, G. A. Tapvlakbehandeling van Hevea brasiliensis. [I]-II. Bergcultures 11:454-462; 14:1005-1014, 1036-1045, illus. Apr. 3, 1937; Aug. 10, 17, 1940. 22.5 B45
- Title of Pt. II: Tapvlakziekten en tapvlakziektenbehandeling van Hevea brasiliensis.
1041. HEUSDEN, W. C. VAN. Beknopt overzicht van de ondernemingscultures in het rayon Zuid-Sumatra gedurende 1936. Bergcultures 11:713-719. May 15, 1937. 22.5 B45
- Includes diseases of rubber, coffee and tea in Sumatra.
1042. HIRSCHHORN, E., and HIRSCHHORN, J. Acción del pH sobre los caracteres culturales del carbón del maíz "Ustilago zeae" (Beck) Ung. Physis 18:223-251, illus. (pt. col.). May 31, 1939. 516 Sol2
1043. HIRSCHHORN, E. Adiciones y correcciones a las especies del genero "Ustilago" en la Argentina. Soc. Cient. Argentina An. 133:217-218. Mar. 1942. 516 Sol2
1044. HIRSCHHORN, E. Algunos caracteres del "carbon" de la caña de azúcar en la Argentina (Ustilago scitaminea). La Plata U. Nac. Mus. Notas Bot. 8:23-39, illus. 1943. 451 L31
- Trabajo del Instituto de Botánica "Spegazzini" de la Universidad Nacional de La Plata, Argentina.
1045. HIRSCHHORN, E. Algunos caracteres de las "Tilletia" spp. que producen las "caries" del trigo. "La Previsión." Chacra Expt. B. 3(2):105-109, illus. 1941. 9 P92
- Trabajo del Instituto de Botánica "Spegazzini" de la Universidad Nacional de La Plata, Argentina.
1046. HIRSCHHORN, E. Una especie de Ustilago nueva para la Argentina "Ustilago scitaminea." Rev. Argentina de Agron. 6:326-330, illus. Dec. 1941. 9 R327
- On sugarcane.
1047. HIRSCHHORN, E. Una especie de Ustilago nueva para la flora uruguaya (Ustilago microthelis Sydow). La Plata U. Nac. Mus. Notas Bot. 7(35):21-26, illus. May 5, 1942. 451 L31
- On Erianthus trinit.
1048. HIRSCHHORN, E., and HIRSCHHORN, J. Formas fisiológicas en "Ustilago zeae" de diversas localidades de la Argentina. Physis 18:181-222, illus. May 31, 1939. 516 Sol2
- Smut on maize.
1049. HIRSCHHORN, E. Nota crítica sobre las especies de Urocystis de la Argentina. La Plata U. Nac. Mus. Notas Bot. 7(35):81-92, illus. Aug. 12, 1942. 451 L31
1050. HIRSCHHORN, E. Nota crítica sobre una ustilaginácea argentina. Rev. Argentina de Agron. 4:168-170, illus. Sept. 1937. 9 R327
- Cintractia carphae comb. nov. on Carpha schoenoides.
1051. HIRSCHHORN, E. Una nueva especie de Ustilago de la flora argentina. La Plata U. Nac. Mus. Notas Bot. 4(27):415-419, illus. Dec. 27, 1939. 451 L31
- A new species of smut (Ustilago spegazzini) on needle-grass (Stipa argentinensis) in Argentina.
1052. HIRSCHHORN, E. Dos nuevas ustilagináceas de la flora argentina. La Plata U. Nac. Mus. Notas Bot. 8(43):167-177, illus. Aug. 7, 1943. 451 L31
- Ustilago rottboelliae, Sydow et Butler, y jacksonii Zundel and Dunlap var. ventanensis nov. var.
1053. HIRSCHHORN, E. Una nueva especie de Melanopsichium. La Plata U. Nac. Mus. Notas Bot. 6(32):147-151, illus. May 1941. 451 L31
- New species of smut (*M. pennsylvanicum*) on Polygonum pennsylvanicum in Argentina.
1054. HIRSCHHORN, E. Un nuevo parásito de "Sorghum sudanense" en la Argentina. Rev. Argentina de Agron. 8:262-263, illus. Sept. 1941. 9 R327
- Cintractia sorghi causing smut of Sudagrass.
1055. HIRSCHHORN, E. Refundición del género Sphaerotheca en Ustilago. Physis 15:103-111. Mar. 31, 1939. 516 Sol2
1056. HIRSCHHORN, E. Revisión de las especies de Tilletia de la Argentina. La Plata U. Nac. Mus. Bot. 5(18):1-20, illus. Mar. 27, 1942. 516 L31Rb
- English summary.
1057. HIRSCHHORN, E. Una Tilletiacea nueva de la flora peruana (*T. hyalospora* var. *cuscoensis* n. var.). Peru. Dir. Gen. de Agr. B. 16:243-246, illus. 1943. 9.8 P43B
1058. HIRSCHHORN, E. Una ustilaginácea nueva de la flora argentina (Ustilago chacoensis). La Plata U. Nac. Mus. Notas Bot. 6(34):479-483, illus. Dec. 11, 1941. 451 L31
- On nutgrass (*Cyperus rotundus*).
1059. HIRSCHHORN, E. Una ustilaginácea nueva para la flora argentina, Crozalsiella argentina nov. sp. La Plata U. Nac. Mus. Notas Bot. 5(30):235-240, illus. Nov. 15, 1940. 451 L31
- Description of a new species of smut (C. argentina) on Panicum demissum.
1060. HOGETOP, C. Uma doença fungica do tremoco. Rev. Agron. [Porto Alegre] 1:346-349, illus. July 1937. 9.2 R325
- Ceratophyllum setosum, causal organism.
1061. HOGG, T. L. E. La fumagina del café. Inst. de Defensa del Café de Costa Rica Rev. 7(46):7-14. Aug. 1938. 68.28 C82
- Sooty mould of coffee.

1062. HOLMES, F. O. The Chilean tomato, *Lycopersicon chilense*, as a possible source of disease resistance. *Phytopathology* 29:215-216, illus. Feb. 1939. 464.8 P56
A note on the crossing of the cultivated tomato, *Lycopersicon esculentum*, with the desert-inhabiting, perennial Chilean tomato, *L. chilense*, to produce a hybrid disease-resistant plant.
1063. HOLMES, F. O. Handbook of phytopathogenic viruses. Minneapolis, Burgess, 1939. 221 p. 464.32 H73
Photoreprint.
1064. HOLMES, F. O., and others. Ringspot of papaya (*Carica papaya*) in the Hawaiian Islands. *Phytopathology* 38:310-312. Apr. 1948. 464.8 P56
J. W. Hendrix, W. Ikeda, D. D. Jensen, R. C. Lindner, and W. B. Storey, joint authors.
Could appropriately be called papaya mosaic, except that this term has been used for another papaya disease in Hawaii.
1065. HOPKINS, J. C., and DOWSON, W. J. A bacterial leaf and flower disease of Zinnia in Southern Rhodesia. *Brit. Mycol. Soc. Trans.* 32:252-254. 1949. 451 B76
Xanthomonas nigromaculans zinniae.
1066. HOPKINS, J. C. F. Diseases of fruit, flowers and vegetables in Southern Rhodesia. 1-9. Rhodesia Agr. J. 37:264-281, 508-511; 38:441-447, 470-471, 672-690; 39:376-383, 40:239-241; 41:63-67; 42:81-87, illus. 1940-45. 24 R34
Contents: Ch. 1, Common diseases of apples and their control. Ch. 2, Black rot disease of cabbages and cauliflowers. Ch. 3, Common diseases of snapdragons. Ch. 4, Mildew of mangoes. Ch. 5, Diseases of potatoes. Ch. 6, Virus diseases of cabbages and cauliflowers. Ch. 7, Common diseases of lettuce. Ch. 8, Yellowing disease of cabbage. Ch. 9, Diseases of tomatoes.
1067. HOPKINS, J. C. F. A descriptive list of plant diseases in Southern Rhodesia (and their control). Rhodesia, South., Dept. Agr. Mem. 2,51 p. Dec. 1939. 24 R346
Supplement 1, January 1940-April 1943, in Rhodesia Agr. J. 40:178-192. May/June 1943. 24 R34
1068. HOPKINS, J. C. F. Diseases of tobacco in Southern Rhodesia (Supplement I, 1932 to 1938). Rhodesia Agr. J. 36:45-65, 97-119, illus. (pt. col.). Jan.-Feb. 1939. 24 R34
1069. HOPKINS, J. C. F. Economic and domestic implications of plant diseases in Rhodesia. *So. African J. Sci.* 37:46-57. Feb. 1941. 515 S084
Brief outline of diseases of main crops in Southern Rhodesia: tobacco, maize, small cereals, fruit and vegetables with analysis of effect on national economy.
1070. HOPKINS, J. C. F. The importance of seed disinfection of ground nuts. Rhodesia Agr. J. 42:432-433. Sept./Oct. 1945. 24 R34
Guarding against seed-rot, root-rot, and rosette.
1071. HOPKINS, J. C. F. Mycological notes. 12-16. Rhodesia Agr. J. 36:721-723, 814-818, 836-837; 37:326-329; 40:47-49, illus. 1939-43. 24 R34
For Mycological notes, 2-11 see Hopkins, J. C. F. Seasonal notes on tobacco diseases. 2-11.
- 12, The Diplodia danger. 13, Diplodia and field hygiene. 14, Seasonal notes on plant diseases. 15, The tobacco "krommek" virus in Rhodesia. 16, The campaign against the krommek virus.
- Injury to maize by attacks of fungi of the genus *Diplodia*.
1072. HOPKINS, J. C. F. A note on a stem rot of sweet peas. Rhodesia Agr. J. 35:417-418. June 1938. 24 R34
Fusarium solani var. *maritii*.
1073. HOPKINS, J. C. F. Notes on *Alternaria* (brown) leaf spot of tobacco. Rhodesia Agr. J. 43:114-116, illus. Mar./Apr. 1946. 24 R34
Alternaria longipes.
1074. HOPKINS, J. C. F. A programme for the control of diseases of apple trees in Southern Rhodesia. Rhodesia Agr. J. 34:619-630, illus. Aug. 1937. 24 R34
Reprinted as Rhodesia, South., Dept. Agr. & Lands B. 1040.12 p., illus. Aug. 1937. 24 R345
1075. HOPKINS, J. C. F. Report of the chief botanist and plant pathologist for the year ended 31st December, 1946. Rhodesia Agr. J. 46:278-285. July/Aug. 1949. 24 R34
On diseases of tobacco, maize, potatoes, fruit, flowers and vegetables.
Earlier reports are similar, with brief notes on diseases of dahlias, sugarcane, apples, pears, wheat, tomatoes, and strawberries.
1076. HOPKINS, J. C. F., and BATES, G. R. Seasonal notes on plant diseases; field spraying of tobacco; bacterial wilt of tobacco and other plants. Rhodesia Agr. J. 44:473-475, illus. Sept./Oct. 1947. 24 R34
1077. HOPKINS, J. C. F. Seasonal notes on tobacco diseases. 2-11. Rhodesia Agr. J. 28:1095-1100; 29:202-204; 30:120-123, 472-474; 31:727-734; 32:108-113; 34:770-772; 35:510-512, illus. 1931-38. 24 R34
[1] See his: The preparation of Bordeaux mixture and seasonal notes on tobacco. 2, Mosaic. 3, Frog eye. 4, White mould. 5, Evil effects of delayed "priming." 6, An unusual type of frog-eye spotting. 7, Spraying in seed beds and land. 8, The mosaic mystery. 9, Danger points in field spraying. 10, Precautionary methods in seedbeds. II, [i. e.] 11, Two destructive curing moulds.
Continued under title *Mycol. notes*, 12-15, of v.
1078. HOPKINS, J. C. F., and MOSSOP, M. C. Spraying of tobacco seedlings for control of rosette disease. Rhodesia Agr. J. 35:760-764, illus. Oct. 1938. 24 R34
Transmission of disease by the aphid of green fly, *Myzus persicae*.
1079. HOPKINS, J. C. F. Three important strawberry diseases. Rhodesia Agr. J. 36:254-259, illus. Apr. 1939. 24 R34
Reprinted as South. Rhodesia. Dept. Agr. & Lands B. 1108. 6 p., illus. Apr. 1939. 24 R345
Mildew, "yellow edge" and "severe crinkle."
1080. HOWARD, A. La Fertilidad de la tierra en relación con las enfermedades. *Inst. de Defensa del Café de Costa Rica*, Rev. 8:513-518. Jan. 1939. 68.28 C82
Diseases of coffee.
1081. HOWARD, A. Insects and fungi in agriculture. *Empire Cotton Growing Rev.* 15:215-223. July 1938. 72.8 Em7
Plant disease control in India. Theory advanced by author that insects and fungi are not the real cause of plant diseases; endeavors to show the relationship between restoration of soil fertility by means of humus prepared from vegetables and animal wastes and disease-resistant plants.
1082. HOYOS ARANGO, S. El carbón en la caña. *Rev. Nac. de Agr. [Bogotá]* 519/520:20-21. July/Aug. 1948. 9.4 R32
Ustilago scitaminea.
1083. HOZ, C. DE LA. El problema bananero. *Tratamiento de la sigatoka*. *Rev. Agr. de Guatemala* 17:98-101. Mar. 1940. 8 G934
Leaf spot of banana caused by the fungus *Cercospora musae* and its control.
1084. HUGHES, C. G. Alternate hosts of *B. vasculorum*, the causal agent of gumming disease of sugar cane. *Queensland. Bur. Sugar Expt. Stas. Tech. Comm.* 1939(3): 35-63, illus. (col.). 65.9 Q3T
Maize, species of sorghum and some grasses.
1085. HUGHES, C. G. The hot-water treatment of plants on the farm. *Queensland. Bur. Sugar Expt. Stas. Cane Growers' Q. B.* 11:166-168, illus. Apr. 1948. 65.9 Q3C
For control of chlorotic streak of sugarcane.
1086. HUGHES, C. G., and STEED, D. R. L. The stalk rots of standing cane. *Queensland. Bur. Sugar Expt. Stas. Cane Growers' Q. B.* 12:172-179, illus. Apr. 1, 1949. 65.9 Q3C
Red rot, rind disease, "pokkah boeng" or "twisted top," and pineapple disease.
1087. HUGHES, C. G. The symptoms of leaf scald disease in sugar cane. *Queensland Soc. Sugar Cane Technol. Proc.* (1947): 115-118. 65.9 Q332
In North Queensland.
Also in *Queensland. Bur. Sugar Expt. Stas. Cane Growers' Q. B.* 11:33-36. July 1, 1947. 65.9 Q36
1088. HUGHES, C. G. Treatment with fungicides as help to better strikes. *Queensland. Bur. Sugar Expt. Stas. Cane Growers' Q. B.* 12:54-58, illus. Oct. 1, 1948. 65.9 Q3C
Sugarcane plants.
1089. HUMPHREY, N. A groundnut wilt disease on the coast of Kenya. *East African Agr. J.* 5:110-113. Sept. 1939. 24 Ea74
Associated with *Fusarium* sp.
1090. HUMPHRIES, E. C. Studies in the physiology of *Triebroma cacao*, with special reference to cherelle. I. V. Imper. Col. Trop. Agr. [Trinidad] *Cacao Res. Ann. Rpt.* (1939): 33-42, 43-46, 47-51. (1940): 10:12-22; (1941/43): 11:23-27. 1940-44. 68.39 C11
I, Preliminary investigation of the factors concerned in wilt; II, Growth rate and mineral intake by the pod; III, Leaf-flush and mineral intake by the shoot; IV, Further progress report.

1091. HUTCHINSON, J. B. A note on testing cotton strains for homozigosity in wilt resistance. Conf. Sci. Res. Work Cotton India (1937) 1:325-327. 1938. 72.9 C764
1092. HUTSON, J. C. Plant import legislation in Ceylon. Trop. Agr. [Ceylon] 92:288-301, illus. May 1939. 26 T751
1093. IMPERIAL COLLEGE OF TROPICAL AGRICULTURE. The protection of sugar cane from pests and diseases. Trop. Agr. [Trinidad] 18:149-150. Aug. 1941. 26 T754
- Plant quarantine legislation.
1094. IMPERIAL MYCOLOGICAL INSTITUTE. A list of common tropical plant diseases. Imper. Mycol. Inst. Mimeog. P. 4.62 p. Kew, 1947. 451 Im73
- Alphabetical arrangement by host (common name) with diseases grouped as subheads using common names, followed by the name of the causal organisms.
1095. INDIAN CENTRAL COTTON COMMITTEE. Red leaf in American cotton (G. hirsutum). Indian Farming 6:469-470. Oct. 1945. 22 In283
- Three types (1) due to nitrogen deficiency in soil, (2) due to jassid attack, (3) a genetic character.
1096. INDIAN TEA ASSOCIATION. TOCKLA EXPERIMENTAL STATION. Annual report, 1947. [Calcutta] 1947. 10. 68.12 T56
- Mycological branch [report], by K. C. Sarmah, p. 21-22. On blister blight and black rot of tea.
- Previous reports are similar.
1097. INFANTE, G. Azufuradura en las viñas. Asoc. Rur. del Uruguay Rev. 70(4):51-52. Apr. 1943. 9.9 As5
- Directions for use of sulfur against oidium of grape.
1098. INFANTE, G. Defectos y enfermedades de los vinos. Unión Agr. del Sur 1(4/5):62. May 1943. 9.3 Un3
- In Chile.
1099. INNES, R. F. The manganese content of leaf and inflorescence tissue in relation to the "unknown disease" of the coconut palm in Jamaica. Trop. Agr. [Trinidad] 26:57-60. Jan./June 1949. 26 T754
1100. INSTITUT NATIONAL POUR L'ETUDE AGRONOMIQUE DU CONGO BELGE. Rapport annuel, 1948. Gembloux, 1949. 289 p. 24 In7R
- Division de phytopathologie et d'entomologie, p. 63-80. On the diseases of rubber, the oil palm, cotton, coffee, and fruit.
- Earlier reports, by J. Ghesquière and R. L. Steyaert, plant pathologists, are similar, reporting variously on diseases of potatoes, maize, banana, and sweet potatoes.
1101. INTER-AMERICAN TECHNICAL CONFERENCE ON CACAO. Technical conference on cacao, held at the Inter-American Institute of Agricultural Sciences, Turrialba, Costa Rica, Sept. 30-Oct. 4, 1947. Washington, Pan Amer. Union, 1948? 54 p. 68.39 In8
- Includes reports on diseases of cacao in the various participating countries.
1102. IYENGAR, A. V. V. Influence of spike disease on the mineral metabolism of sandal. Cur. Sci. 6:278-279. Dec. 1937. 475 Sci23
1103. IYENGAR, A. V. V. Some aspects of the control of spike disease in sandalwood. Phytopathology 28:715-723. Oct. 1938. 464.8 P56
- Carrier of this insect transmitted disease in India is not known.
1104. JACK, R. W. Cultural measures for control of root-knot eelworm. Rhodesia Agr. J. 38:546-559, illus. Oct. 1941. 24 R34
- With special reference to tobacco.
1105. JACOB, J. C. S., and FLUITER, H. J. DE. Is er verband tusschen den toestand van de plant en de mate van virulentie van wortelschimmels? Bergcultures 12: 1290-1292. Sept. 17, 1938. 22.5 B45
- Question of connection between condition of plant and degree of virulence of root fungus (Fomes lignosus).
1106. JAMAICA. DEPT. OF AGRICULTURE. Annual report, 1947/48. Kingston, 1950. 23 p. 8 J227A
- Plant pathology division report, by E. B. Martyn, p. 14. Brief account on diseases of lime and tomato.
- Earlier reports, by F. E. V. Smith and N. L. Harter, plant pathologists, are similar, reporting variously on diseases of banana, sugarcane, coconut, potatoes, citrus, pimiento, eggplant, sweet peppers, tobacco, beans, maize, chrysanthemums, roses, carnations, cannabis, coffee, sisal, yams, mangoes, and peanuts.
1107. JAMAICA. DEPT. OF SCIENCE AND AGRICULTURE. LEAF SPOT CONTROL DIVISION. Banana leaf spot, when to spray and why. 6 p., illus. Kingston, 1942. 464.06 J222
1108. JAUCH, C. Las dos especies de Septoria que atacan el apio cultivado en la República Argentina. Rev. Argentina de Agron. 4:258-272, illus. Dec. 1937. 9 R327
- Septoria apili, S. apii-graveolentis, the cause of late blight of celery.
1109. JAUCH, C. La "mancha chocolate" de las habas. Rev. de Invest. Agr. 1:65-80. Apr. 1947. 9 R329
- Brown spot of the broad bean (Vicia faba) caused by two species of the genus Botrytis: B. fabae and B. cinerea.
1110. JAUCH, C. Una nueva enfermedad de las calas [Zantedeschia aethiopica] in the Argentina. Soc. Cient. Argentina. An. 144:447-456, illus. Sept. 1947. 516 Sci
- Caused by Coniothecium rhizariae.
1111. JAUCH, C. La presencia de "Cylindrocycladium scoparium" in the Argentina. Rev. Argentina de Agron. 10:355-360, illus. Dec. 1943. 9 R327
- Found on Eucalyptus, maté, plum, and rose.
1112. JAUCH, C. La "viruela de la pda" in los durazneros y almendros del nordeste bonaerense. Rev. Argentina de Agron. 8:206-215, illus. Sept. 1941. 9 R327
- Phomopsis sp.
- Dieback of almond and peach, caused by a species of Phomopsis, in Argentina.
1113. JAUCH, C. La "viruela de los frutales de carozo" en Argentina. Corynema carpophillum (Léveillé), nov. comb. Rev. Argentina de Agron. 7:1-26, illus. Mar. 1940. 9 R327
- English summary.
- Discusses disease on almond, apricot, cherry, peach, and plum.
1114. JENKINS, A. E., and BITANCOURT, A. A. Antracnosis de la vid en Chile. Chile. Dept. de Sanid. Veg. B. 1:19-53, illus., maps. July 1941. 464.9 C432B
- A detailed discussion of the history of this disease in Chile from the year 1874, including the original description of the diseases and its cause by R. F. Lefeuve; causal fungus Elsinoe ampelina.
1115. JENKINS, A. E., and CHUPP, C. Cercospora? Phaeochora discovered in Chile. Mycologia 33:87-89, illus. Jan./Feb. 1941. 450 M99
- On specimen of Lithraea caustica.
1116. JENKINS, A. E., and BITANCOURT, A. A. Doenças das plantas causadas por fungos dos generos Elsinoe e Sphaeloma. Rodriguesia 2(no. especial):305-313, illus. 1936[1937]. 442.8 R61
- English summary.
- Characteristics of the genera Elsinoe and Sphaeloma, together with a historical review of the classification of the genus Elsinoe.
1117. JENKINS, A. E., and BITANCOURT, A. A. Duas verrugosas do chá, causadas por "Elsinoe," e sua distribuição. Inst. Biol., São Paulo. Agr. 17:67-72, illus. 1946. 442.9 Sa6
- Elsinoe theae (mottle scab); E. leucospila n. sp. (Sphaeloma theae) white scab.
1118. JENKINS, A. E., and BITANCOURT, A. A. An Elsinoe causing an anthracnose on Hicoria pecan. Phytopathology 28:75-78, illus. Jan. 1938. 464.8 P56
- A note describing symptoms of the disease first discovered at Campinas, São Paulo, Brazil.
1119. JENKINS, A. E., and BITANCOURT, A. A. Elsinoe in Uganda. Mycologia 34:318-321, illus. May/June 1942. 450 M99
- Elsinoe hansfordii n. sp. on Scutia myrtina.
1120. JENKINS, A. E. Elsinoe on lemon fruits from Paraguay. Phytopathology 28:73-75, illus. Jan. 1938. 464.8 P56
- Elsinoe australis.
1121. JENKINS, A. E., and BITANCOURT, A. A. An Elsinoe on Toddalia. Philippine Agr. 29:55-56. June 1940. 25 P642
- Elsinoe toddaliae (Syd.).
1122. JENKINS, A. E. Historical records of avocado scab in Florida and Cuba. Calif. Avocado Assoc. Ybk. 1939:76-78, illus. Dec. 1939. 81 C128
- Attributed to Sphaeloma perseae.
1123. JENKINS, A. E., and BITANCOURT, A. A. Histórico de Elsinoe ampelina, o fungo causador da antracnose da videira. Biológico 10:109-114. Ref. Agr. 1944. 442.8 B529
- English summary.
- A survey of the history of grape antracnose in South America reveals that in Chile, Brazil, Paraguay and Argentina there are independent records of the disease beginning with 1877.

1124. JENKINS, A. E., and BITANCOURT, A. A. Identidade do hospedeiro de "Elsinoe" bohemariae Bitanc. & Jenkins." Inst. Biol. São Paulo Agr. 15:343-344. Dec. 1944. 442.9 Sa6
1125. JENKINS, A. E., and BITANCOURT, A. A. Ilustrações das doenças causadas por "Elsinoe" e "Sphaceloma" conhecidas na América do Sul até Janeiro de 1936. Inst. Biol. São Paulo Arq. 10:31-60, illus. 1939. 442.9 Sa6
- English summary.
- Illustrations of the 13 known diseases caused by these two fungi, with additional information on their history and distribution.
1126. JENKINS, A. E., KRUG, H. P., and CASH, E. K. New or little known Ascomycetes collected in São Paulo in 1936. Mycologia 33:390-404, illus. July/Aug. 1941. 450 M99
1. *Mairella bertioidea* (Sacc. and Berl.) Maubl. [M. guianensis n. comb.]. 2. *Haplosporella justiciae* P. Henn. 3. *Dermatea paracitica* (Wint.) Hoshnell, 4. *Laetinaevia blechni* sp. nov.
1127. JENKINS, A. E., and BITANCOURT, A. A. Observações sobre espécies do gênero "Elsinoe" da Uganda. Inst. Biol., São Paulo. Agr. 17:47-54, illus. 1946. 442.9 Sa6
- English summary.
- Technical descriptions of six new species of *Elsinoe* and *Sphaceloma*.
1128. JENKINS, A. E., and BITANCOURT, A. A. Origen de las ilustraciones de la antracnosis de la vid publicadas por Lefevre. Chile. Dept. de Sanid. Veg. B. de Sanid. Veg. 3(2):172-175, illus. July/Dec. 1943. 464.9 C432B
1129. JENKINS, A. E. *Poinsettia* scab discovered in Honolulu. Phytopathology 32:336-337, illus. Apr. 1942. 464.8 P56
- Produced by a species of *Sphaceloma*.
1130. JENKINS, A. E., and BITANCOURT, A. A. Revised description of the genera *Elsinoe* and *Sphaceloma*. Mycologia 33:338-340. May/June 1941. 450 M99
1131. JENKINS, A. E. Saint-Hilaire's records of damage from wheat rust in Brazil. Chron. Bot. 9:147-150. Autumn 1945. 450 C46
- Symbolae phytohistoricae, No. 7.
1132. JENKINS, A. E. Scab of cinchona in South America caused by *Elsinoe*. Wash. Acad. Sci. J. 35:344-352, illus. Nov. 15, 1945. 500 W27FJ
- Elsinoe* cinchonae, n. sp.
1133. JENSEN, J. H. Chlorosis of citrus in Puerto Rico. Phytopathology 27:731. June 1937. 464.8 P56
- Note on symptoms of this disease caused by plant nutrient deficiencies.
1134. JENSEN, J. H. Un informe preliminar sobre la represion de la clorosis folial de la toronja en Puerto Rico. Rev. de Agr. de Puerto Rico 30:139-143. Mar. 1938. 8 R325
1135. JOFFILY, J. M. Bacteriose das folhas da namoneira. Rodriguésia 9(19):21-24, illus. Sept./Dec. 1945. 442.8 R61
- Bacterium ricincola.
1136. JOFFILY, J. M. Cercosporiose da piteira [Furcraea gigantea]. Rodriguésia 9(19):25-28. Sept./Dec. 1945. 442.8 R61
- Caused by *Cercospora fourcroyae*.
1137. JOFFILY, J. M. A doença do anel vermelho do coqueiro e sua ocorrência no Brasil. Anel. Serv. Nac. de Pesquisas Agron. B. 3,64 p., illus. Feb. 1948. 9.2 B738
1138. JOFFILY, J. M. Ferrugem do eucalipto. Bragantia 4:475-487, illus. (pt. col.). Aug. 1944. 102.5 B73Th
- English summary.
- Causal organism identified as *Puccinia psidii*.
1139. JOHNSTON, J. R. La causa de la enfermedad del banano, llamada "Sigatoka." Rev. Agr. [Guatemala] 14:397-400, illus. May 30, 1937. 8 G934
- Cercospora musae*.
1140. JOHNSTON, J. R. El charco del tallo del café. Rev. Cafetal. de Guatemala 3(34/37):58-60. Sept./Dec. 1947. 68.28 R322
1141. JOHNSTON, J. R. El cocotero en Guatemala. Rev. Agr. [Guatemala] 14:310-313, illus. Mar. 15, 1937. 8 G934
- Includes diseases.
1142. JOHNSTON, J. R. Diseases and insect pests of pine trees in Guatemala. Amer. Sci. Cong. Proc. (1940) 8(3):245-250. 1942. 330.9 Am3008
- Rust fungi, p. 248-250.
1143. JOHNSTON, J. R. Enfermedades del banano. Rev. de Agr. y Com. [Panama] 2(8):15-16. Apr. 1942. 8 R329
- Mainly on "banana wilt" (marchitez) caused by the fungus *Fusarium cubense*.
1144. JOHNSTON, J. R. Enfermedades y plagas de las pías en la América tropical. Rev. de Agr. y Com. [Panama] 2(13):10-18, illus. Sept. 1942. 8 R3291
1145. JOHNSTON, J. R. Los hongos "royas" en Guatemala. Guatemala Sec. de Agr. Rev. Agr. 14:473-479. June 30, 1937. 8 G934
- Plant diseases in Guatemala.
1146. JOHNSTON, J. R. Patología vegetal. Texto para uso de escuelas superiores y técnicas. Guatemala, Tipografía nacional, 1942. 230 p., illus. 464 764
1147. JONES Y GROUT, E., and JONES Y GROUT, M. Gangrena negra del tomate (*Alternaria solani*). Agr. Costarricense 1:285-286. Nov./Dec. 1943. 8 Ag895
- Early blight of tomato caused by *A. solani*.
1148. JONG, W. H. DE. Over de bestrijding van eenige ziekten, die houtvonden aan het onderste deel van den stam van hevea veroorzaken. Bergcultures 15:1134-1137. Aug. 16, 1941. 22.5 B45
1149. JOSHI, N. V., and JOSHI, S. G. The 'band' disease of Areca palm. Indian Farming 10:197-200. May 1949. 22 In283
- Cause not determined.
1150. JOSHI, N. V., and DUTT, S. C. Studies on the dissociation of *Bacillus cereus*, an organism associated with plants affected with mosaic disease. Indian J. Agr. Sci. 7:763-783, illus. (pt. col.). Oct. 1937. 22 Ag831
1151. KALSHOVEN, L. G. E. De ziekten en plagen van den rasmala. Tectona 30:162-176, illus. Mar. 1937. 99.8 B65
- English summary.
- Altingia excelsa*, one of the most valued trees of western Java; diseases include damping-off of seedlings through Rhizoctonia and dieback.
1152. KAMAT, M. N. Progress of plant pathological research in Bombay. Poona Agr. Col. Mag. 33:97-100. Dec. 1941. 22 P79
- Plant diseases in India: a resumé of the work of the Plant Pathology Section of the Bombay Department of Agriculture during the last 15 years.
1153. KAMAT, M. N., and PATEL, M. K. Some new hosts of *Oidiopsis taurica* (Lev.) Salmon in Bombay. Indian Phytopath. 1:153-158. 1948. 464.8 In2
1154. KAMINSKI, G. El "ojo de gallo" y las deficiencias químicas del suelo. Café de El Salvador 11:664-672, 720-726. Oct.-Nov. 1944. 68.28 C39
- American coffee-leaf disease in El Salvador caused by *Omphalia flavidia*.
1155. KANITKAR, U. K., and UPPAL, B. N. Twig blight and fruit rot of mango. Cur. Sci. 8:470-471, illus. Oct. 1939. 475 Sc123
- Phoma sp., causal organism.
1156. KAR, P. C., and SAHA, J. C. Controlling fruit scab [*Sphaceloma fawcettii*] of pumelo, *Citrus grandis* Osbeck (C. decumana Linn.). Sci. & Cult. 8:422-423, illus. Apr. 1943. 475 Sc124
- Disease of pumelo in India.
1157. KARTHAUS, J. P., and THUNG, T. H. Het verteren van tomaten op voor slijmziekte resistente onderstammen. Natuurw. Tijdschr. Nederl. Indie 101:266-270, illus. Sept. 1940. 194. 68.28 C39
1158. KEBREAU, F. La maladie de sigatoka et le mal de Panama. Haiti. Serv. Natl. Prod. Agr. et de l'Enseign. Rur. B. 16:14-31, illus. 1939. 8 H123
- Leaf spot of banana caused by *Cercospora musae* and wilt of banana caused by *Fusarium oxysporum cubense*.
1159. KEILLER, P. A. Note on the analysis of leaves from tea bushes affected by "witches broom." Ceylon Tea Res. Inst. Tea Q. 12:96-97. June 1939. 68.18 C39
1160. KENYA. DEPT. OF AGRICULTURE. Annual report, 1947. Nairobi, 1949. 194 p. 24 Af8A
- Annual report of the senior plant pathologist, by R. M. Nattrass, p. 139-141. On Diseases of wheat, potatoes, Pyrethrum, and forest trees.
- Also annual report of the plant physiologist and pathologist, W. J. G. Gervais, 1947, by R. M. Nattrass, p. 111-115.
- Earlier reports 1933-44, have not been received.
1161. KENYA. DEPT. OF AGRICULTURE. Coffee in Kenya, edited by J. McDonald. Nairobi, Kenya Colony, 1937. 210 p., illus. 68.2 K42C
- Diseases, by J. McDonald, p. 148-190.

1162. KERN, F. D. Additions to the Uredinales of Venezuela, I-IV. *Mycologia* 30:537-552; 35:434-445; 36:54-64, 503-517, 1938-44. 450 M99
- H. W. Thurston, Jr., joint author, II-IV.
- Descriptions.
1163. KERN, F. D., and THURSTON, H. W., JR. A new report on the Uredinales of Colombia. *Mycologia* 42:621-629. Sept./Oct. 1940. 450 M99
- Puccinia immensispora, P. liabicalis, n. spp.
1164. KEREGANT, D. La maladie a Cercospora des feuilles du bananier. *Martinique. Serv. d'Agr. B. Agr. 7*: 26-39. Mar. 1938. 8 M362
- Cercospora musae, the cause of leaf spot of banana.
1165. KARVAKIAN, A. C. Bird's eye spot disease of Hevea rubber in Nicaragua. *Phytopathology* 38:1025-1027, illus. Dec. 1948. 464.8 P56
- Causal organism identified as Helminthosporium heveae.
1166. KEVORKIAN, A. Enfermedades de las orquídeas. *Rev. de Agr. de P. R.* 32:345-346. July/Sept. 1940. 8 R325
- Traducción de Rafael R. Cintrón.
- Includes leaf spot, anthracnose, rust, and root rot.
1167. KHANNA, K. L., and RAMNATHAN, K. R. A note on the occurrence of smut on Saccharum munja, munj grass. *Curr. Sci.* 15:253-254, illus. Sept. 1946. 475 Sci23
- Sphaelotheca schweinfurthiana.
1168. KHANNA, K. L., and CHACRAVARTI, A. S. Some observations on juices of diseased sugarcane. *Curr. Sci.* 18:19. Jan. 1949. 475 Sci23
- Includes table showing changes in quality of juice of sugarcane affected with red rot and wilt.
1169. KHESWALLA, K. F. Foot-rot of gram (Cicer arietinum L.) caused by Operculella padwickii nov. gen., nov. spec. *Indian J. Agr. Sci.* 11:316-318, illus. (pt. col.). Apr. 1941. 22 Ag831
1170. KIKUTA, K. Celery without blight [Cercospora] and Hawaii Farm & Home 6(10):28-29, illus. Oct. 1943. folio 25 H3191
- Spraying prevents development of diseases; experiments conducted at the Hawaiian Agricultural Experiment Station.
1171. KIKUTA, K., HENDRIX, J. W., and FRAZIER, W. A. Introducing HES 657. *Hawaii Farm & Home* 7(9): 26-27. Sept. 1944. folio 25 H3191
- New variety of tomato, resistant (or tolerant) to spotted wilt, as yet nameless but referred to in this article as HES 657.
1172. KIKUTA, K., HENDRIX, J. W., and FRAZIER, W. A. Pearl Harbor: a tomato variety resistant to spotted wilt in Hawaii. *Hawaii. Agr. Expt. Sta. C*, 24, 4 p., illus. Aug. 1945. 100 H313
1173. KINCAID, G. C. Control de "la mancha" o "Phytophthora infestans" de la papa en Costa Rica. *Inst. de Defensa del Café de Costa Rica. Rev.* 15:94-101. Feb. 1945. 68.28 C82
- Late blight.
1174. KING, N. J. Fiji disease control by resistant varieties. *Queensland. Bur. Sugar Expt. Stas. Can. Growers' Q. B.* 11:30-32. July 1, 1947. 65.9 Q3C
- Sugarcane.
1175. KING, N. J. Fiji disease in the Maryborough District. *Queensland Soc. Sugar Cane Technol. Proc.* 15: 165-169. 1948. 65.9 Q332
- Sugarcane.
1176. KISTE, W. R. VAN DER. Blister blight, some financial aspects of its control. *Ceylon Tea Res. Inst. Tea Q.* 19:48-49. July 1947. 68.18 C33
- Control of Exobasidium vevans.
1177. KLATEN, J. A. PROEFSTATION VOOR VORSTENLANDSCHE TABAK. Jaarverslag, 1938/39. Klatten, Java. Proefsta. v. Vorstenland. Tabak Meded. 88, 43 p., illus. 69.9 K66
- Phytopathologische waarnemingen, by T. H. Thung, p. 24-28. On diseases of tobacco and other plants in Java. Previous reports are similar; later reports are not available.
1178. KLOTZ, L. J., and FAWCETT, H. S. Color hand-book of citrus diseases. Ed. 2, rev. and enl. Berkeley, U. Calif., 1948. 119 p. 464.0 K69
- Forty colored plates.
1179. KOCH DE BROTONS, L. Investigación, experimentación y estudios. Podredumbre de las raicillas o "cáncer de los citros." Uruguay. Dir. de Agron. B. Inform. sobre Sanid. Veg. 1(3):8-16. Aug. 1949. 9.9 U83B
1180. KOTILA, J. E. Rhizoctonia (R. solani) foliage disease of Hevea brasiliensis. *Phytopathology* 35:739-741, illus. Sept. 1945. 464.8 P56
- Note on a study of infected leaves from Tingio Maria, Peru.
1181. KRAMER, M. Como reconhecer, evitar e combater algumas doenças de hortaliças. *Biológico* 12:186-192, illus. July 1946. 442.8 B529
- Virus diseases of vegetables in São Paulo, Brazil, including mosaic of lettuce, cucumber, French bean, and vira-cabeça de tomate.
1182. KRAMER, M. A degenerescência e a defesa da cultura da batatinha. *Biológico* 5:265-272, illus. Dec. 1939. 442.8 B529
1183. KRAMER, M. As doenças de vírus das plantas. *Biológico* 3:51-54. Feb. 1937. 442.8 B529
- Virus diseases of tobacco, potatoes, tomatoes, and citrus; symptoms; transmission.
1184. KRAMER, M., and ANDRADE, A. C. DE. Estudos sobre adesivos da calda bordaleza. *Biológico* 9: 317-330, illus. Sept. 1943. 442.8 B529
- English summary.
- Describes experiments in which "12 different adhesives incorporated in Bordeaux spray were tested on potato plants in 1942" in the State of São Paulo, Brazil. Fungicidal value was established in terms of increase in production [potatoes] rather than of disease control.
1185. KRAMER, M., ORLANDO, A., and SILBERSCHMIDT, K. M. Estudos sobre uma grave doença de vírus, responsável pelo deperimento de nossas culturas de alface. *Biológico* 11:121-134, illus. May 1945. 442.8 B529
- English summary.
- Mosaic of lettuce, probably caused by Lactuca virus 1 Jagger; serious damage to the crop in the State of São Paulo, Brazil.
1186. KRAMER, M., and SILBERSCHMIDT, K. A "faixa das nervuras," uma doença de vírus do fumo encontrada no estado de São Paulo. *São Paulo Inst. Biol. Arg.* 11:165-188, illus. 1940[1941]. 442.9 Sa6
- English summary.
- Results of experiments describing the transmissibility of the disease by sap and by grafting.
1187. KRAMER, M., and FRANCO DO AMARAL, J. A identificação da "murcha bacteriana" (Phytophthora solanacearum) presente em culturas de batatinha do Estado de São Paulo. *Biológico* 10:199-207, illus. July 1944. 442.8 B529
1188. KRAMER, M. O mosaico da roseira. *Rev. Agr. [Piracicaba]* 15:301-311, illus. July/Aug. 1940. 9.2 R324
- English summary.
1189. KRAMER, M. Os mosaicos da roseira no Estado de S. Paulo. *Biológico* 6:365-368, illus. Dec. 1940. 442.8 B529
1190. KRAMER, M. A "perna preta" da batatinha. *Biológico* 7:350-353, illus. Dec. 1941. 442.8 B529
- Erwinia Phytophthora.
1191. KRAMER, M. O reconhecimento das doenças de vírus das plantas. *Biológico* 3:331-336, illus. Nov. 1937. 442.8 B529
- Work reported on potato and tobacco virus diseases.
1192. KRAMER, M. A "Sarna prateada" da batatinha. *Biológico* 8:83-86, illus. Mar. 1942. 442.8 B529
- Spondyliocladium atrovirens.
1193. KRAMER, M. A transmissão experimental e a identificação de uma doença de vírus do tomateiro. *Biológico* 13:44-47, illus. Feb. 1947. 442.9 B529
1194. KREIBOHN DE LA VEGA, G. A. Improductividad del algodonero. Un interesante caso de acromantía o puntas locas ("crazy-top"), observado en dos lotes de algodón en el Departamento de Trancas, provincia de Tucumán. *Rev. Indus. y Agr. de Tucumán* 28:127-133, illus. Apr./June 1938. 9 T79
- A physiological disease of cotton.
1195. KREIBOHN DE LA VEGA, G. A. Medidas de precaución contra la enfermedad de la caña llamada "pokkah boeng" o "mal de la escalera." Tucumán. *Estac. Expt. Agr. C* 140, 12 p., illus. 1947. 102.5 T79
- "Twisted top" caused by Fusarium moniliforme.
1196. KREIBOHN DE LA VEGA, G. A. El problema del "carbón" en la caña de azúcar, Paraguay. *Min. de Agr. Rev.* 5:58-64. Jan. 1945. 9.7 Ag8Re
- Recommendation of varieties resistant to smut produced by Ustilago scitaminea.
1197. KREIBOHN DE LA VEGA, G. A. Situación actual de las variedades de caña de azúcar con relación a la plaga del "carbón." Tucumán. *Estac. Expt. Agr. B*, 61, 40 p. 1947. 102.5 T79B
1198. KRISHNASWAMI, C. S. Virus diseases of plants. *Madras Agr. J.* 26:369-394. Oct. 1938. 22 M262
- Economic importance; nature and properties of virus; effect on host; means of spread of virus diseases; methods of combating the diseases.

1199. KRUG, H. P. Cafés duros, I-III. [São Paulo] Inst. de Café Rev. 15:636-638, 1393-1396, 1827-1831. 1940. 68.29 Sa63
- English summaries for parts II and III.
1. No sub-tittle, II. Umestudo sobre a qualidade dos cafés de varrição, III. Relação entre porcentagem de microorganismos e qualidade do café.
- Fusarium concolor, the most common fungus found; affects taste of coffee.
1200. KRUG, H. P. Conceção moderna sobre a origem dos cafés duros. Rev. de Agr. [Piracicaba] 20: 416-426. Sept./Dec. 1945. 9.2 R324
- Theories as to cause.
1201. KRUG, H. P. Segunda contribuição para a distribuição geográfica da murcha do algodoeiro (Fusarium vasinfectum) no Brasil. São Paulo. Inst. Agron. Campinas C. 5, 2 p. 1937. 102.5 Sa6
- English summary.
- Observations on cotton wilt from plants growing in the State of Pernambuco. The disease is prevalent in nearly all cotton growing regions of northeastern Brazil.
1202. KUGLER, W. F., and REMUSI, C. Algunas características morfológicas, fitopatológicas y de resistencia a las heladas en variedades agrícolas de lino cultivadas en la Estación experimental de Pergamino durante los años 1937 y 1938. "Granos" (Semilla Seleccionada) 3(3):3-24; (4):3-36, illus. Mar.-Apr. 1939. 9 G762
- English and German summaries.
1203. KULKARNI, G. S. Baluchistan sulphur for jowar smut. Cur. Sci. 13:48. Feb. 1944. 475 Sci23
- Baluchistan sulphur mines in India as source of sulphur during the war.
1204. KULKARNI, G. S. Some points still to be worked out in the cotton wilt (Fusarium) disease. Indian Cent. Cotton com., Bombay. Conf. Cotton Growing Problems, India (1941):168-171. 72.9 C764
- Contents: 1. Dissemination through the seed, 2. The occurrence of the wilt disease in India.
1205. KUMAR, L. S. S. Crop protection from parasitic flowering plants, Phanerogamic parasites. India. Bd. Agr. & Anim. Husb. Crop & Soils Wing Proc. 2(1937):341-342. 1939. 22 In233
- Of the destructive flowering parasitic plants Cuscuta, Loranthus, Orobanche and Striga are found in India.
1206. KUMAR, L. S. S. A new phanerogamic parasite of Andropogon sorghum (jowar). Cur. Sci. 7:19-20, illus. July 1938. 475 Sci23
- Root parasite, Sopubia delphinifolia.
1207. LAMAS, C., J. M. Informe sobre el estudio de una anomalía en el desarrollo vegetativo del algodón en el valle de Piura (Zona de Sechura). Lima, Peru, Estac. Expt. Agr. de La Molina, Informe 47, 7 p., illus. Aug. 1938. 102.5 L622in
- Physiological condition, called "tomosis."
1208. LAMB, J. A report on blister blight disease in Ceylon tea plantations. Ceylon Tea Res. Inst. Tea Q. 20: 149-159. Dec. 1949. 68.18 C33
- Contents: 1. The history of the disease; 2. A review of its effect on the tea industry; 3. The work of the Tea Research Institute; 4. Recommendations for future research work on methods for controlling blister blight.
1209. LANDAUERDE, A. El limonero y demás plantas cítricas. Mexico, B. Trucco, 1943. 166 p., illus. 93.33 L23
- Enfermedades de las plantas cítricas, p. 149-157.
1210. LANE, F. W. J., and GREENSLADE, R. M. Impressions of the blister blight control problem. Ceylon Tea Res. Inst. Tea Q. 20:132-145. Dec. 1949. 68.18 C33
- Includes discussion.
1211. LANGFORD, M. H. Science's fight for healthy Hevea...against the South American leaf blight—the major foe of the Para rubber tree. Agr. in the Amer. 4: 151-153, 158, illus. Aug. 1944. 1 F752A
- Caused by Dothideaella ulii.
1212. LARRAURI, J. E. Nudosidades de las ramas de los cítricos causadas por el "Sphaeropsis tumefaciens." Dominican Repub. Sec. de Estado de Agr. Pecuario y Colon. Agr. 38(173):38-39, illus. July/Aug. 1947. 8 R323
- In the District of Santo Domingo, Dominican Republic.
1213. LARTER, L. N. H. Disease of cabbages. Jamaica Agr. Soc. J. 45:37. Jan./Feb. 1941. 8 J223
- Pseudomonas campestris, the cause of black rot.
1214. LARTER, L. N. H. Panama disease control. Jamaica Agr. Soc. J. 44:257-258. June/July 1940. 8 J223
- Banana wilt.
1215. LARTER, L. N. H., and MARTYN, E. B. A preliminary list of plant diseases in Jamaica. Imper. Mycol. Inst. Kew. Mycol. Papers 8, 16 p. Kew, 1943. 451 In73m
1216. LATHBURY, R. J. The appearance of a new physiologic form of stem rust in Kenya Colony. East African Agr. J. 4:183-185. Nov. 1938. 24 Ea74
- Stem rust of wheat produced by Puccinia tritici.
1217. LEACH, J. G. Insect transmission of plant diseases. N. Y. McGraw-Hill, 1940. 615 p., illus. 423 L462
- Includes the transmission of virus diseases in the Tropics.
1218. LEACH, R. Banana leaf spot investigations. 1-2. Jamaica Agr. Soc. J. 44:454-457, 499-502; 45:80-81. Nov.-Dec. 1940; Mar. 1941. 8 J223
1. The basis of control, 2. The sexual spore stage of the leaf spot fungus.
1219. LEACH, R. Banana leaf spot (Mycosphaerella muscicola) on the "Grand Mich" variety in Jamaica; investigations on the aetiology of the disease and the principles of control by spraying. Kingston, 1946. 118 p., illus. 464.06 L46
- Mycosphaerella muscicola (Cercospora musae).
1220. LEACH, R. Banana leaf spot Mycosphaerella muscicola, the perfect stage of Cercospora musae Zimm. Trop. Agr. [Trinidad] 18:91-95, illus. May 1941. 26 T754
1221. LEACH, R. The unknown disease of the coconut palm in Jamaica. Trop. Agr. [Trinidad] 23:50-60, illus. Mar. 1946. 26 T754
- Known locally as west-end bud rot.
1222. LEAKE, H. M. "Carbon" disease [Ustilago scitaminea]. Some further facts from the Argentine. Internat. Sugar J. 47:233-236. Sept. 1945.
- Smut on sugarcane particularly in the Province of Tucumán and the neighboring Provinces of Jujuy and Salta.
1223. LECUONA, R. J. Podredumbre humeda de la batata. Argentina. Min. de Agr. Almanaque 23:203. 1948. 9 A-874
1224. LEECE, C. W. Downy-mildew disease of sugar cane and other grasses. Queensland Bur. Sugar Expt. Stas., Techn. Comm. 1941:111-135, illus. 1941. 65.9 Q3T
- Sclerospora sacchari, causal agent.
- Alternate hosts were maize, teosinte, sorghum and other grasses.
1225. LEECH, C. W. Mosaic disease of sugar-cane. Queensland, Bur. Sugar Expt. Stas., Cane Growers' Q. B. 6:16-19, illus. July 1, 1938. 65.9 Q3C
- In southern Queensland.
1226. LEER, R. VAN. Premiers résultats de la lutte contre les pourridies de l'hévéa a Yangambi. Inst. Natl. pour l'Etude Agron. du Congo Belge. Semaine Agr. de Yangambi, 1947. Compt. Rend. 2:691-707. 35.4 In7
1227. LEONTOVITCH, C., and SAEGER, H. DE. Marasmium sp., nouveau parasite du cotonnier dans le District du Congo-Ubangi. B. Agr. du Congo Belge 31:137-143, illus. Mar./Dec. 1940. 24 K63
- Notes au sujet de la culture du coton dans le Congo-Ubangi, III.
1228. LEPEGE, H. S., and FIGUEREDE, E. R., JR. Contribuição para o levantamento fitossanitário do Estado de São Paulo. Pragas e doenças do litoral paulista, observadas no período 1930-1944. São Paulo, 1945. 116 p. 464 L552
- Diseases listed under host name.
1229. LEPEGE, H. S., and GONÇALVES, L. I. Notas phyto-sanitarias. III [i. e. II]. O Synchronium endobiotum (Schilb.) Percival. A "sarna preta" da batatinha. [São Paulo] B. de Agr. 40(1939):216-228, illus. 1940. 9.2 Sa63
- No. 1 deals with insect diseases.
1230. LEPEGE, H. S., GIANNOTTI, O., and ORLANDO, A. Notas sobre o combate ao nematode da raiz [Heterodera marioni] pelo fumigante DD. Biológico 13:123-124, illus. July 1947. 44.2 B529
1231. LEPESEME, P. Ennemis et maladies du caféier en Afrique Intertrropicale; diagnose pratique et moyens de lutte. Paris, Larose, 1941. 63 p., illus. 464.09 L556
1232. LEROY, F. V., and HENDRICKX, F. L. Contribution à l'étude des dégâts causés par les Antestia aux caféiers (Coffea arabica L.). Inst. Natl. pour l'Etude Agron. du Congo Belge. P., Sér. Sci. 26:3-9, illus. 1942. 24 In7
- The infestation of coffee in the Kivu region of the Belgian Congo by insects of the genus Antestia.

1233. LETELIER A., E. Factores climáticos que condicionan el ataque del Puccinia graminis tritici en Chile. Chile. Dir. Gen. de Agr. Agr. Téc. 4:170-178. Dec.1944. 464.9 C432B
- English summary
1234. LEYENDECKER, P. J. The occurrence of cabbage yellows in southern New Mexico. Plant Dis. Rptr. 32:346. Aug.15,1948. 1.9 P69P
1235. LIMA, A. D. F., and CRUZ, H. M. D. O anel vermelho do coqueiro (subsídios para o seu estudo). Brazil. Dept. Nac. da Prod. Veg. Div. de Defesa Sanit. V. 8. Fitossanit. 2:87-114, illus. June 1945, pub.1947. 464.9 B732
- Aphelenchoides cocophilus.
1236. LIMA, A. D. F. Uma doença grave do abacateiro. Rev. Agron. Rio Grande do Sul 1:486-489, illus. Oct. 1937. 9.2 R325
- Sphaceloma perseae, causal agent.
1237. LIMA, A. R., and COSTA, A. S. Variedades de umna resistentes a "vira-cabeça." Rev. de Agr. [Piracicaba] 15:133-140, illus. Mar./Apr.1940. 9.2 R324
- English summary.
1238. LIMA, PERU. ESTACION EXPERIMENTAL AGRICOLA DE LA MOLINA. Memoria (1941) 14. Lima, 1942? 276 p. 102.5 L622M
- Servicio especializado de fitopatología, by G. García Rada, p. 233-254. Results of experimental work on cotton wilt and wheat rust.
- Earlier reports are similar; later reports are not available.
1239. LIMON BADILLO, B. Algunas enfermedades fungosas del cacaoero en Tabasco. Mex. Ofic. Fitosaint. Fitosaint 4:193-239, 288-318, illus. July/Aug., Sept./Oct.1945. 421 F55
- In the State of Tabasco, Mexico.
- Ch. I. Enfermedades de la raíz; Ch. II. Enfermedades del tallo; Ch. III. Enfermedades del fruto.
1240. LINDNER, R. C., JENSEN, D. D., and IKEDA, W. Ring-spot; new papaya plunderer. Hawaii Farm & Home 8(10:10-12, 14. Oct.1945. 25 H3191
- In the Kailua district of Oahu.
1241. LINDQUIST, J. C. Especies argentinas del género "Peronospora." Physis 15:13-20. Mar.1939. 516 Solt2
1242. LINDQUIST, J. C. Muerte de manzanos ocasionada por Phytophthora cactorum. La Plata, U. Nac. Facul. de Agron. Rev. 21:195-199, illus. 1938. 9 R32
- Experimental work of the Phytopathological Laboratory, La Plata, Argentina.
1243. LINDQUIST, J. C. Nota crítica sobre una Uredinea Argentina Malsia imperialis (Speg.) comb. nov. La Plata, U. Nac. Mus. Notas 4(23):165-167, illus. July 17,1939. 451 L31
- Uredo imperialis, M. holwayii, rust fungi of Argentina.
1244. LINDQUIST, J. C. Uredineas nuevas o críticas. La Plata U. Nac. Mus. Notas 8(42):135-140, illus. July 15,1943. 451 L31
- New species in Uromyces and Puccinia, in Argentina.
1245. LLANO GOMEZ, E. El cultivo del cacao. Agricultura [Bogotá] 12:849-923, illus. (pt. col.). Nov./Dec.1940. 9.4 In22
- Enfermedades p. 908-922.
1246. LLOBREGAT BALAGUER, E. Podredumbre de las raíces de naranjo. Corp. Frutícola Argentina. Rev. Ofic. 11(132):21-22. Dec.31,1945. 83 C81
1247. LLOSA P., T. El caldo sulfocálcico y su aplicación como fungicida. Agronomía [La Molina] 4(16):43-48. Apr. 1939. 9.8 Ag83
1248. LLOSA P., T. Enfermedades del trigo (Instrucciones para el control de la "carie," el "carbón" y el "tizón del nudo." Lima, Peru, Estac. Expt. Agr. La Molina, C. 40,11 p. Sept.1937. 102.5 L622
- Control of smut on wheat in Peru, caused by Helminthosporium sativum.
1249. LLOSA P., T. Informe sobre las enfermedades de palto y del naranjo en la zona de Chanchamayo. Lima, Peru, Estac. Expt. Agr. de La Molina, Informe 50,33 p., illus. Apr.1939. 102.5 L622In
- Also in [Peru] Min. de Fomento, Dir. Agr. y Ganad. B. 9:133-168, illus. 1938. (Oct.20,1939). 9.8 P43B
1250. LLOSA P., T. Investigaciones referentes al "wilt" del algodónero y nuevo método para aislar hongos del tipo Verticillium o Fusarium de plantas atacadas por el "wilt" del algodónero. Lima, Peru, Estac. Expt. Agr. de La Molina, B. 13,22 p., illus. Apr.1938. 102.5 L622B
- English summary.
1251. LLOSA P., T. Una nueva enfermedad en los Eucalyptus. Lima, Peru, Estac. Expt. Agr. de La Molina, C. 41,5 p., illus. Oct.1937. 102.5 L622
- Pestalozzia sp. on E. robusta, E. globulus, and E. tereticornis.
1252. LLOSA P., T. Plagas y enfermedades de la papa en la provincia Aija. Vida Agr. 19:713,715-716. Oct. 1942. 9.8 V66
- In Peru.
1253. LOMBARD, F. F. Review of literature on cinchona diseases; injuries, and fungi. U. S. D. A. Bibliog. B. 9,70 p. 1947. 1 Ag84B1
- This publication has been prepared in an effort to bring together the world literature on the diseases of cinchona.
1254. LOOS, C. A. A blight of carrot leaves. Trop. Agr. Ceylon 93:343-345, illus. Dec.1939. 26 T751
- Macrosporium carotae.
1255. LOOS, C. A. Some diseases of garden plants. Trop. Agr. [Ceylon] 96:22-27, illus. Jan.1941. 26 T751
- Diseases of Gerbera jamesoni, Chrysanthemum leucanthemum, Gomphrena globosa, Pentstemon barbatus and Salvia farinacea due to leaf eelworm Aphelenchoides olesistius and to a disease of chrysanthemum due to the fungus Sphaeria oboea.
1256. LOOS, C. A. Some virus diseases of Stachytarpheta. Trop. Agr. [Ceylon] 98:8-12, illus. Jan./Mar. 1942. 26 T751
- Mosaic, rosette, and yellow vein banding of S. jamaicensis, a common weed of Ceylon.
1257. LOOS, C. A. A virus disease of Emilia scabra. Trop. Agr. [Ceylon] 97:18-21, illus. July 1941. 26 T751
- A disease of the tasselflower weed transmitted by grafting.
1258. LOPEZ CRISTOBAL, U. La anguillosis de la alfalfa en la República Argentina. Argentina. Inst. de Sanid. Veg. P. Ser. A, 2(20),36 p., illus. Buenos Aires, 1946. 464.9 Ar323
1259. LOPEZ DOMINGUEZ, F. A. El mosaico en la caña de azúcar. Agricultura [Bogotá] 9:23-42. Jan.1937. 9.4 In22
1260. LOPEZ, R. C. Informe fitopatológico sobre la plantación de cinchona en Punizas. Peru. Dir. de Asuntos Orientales, Colon, y Terrenos de Oriente. Colon, y Foresta 1(2/3):5-12, illus. Apr./Sept.1944. 9.8 P435
1261. MCCLEAN, A. P. D. The virus diseases of plants. They are infectious, like bacterial and fungal diseases. Agr. & Indus. Mon. (Manila) 5:30-31,33, illus. June 1938. 25 Ag82
- Popular account.
1262. MCCORMACK, R. B. Algumas observações sobre as molestias das plantas em Pernambuco. Pernambuco. Sec. de Agr., Indús. e Com. B. 2:99-104. Apr.1937. 9.2 P423
- Plant diseases in Brazil; diseases of cotton, tomato and fruit.
1263. McDONALD, J. Diseases of coffee. In his Coffee in Kenya. Nairobi, 1937. p.148-190, illus. 68.2 K42C
- Includes key-index to coffee diseases.
1264. MCDOUGALL, W. A. Dwarf disease in the Macay District. Queensland. Bur. Sugar Expt. Stas. Cane Growers' Q. B. 10:36-38, illus. July 1946. 65.9 Q3C
- Sugar cane.
1265. MACEDO, A. Doenças do agave. Brazil. Min. da Agr. B. 32(7):27-28. July 1943. 9.2 Ag83
- Didymaria sp. on Agave in the State of Paraíba.
1266. MACHADO, A. A. O "anel vermelho" do coqueiro. Agr. e Pecuaría 17(281):32-33. Sept.1946. 9.2 Ag89
- Aphelenchoides cocophilus.
1267. MACHADO, A. A. As doenças das plantas, suas causas e seus danos. Pernambuco. Sec. de Agr. Indús., e Com. B. 12:299-307. 1945. 9.2 P423
1268. MACHADO, A. A. Sobre a ocorrência do "anel vermelho" no Estado da Paraíba. Pernambuco. Sec. de Agr., Indús. e Com. B. 14:140-143. Jan./Mar.1947. 9.2 P423
- Aphelenchoides cocophilus on coconut.
1269. MCKEE, R. K. Experiments on the control of mango anthracnose by spraying. Trop. Agr. [Trinidad] 17:115-117. June 1940. 26 T754
- Describes results of a three-year experiment.
1270. MACKINNON, J. E. Identificación de algunos hongos del género Aspergillus: aislados en Montevideo. Reunión Sul-Amér. de Bot. (1938) 1(2):215-231, illus. 1940. 451 R31
- In Uruguay.
1271. MCKNIGHT, T. Crinkle virus disease of strawberry. Queensland. Agr. J. 67:102-104, illus. Aug.1948. 23 Q33
- In Queensland.

1272. MCKNIGHT, T. Diseases of root crops. Queensland Agr. J. 61:152-158, illus. Sept. 1945. 23 Q33
Root diseases of truck crops: carrots, beets, and turnip.
1273. MCKNIGHT, T. Scab disease of Gladiolus. Queensland Agr. J. 66:104-105, illus. Feb. 1948. 23 Q33
Caused by *Bacterium marginatum*. In Queensland.
1274. MCKNIGHT, T. Water blister disease of pineapple. Queensland Agr. J. 55:180-182; 62:278; 66:160. Mar. 1941; May 1946; Mar. 1948. 23 Q33
Caused by a fungus of the genus *Thielaviopsis*.
1275. MCKNIGHT, T. Yellow crinkle disease of papaws; provisional control measures. Queensland Agr. J. 69:153-157, illus. Sept. 1949. 23 Q33
1276. MACLACHLAN, J. D. A rust of the pimento tree in Jamaica, B. W. I. Phytopathology 28:157-170, illus. Mar. 1938. 464.8 P56
Puccinia psidii on pimenta (*Pimenta officinalis*). A study concerned with the biology of the causal organism, the factors affecting incidence of the disease, and a discussion of control methods.
1277. McMARTIN, J. Sugar cane smut; a report on visits to the sugar estates of Southern Rhodesia and Portuguese East Africa, with general observations on the disease. So. African Sugar J. 32:737, 739, 741, 743, 745, 747, 749. Dec. 1948. 65.8 So8
1278. MACOLA, T. Contribución al conocimiento de la distribución geográfica de algunas enfermedades provocadas por los hongos en la vid y los frutales en la provincia de Mendoza. Cong. Frutícola San Juan [Traub] (1936)4:342-352. 1939. 93.09 CT623
Distribution of downy mildew, powdery mildew, and anthracnose of grape; powdery mildew of apple; apple and pear scab; blight of stone fruits, leaf curl of peach, rust of peach and plum; powdery mildew of peach.
1279. MADARANG, SERVANDO A. Rhizoctonia damping-off of cinchona seedlings. Philippine J. Forestry 4:105-119, illus. 1949. 93.8 P52
Similar to, if not identical with, *R. solani*.
1280. MADRAS PRESIDENCY. DEPT. OF AGRICULTURE. Reports of subordinate officers for the year 1940/41. Madras, 1942. 20 p. 22 M26Re
Pests and diseases, p. 10. Brief mention of the control of palm bud-rot, dieback on chillies, and mildew of grapevines by spraying.
Earlier reports deal with the diseases of rice, tobacco, cotton, bananas, sugarcane, potatoes, ginger, and coconut.
1281. MADRIZ, N., T. S. Consideraciones sobre la campaña fitosanitaria de cacao. Agr. Venezol. 3:21-23. May/June 1944. 9.95 Ag8
Campaign of the Venezuelan Despacho de Agricultura against diseases, begun in 1940.
1282. MAHMUD, K. A. Survey of foot-rot of pan (Piper betle) in the Central Provinces. Nagpur Agr. Col. Mag. 24:3-6. Dec. 1948-Mar. 1949. 107.5 N132
Phytophthora parasitica piperina.
1283. MALLAMAIRE, A. La gommose parasitaire des agrumes. Agron. Trop. 3:489-496, illus. Sept./Oct. 1948. 26 Ag86
In West Africa and in the Antilles (Guadeloupe, Martinique, Trinidad). Disease due to the fungi *Phytophthora citrophthora* and *P. parasitica*.
1284. MALLAMAIRE, A. Maladies, plantes parasites et plantes infestantes des riz cultures en Afrique Occidentale. Agron. Trop. 4:77-80, illus. Jan./Feb. 1949. 26 Ag86
Maladies cryptogamiques, p. 77-79.
1285. MALLAMAIRE, A. Note sur quelques maladies des légumineuses d'ombfrage et de couverture en Afrique occidentale. B. Agr. du Congo Belge 40:1831-1844, illus. June 1949. 24 K83
With comment by R. L. Steyaert.
1286. MALLAMAIRE, A. Les pourridies du caféier en Afrique Occidentale. Agron. Trop. 4:508-514, illus. Sept./Oct. 1949. 26 Ag86
Includes discussion.
Caused by *Fomes lignosus*, *Fomes lamaoensis*, and *Armillariella mellea*.
1287. MALLAMAIRE, A. La pourriture vermiculaire du bananier de chine causée par *Anguillulina similis* Goodey en Afrique Occidentale Française. Agron. Colon. 28:33-42, 65-75, illus. Feb.-Mar. 1939. 26 Ag812
1288. MALLAMAIRE, A. Les principaux nématodes, myriapodes et insectes parasites des caféiers cultivés dans l'Ouest africain français. Ann. Agr. de l'Afrique Occident. 1:1-45, illus. Jan. 1937. 24 An7
Anguillule des racines, p. 3-4.
Heterodera radicolica.
1289. MALLONGA, A. C. Root rot of some Philippine forest trees caused by *Ganoderma lucidum* (Leyl.). Karsten. Philippine J. Forestry 4:1-13, illus. 1941. 99.8 P53
1290. MANDELSON, L. F. Brown spot of the Emperor of Canton mandarin and its control. Queensland Agr. J. 50:132-143, illus. Aug. 1938. 23 Q33
The identity of the organism causing antracnose of mandarin is in doubt.
1291. MANDELSON, L. F., and TOMMERUP, E. C. Yellow patch of tobacco seedlings. Queensland Agr. J. 52:280-294, illus. Sept. 1, 1939. 23 Q33
Also in Queensland. Dept. Agr. & Stock, Pam. 63, 16 p., illus. 1939. 423.92 Q3P
Physiological disease associated with use of excessive quantities of organic nitrogen in mixed fertilizers.
1292. MANGENOT, G., ALIBERT, H., and BASSET, A. Sur les caractères du "swollen-shoot" en Côte d'Ivoire. Rev. Internat. de Bot. Appl. et d'Agr. Trop. 26:173-184, illus. May/June 1946. 26 R323
Swollen shoot of cacao in Africa.
1293. MANGENOT, G., ALIBERT, H., and BASSET, A. Sur les lésions caractéristiques du swollen shoot en Côte d'Ivoire. Paris Acad. Sci. Compt. Rend. 222:749-751. Mar. 1946. 505 P21
Swollen shoot of cacao.
1294. MANNING, J. D. Blister blight situation in April and May 1947. Planters' Chron. 42:295-298. July 1, 1947. 22 P693
Exobasidium vexans on tea in south India.
1295. MANNING, J. D. Developments in the blister blight situation during the south-west monsoon (June-Sept. 1947). Planters' Chron. 42:505-510. Nov. 15, 1947. 22 P693
Exobasidium vexans on tea in south India.
1296. MANNING, J. D. Developments in the blister blight situation: Oct./Nov. 1947. Planters' Chron. 43:55-56. Feb. 1, 1948. 22 P693
Exobasidium vexans on tea in south India.
1297. MANNING, J. D. A review of developments in the [tea] blister blight situation between December 1946 and March 1947. Planters' Chron. 42:145-150, 177-179. Apr. 1, 15, 1947. 22 P693
Exobasidium vexans on tea in south India.
1298. MARANON, J., and BARTLETT, H. H. Cinchona cultivation and the production of tannin in the Philippines. Philippine U. Nat. & Appl. Sci. B. 8:111-187, illus. Mar. 1941. 475 P532
Problems of disease, p. 123-127.
1299. MARAVALLAS, N. Nova substancia anti-criptogamica sugestes para o estudo do aproveitamento, na lavoura, de novo sal de cobre. Rev. de Agr. [Piracicaba] 16:182-184. Mar./Apr. 1941. 9.2 R324
1300. MARCHIONATTO, J. B. Anton de Bary, propulsor de la fitopatología. Agronomía [Buenos Aires] 30:186-192, illus. Apr. 1941. 9 B864
1301. MARCHIONATTO, J. B. Argentine Republic: An epiphytic wheat septoriosis. Internat. B. Plant. Protect. 15:113M-114M. June 1941. 464.8 In8
1302. MARCHIONATTO, J. B. Argentine Republic: "Fermented" maize ears and control measures. Internat. B. Plant. Protect. 12:25M-26M. Feb. 1938. 464.8 In8
1303. MARCHIONATTO, J. B. Argentine Republic: First record of *Eutima carotovora* in the country. Internat. B. Plant. Protect. 13:177M. Aug. 1939. 464.8 In8
Isolated from white cabbages and from peppers.
1304. MARCHIONATTO, J. B. Argentine Republic: Fungous parasites new to the country. Internat. B. Plant. Protect. 11:197M. Sept. 1937. 464.8 In8
List.
1305. MARCHIONATTO, J. B. Argentine Republic: Further investigations on the "lepra explosiva" of the orange. Internat. B. Plant. Protect. 15:1M-3M. Jan. 1941. 464.8 In8
1306. MARCHIONATTO, J. B. Argentine Republic: Pepper wilt and control measures in the Province of Mendoza. Internat. B. Plant. Protect. 15:90M-91M. May 1941. 464.8 In8
Disease of pepper (*Capsicum*) attributed to *Fusarium vasinfectum*.
1307. MARCHIONATTO, J. B. Argentine Republic: researches on the pepper diseases at Salta and Jujuy. Internat. B. Plant. Protect. 12:169M-170M. Aug. 1938. 464.8 In8
Pepper blight (*Phytophthora capsici*) in the district of the Lerma Valley and in the departments of Campo Santo and El Carmen.

1308. MARCHIONATTO, J. B. Argentine Republic: The effects of rust on the poplar groves of the Delta. Internatl. B. Plant Protect. 11:173M-174M. Aug.1937. 464.8 In8
- Melampsora larici-populina and M. alii-populina.
1309. MARCHIONATTO, J. B. Argentine Republic: The "mancha bacteriana" of the tomato. Internatl. B. Plant Protect. 14:25M. Feb.1940. 464.8 In8
- Phytopomona vesicatorum.
1310. MARCHIONATTO, J. B. Argentine Republic: Transmission of the "lepra explosiva" of the orange by mites. Internatl. B. Plant Protect. 12:121M-122M. June 1938. 464.8 In8
1311. MARCHIONATTO, J. B. Argentine Republic: Tulip fire (Botrytis tulipae) a disease new to the country. Internatl. B. Plant Protect. 15:133M. July/Aug.1941. 464.8 In8
- Brief article.
1312. MARCHIONATTO, J. B. Argentine Republic: Wilting of the terminal bud in potato. Internatl. B. Plant Protect. 15:161M-162M. Sept.1941. 464.8 In8
- Brief article on new disease—its characteristics and transmissibility.
1313. MARCHIONATTO, J. B. Contribucion al conocimiento del Botrytis cinerea en la Republica Argentina. J. Agron. y Vet. 1937:119-195, illus. (col.). 1938. 9 J82
- causing gray rot.
1314. MARCHIONATTO, J. B. La contribucion de Carlos Spegazzini a la fitopatologia Argentina. La Plata U. Nac., Facul. de Agron. Rev. 25:11-20, illus. Dec.29, 1943. 9 R32
1315. MARCHIONATTO, J. B. El control del "damping-off" enfermedad de los almacigos. Cien. e Invest. 3:164-165, illus. Apr.1947. 475 C482
- In Argentina.
1316. MARCHIONATTO, J. B. El "corazon mohoso" de la manzana. Rev. Argentina de Agron. 5:179-186, illus. Sept.1938. 9 R327
- Nota preliminar.
- Core rot of the apple caused by the fungus Alternaria mali occurring mainly in the Superior Valley of the Rio Negro and Neuquen districts in Argentina.
1317. MARCHIONATTO, J. B. Desarrollo de la fitopatologia en la Republica Argentina. Cien. e Invest. 2:261-262. June 1946. 475 C482
1318. MARCHIONATTO, J. B. Directivas en la lucha contra las enfermedades de las plantas. Rev. Argentina de Agron. 16:29-32. Mar.1949. 9 R327
1319. MARCHIONATTO, J. B. Enfermedades comunes de los rosales y medios para combatirlos. Argentina Min. de Agr. Misc. P. 18,5 p., illus. (col.). 1937. 9 P943
- Also in Campo [Buenos Aires] 27(320):38-40, illus. (col.). June 1943. 9 C15
- Rose diseases.
1320. MARCHIONATTO, J. B. Las enfermedades de las Dalias. Soc. Rur. Argentina An. 74:455-458, illus. May 1940. 9 S01
- Reprinted in B. Agr. [Mendoza] 8:337-347, illus. Oct./Dec.1940. 9 M52B
- Dahlia diseases in Argentina.
1321. MARCHIONATTO, J. B. Las enfermedades de las dalias y su control. Campo y Suelo Argentino 32(386):58-59, illus. Dec.1948. 9 C15
1322. MARCHIONATTO, J. B. Las enfermedades de las plantas cultivadas de la Argentina y sus problemas. In Verdooen, F., ed. Plants and plant science in Latin America, p. 140-142. Waltham, Mass., Chronica Botanica Co., 1945. 453 V58
- Also in Chron. Bot. 7:163-164. July 1942. 450 C46
1323. MARCHIONATTO, J. B. Las enfermedades de las plantas sus causas y remedios. Soc. Cient. Argentina. An. 146:417-428. Dec.1948. 516 S01
- History, ancient and modern theories, pathogenic agents, plant protection, control measures.
1324. MARCHIONATTO, J. B. Enfermedades de los frutales y procedimientos para combatirlos. Ed. p., Buenos Aires, Editorial Sudamericana, 1943. 196 p., illus. 464.06 M33
1325. MARCHIONATTO, J. B. Las enfermedades del clavel y su control. Campo y Suelo Argentino 32(381):20-21, 23, illus. July 1948. 9 C15
1326. MARCHIONATTO, J. B. Las enfermedades del clavel y su fiscalización. Argentina. Min. de Agr. Almanque 16:97-99, illus. (col.). 1941. 9 Ag874
- Also in Campo [Buenos Aires] 28(326):38,69, illus. Dec.1943. 9 C15
1327. MARCHIONATTO, J. B. Las enfermedades del crisantemo y su control. Suelo Argentino 3:180,204, illus. Mar.1944. 9 Su2
- Also in Argentina. Min. de Agr. Almanque (1942):17:279-281, illus. 9 Ag874
1328. MARCHIONATTO, J. B. Enfermedades del gladiolo y del tulipan. Argentina. Min. de Agr. Almanque 18:65-69, illus. 1943. 9 Ag874
1329. MARCHIONATTO, J. B. Enfermedades poco conocidas de las manzanas. Importancia de su conocimiento para el fruticultor. Agricola [Buenos Aires] 33:388-391. May 1937. 9 Ag89
- Includes bitter pit, scald, drought spot, and Jonathan spot.
1330. MARCHIONATTO, J. B. "Ensayo teóricopractico sobre las enfermedades de las plantas" por Filippo Re, un precursor de la fitopatologia. Rev. Argentina de Agron. 14:39-42. Mar.1947. 9 R327
1331. MARCHIONATTO, J. B. Las especies de Septobasidium en la Argentina. Darwiniana 5:248-263, illus. (pt. col.). 1941. 450 D25
- Septobasidium guaraniticum, S. caveniae, n. sp.
1332. MARCHIONATTO, J. B. George L. Fawcett, "pioneer" de la fitopatologia Argentina. Rev. Argentina de Agron. 11:74-78, illus. Mar.1944. 9 R327
1333. MARCHIONATTO, J. B. Los hongos parásitos de las plantas cultivadas. Agronomia [Buenos Aires] 30(155):50-62. May 1937. 9 B864
- A report on new knowledge.
1334. MARCHIONATTO, J. B. Howard Samuel Fawcett (1877-1948). Rev. Argentina de Agron. 16:185-186. Sept.1949. 9 R327
1335. MARCHIONATTO, J. B. Las malezas y las enfermedades de las plantas cultivadas. Agronomia [Buenos Aires] 30:26-36. Aug.1940. 9 B864
- Plant diseases of Argentina.
1336. MARCHIONATTO, J. B. "El manchado" de los granos de arroz y los hongos que lo acompañan. Rev. Argentina de Agron. 10:114-116, illus. June 1943. 9 R327
- English summary.
- Identification of Alternaria sp. and Curvularia pallescens.
1337. MARCHIONATTO, J. B. Manual de las enfermedades de las plantas. Buenos Aires, Editorial Sudamericana, 1944. 368 p., illus. 464 M333
- Describes the principal diseases of economic plants in Argentina and discusses procedures for controlling them.
1338. MARCHIONATTO, J. B. El "moho" del maíz. J. Agron. y Vet. 1941:273-278, illus. (col.). 1942. 9 J82
- English summary.
- A study of Aspergillus flavus, a predominant mold of stored corn.
1339. MARCHIONATTO, J. B. "Mompá" hongo perjudicial a los citrus. Argentina. Min. de Agr. Almanque 19:191-192, illus. 1944. 9 Ag874
- Septobasidium guaraniticum.
1340. MARCHIONATTO, J. B. Nota experimental sobre el "quemado" del arroz ("Piricularia oryzae" Br. et Cav.). Agronomia [Buenos Aires] 30:351-354, illus. (col.). June 1942. 9 B864
1341. MARCHIONATTO, J. B. Nota relacionada con la etiología de la "podredumbre de la raicilla" del naranjo. Rev. Argentina de Agron. 13:96-100. June 1946. 9 R327
- Caused by the nematode Tylenchulus semipenetrans.
1342. MARCHIONATTO, J. B. Nota sobre "Balansia claviceps," hongo parásito de las gramíneas. Rev. Argentina de Agron. 14:175-176, illus. June 1947. 9 R327
1343. MARCHIONATTO, J. B. Nota sobre el Septobasidium pseudocellulatum. Rev. Argentina de Agron. 6:73-75, illus. June 1939. 9 R327
- A fungus on citrus in the coastal region of Argentina.
1344. MARCHIONATTO, J. B. Nota sobre tres especies de "Septoria" parásitas de las plantas. Argentina. Rev. de Invest. Agr. 1:233-235. July 1947. 9 R329
- Septoria galliardiae, S. leucanthemi and S. cercidis.
1345. MARCHIONATTO, J. B. Notas micológicas. Physis 15:133-144, illus. Mar.31, 1939. 516 S012
- Descriptions of 27 species of fungi of phytopathological interest in the Argentine Republic.
1346. MARCHIONATTO, J. B. Una nueva especie de hongo: Rhinotrichum griseoeroseum, n. sp. Rev. Argentina de Agron. 8:277-280, illus. (col.). Dec.1941. 9 R327
- Parasitic on Cercospora capsici.

1347. MARCHIONATTO, J. B. La obra fitopatológica de L. Hauman en la Argentina. Buenos Aires U. Facul. de Agron. y Vet. Rev. 10:363-369. Nov. 1943. 9 B863
1348. MARCHIONATTO, J. B. Parasitismo y antagonismo en los hongos relacionados con la fitopatología. Agronomía [Buenos Aires] 31:15-16, illus. Oct. 1942. 9 B864
1349. MARCHIONATTO, J. B. Podredumbre de la lechuga. Campo y Suelo Argentino 32(377):43. Mar. 1948. 9 C15
1350. Sclerotinia minor.
1350. MARCHIONATTO, J. B. La podredumbre de la raicilla de los citrus provocada por el "Tylenchulus semipenetrans." Argentina. Inst. de Sanid. Veg. [P.], Ser. A (35):1-6, illus. (pt. col.). 1947. 464.9 Ar323
- Also in Corp. Frutícola Argentina. Rev. Ofic. 14(161): 25-26. May 31, 1948. 83 C81
1351. MARCHIONATTO, J. B. La podredumbre de la raicilla del naranjo. Argentina. Inst. Sanid. Veg. [P.], Ser. A, 1:15 p., illus. 1945. 464.9 Ar323
- Due to the nematode Tylenchulus semipenetrans.
1352. MARCHIONATTO, J. B. Podredumbre de las raíces de los árboles frutales. Cong. Frutícola San Juan, [Trab.] 1936(4):377-382, illus. (col.). 1939. 93.09 C7623
- Rosellinia necatrix.
1353. MARCHIONATTO, J. B. Reseña de la sanidad vegetal en la República Argentina. Buenos Aires. U. Facul. de Agron. y Vet. P. 2, 117 p., illus. 1946. 9 B863P
- A study of the development of plant health in Argentina from 1810-1943.
1354. MARCHIONATTO, J. B. La Rhizoctonia solani y la R. crocorum en la República Argentina. J. Agron. y Vet. 1939:327-341, illus. (col.). 1940. 9 J82
- On potato.
1355. MARCHIONATTO, J. B. Servicios oficiales de fitopatología para el agricultor. Suelo Argentino 1:372-373. June 1942. 9 Su2
1356. MARCHIONATTO, J. B. El "tizón" o "podredumbre del tallo" del conejito. Buenos Aires U. Facul. de Agron. y Vet. Rev. 12:3-7, illus. Nov. 1944. 9 B863
- Phyllosticta antirrhini on Antirrhinum majus (snapdragon) in Argentina.
1357. MARCHIONATTO, J. B. Tratado de fitopatología. Buenos Aires, Ediciones Librería del Colegio, 1948. 537 p., illus. 464 M333T
- History of phytopathology, economic importance and description of plant diseases with control measures. Includes glossary of terms used and an index of host plants and diseases.
1358. MARCHIONATTO, J. B. El "verdin" del maíz. Buenos Aires. U. Facul. de Agron. y Vet. Rev. 9:159-169, illus. (pt. col.). Feb. 1942. 9 B863
- English summary.
- Caused by the fungus *Penicillium viridicatum*.
1359. MARENGO, L. V. Fusariosis del girasol (*Helianthus annuus* L.). Buenos Aires U. Facul. de Agron. y Vet. Rev. 10:130-147, illus. Oct. 1942. 9 B863
- English summary.
- A sunflower disease occurring in an experimental field at Buenos Aires and caused by *Fusarium solani* var. *minus*.
1360. MARISCO, D. F. Carie del trigo. Buenos Aires (City) Bolsa de Cereales Rev. 31(1616):30, 32. Sept. 18, 1943. 287 B866
- Treatment for stinking smut of wheat.
1361. MARTIN, G. W. New or noteworthy fungi from Panama and Colombia. I-V. Mycologia 29:618-625:30: 431-441; 31:239-249, 507-518, illus. 1937-39. 450 M99
- Descriptions.
1362. MARTIN, G. W. New or noteworthy tropical fungi. I-III. Lloydia 4:262-269; 5:158-164; 7:67-80, illus. 1941-44. 442.8 L77
- Includes descriptions of new species from Panama, Colombia, and other parts of Tropical America.
1363. MARTIN, J. P. Dead cane at harvest. Hawaii. Planters' Rec. 43:209-216. 1939. 25 H311
- Due in large part to leaf, leaf and stalk, stalk and root diseases which are discussed separately.
1364. MARTIN, J. P., and CONANT, R. K. Disease control and stimulation of cane cuttings by the hot-water treatment. Hawaii. Planters' Rec. 43:277-285, illus. 1939. 25 H311
- Control of chlorotic streak of sugarcane in Hawaii.
1365. MARTIN, J. P. Fiji disease of sugarcane. Hawaiian Planters' Rec. 51:103-118, illus. Second Q. 1947. 25 H311
- History, description, transmission, economic importance, and control.
1366. MARTIN, J. P. The Fiji disease project in Samoa. Hawaii. Planters' Rec. 51:89-101. Second Q. 1947. 25 H311
- Sugarcane diseases, of which Fiji disease offers the greatest threat to the Hawaiian sugar industry.
1367. MARTIN, J. P. Sugar cane diseases in Hawaii. Hawaii. Sugar Planters' Assoc. 1938. 295 p., illus. (col.). 464.043 M36
1368. MARTIN, J. P. 31-1389, its reaction to cane diseases. Hawaii. Planters' Rec. 43:252-254. 1939. 25 H311
1369. MARTIN, R. R. Estado sanitario de los bosques de Tierra del Fuego. Argentina. Min. de Agr. Almanaque 24:423-430, illus. 1949. 9 Ag874
- Woodrotting diseases, p. 425-428.
1370. MARTIN, W. E., and CRANDALL, B. S. Observaciones sobre el cultivo y enfermedades de la cinchona en las plantaciones de Puniza y su avaluación, como fuente de semilla y material de propagación. Peru. Dir. de Asuntos Orientales, Colon. y Terrénos da Oriente, Colon. y Foresta 1:4-15. First Q. 1944. 9.8 P435
1371. MARTIN, W. J. Alternaria leaf blight of Hevea rubber trees. Phytopathology 37:609-612, illus. Sept. 1947. 464.8 P56
- Observed in a budwood garden on the Campo Experimental de Hule, El Palmar, Veracruz, Mexico, in early April, 1946.
1372. MARTIN, W. J. Diseases of the Hevea rubber tree in Mexico 1943-1946. Plant Dis. Rptr. 155-158. Apr. 15, 1947. 1.9 P69P
- Leaf spot, pink disease, dieback, canker, sunscald, mouldy rot, root diseases.
1373. MARTIN, W. J. Mouldy rot of tapping panels of Hevea rubber trees. U. S. D. A. C. 798, 23 p., illus. Jan. 1949. 1 Ag84C
- Caused by *Ceratostomella fimbriata*. Experiments carried out at the Campo Experimental de Hule, El Palmar, Veracruz, Mexico, 1943-47.
1374. MARTIN, W. J. The occurrence of South American blight [Dothidea olei] of Hevea rubber trees in Mexico. Phytopathology 38:157-158. Feb. 1948. 464.8 P56
1375. MARTINEZ, C. W. Enfermedades de la cebolla. Rev. de Agr. [Costa Rica] 14:77-86, illus. Feb. 1942. 8 E51
1376. MARTINEZ, M. M. Sigatoka, una enfermedad fungosa del banano. Amer. Sci. Cong. Proc. (1940) 8(5): 145-154. 1942. 330.9 Am3008
- Leaf spot of banana caused by the fungus *Cercospora musae*.
1377. MARTINEZ ABREU, A. El blight (blait) o tizon tardío del tomate. Agronomía [Habana] 7:6-8. Mar. 1947. 8 C893
- Produced by *Phytophthora infestans*.
1378. MARTINEZ MORENO, J. I. Principales enfermedades que se presentan en el cultivo de la papa en Panamá. Rev. de Agr. y Com. [Panama] 1:47-53, illus. Sept. 1941. 8 R3291
1379. MARTIN, E. B. Coconut diseases in Jamaica. Trop. Agr. [Trinidad] 22:51-59, 69-76, ill. Mar.-Apr. 1945. 26 T754
- Contents. I, Bronze leaf wilt and other diseases affecting the bud of coconuts. II, Diseases affecting the leaves, crown and stem of coconuts.
1380. MARTIN, E. B. Diseases of plants in Jamaica. Jamaica. Dept. Sci. & Agr. B. (n.s.) 32, 34 p. 1942. 8 J227B
1381. MARTIN, E. B. Further observations on the "unknown disease" of coconuts. Trop. Agr. [Trinidad] 26:110-112, illus. July-Dec. 1949. 26 T754
- On the disease as observed in Jamaica
1382. MARTIN, E. B. A note on banana leaf speckle in Jamaica and some associated fungi. Imp. Mycol. Inst. Mycol. Papers, 13, 5 p., illus. Oct. 31, 1945. 451 Im73M
- Closiorium musae n. sp.; Zygophiala jamaicensis n. gen., n. sp.
1383. MARTIN, E. B. Some observations on the diseases of coconuts and bananas in the Province of Magdalena [Colombia]. Trop. Agr. [Trinidad] 26:48-50. Jan.-June 1949. 26 T754
- Notes on a visit to Colombia.
1384. MARTIN, E. B. Sugar cane mosaic in Jamaica. Trop. Agr. [Trinidad] 23:123-129. July 1946. 26 T754

1385. MARTYN, E. B. Tomato diseases and their control. Jamaica, Dept. Agr. Ext. C. 21,7 p. Nov.1948. 275,249 J22
- Fungus diseases.
1386. MARUDARAJAN, D. Plant diseases and their control in relation to increased crop production. Madras Agr. J. 35:263-267. Oct.1948. 22 M262
- Foot rot and blast of rice and smut of sorghum in India.
1387. MARUDARAJAN, D., and KALYANASUBRAMANIAM, S. The use of plain Bordeaux mixture for the successful control of fruit rot (mahali) of arecanuts caused by *Phytophthora arecae* (P. palmivora). Madras Agr. J. 35:169-178. Aug.1948. 22 M262
- Results of experiments conducted at the Village of Mundaje in Madras Province, India, 1940-42.
1388. MAS, E. E. Sobre los alérgicos y vitaminas del *Ustilago maydis* o maza. Soc. Quím. del Perú. B. 4:3-21, illus. Mar.1938. 385 Sol5
- Ustilago zeae.
1389. MASEFIELD, G. B. Some problems of collecting larger fungi in the tropics. Brit. Mycol. Soc. Trans. 24: 64-67. June 1940. 451 B76
1390. MASSONE, E. Una solución al problema del carbón en el trigo. Buenos Aires y La Pampa 99:33,43. Nov./Dec.1948. 9 B868
- Breeding for a variety of wheat resistant to species of *Tilletia* in Argentina.
1391. MAURITIUS. DEPT. OF AGRICULTURE. Annual report, 1948. Port Louis, 1949. 80 p. 22 M443A
- Division of Plant Pathology report, by G. Orfan, p. 69-74. On diseases of sugarcane, tobacco, earthenut, banana, and royal palm.
- Earlier reports by P. O. Wiehe, plant pathologist, are similar with brief notes on diseases of manioc, citrus, litchi fruit, white palm, maize, and sweetpotato.
1392. MAYNE, W. W. Blister blight in the High Range. Planters' Chron. 43:12-16. Jan./1.1948. 22 P693
- Exobasidium vexans on tea in India.
1393. MAYNE, W. W. Factors affecting spray success in the control of coffee leaf disease (*Hemileia vastatrix* B. and Br.). Mysore Coffee Expt. Sta. B. 15,46 p. 1937. 68,29 In22
- A detailed account of 6 years' study conducted at the Coffee Experiment Station, Mysore.
1394. MAYNE, W. W. Insects and fungi in agriculture. Planters' Chron. 34:125-128. Mar./4,1939. 22 F563
- Examines Sir Albert Howard's theory that insects and fungi are not the real cause of plant disease, and only attack unsuitable varieties of crops improperly grown in the light of experience with coffee diseases in south India.
1395. MAYNE, W. W. The possibility of reducing the strength of Bordeaux mixtures for the control of coffee leaf diseases. I-V. Phyt. Intern. Chron. 35:95-97,453-454; 36:98-60,175-179; 37:132-134. 1940-42. 22 P693
1396. MAYNE, W. W. Report on cardamon cultivation in south India. [India] Imper. Council Agr. Res. Misc. B. 50,67 p. 1942. 22 Im7M
- Diseases of cardamoms, p. 47-58.
1397. MAZOE CITRUS EXPERIMENTAL STATION. Annual report, 1937. Oxford, Eng., 1938. 62 p. 93 B3 M45
- British South Africa Co., Publication No. 7.
- Report of the plant pathologist, by G. R. Bates, p. 53-59. Citrus diseases in Southern Rhodesia.
- Later reports not received.
1398. MAZZEI, I. Ensayo de específicos y hormonas en trigo litoral precoz infestado con carbon hediondo. Uruguay, Dir. de Agrón. B. Inform. sobre Sanid. Veg. 1:316-20. Aug.1949. 9 U393B
1399. MEDINA, G. Da "Caldá Bordeaux" ao "Flor-do." Rev. Agron. [Porto Alegre, Brazil] 7:334-335. June 1943. 9,2 R325
- History of Bordeaux mixture and the new fungicide, Flor-do.
1400. MEDINA, J. C. A necrose da base da folha do sisal. Bragança 3:73-84, illus. Apr.1943. 102,5 B73Tb
- English summary.
- Symptoms of leaf basal necrosis of sisal in the State of São Paulo, Brazil; control measures.
1401. MEDINA, P. A. A. El mosaico de la caña de azúcar y sus métodos de control. Agr. Trop. 3(2):36-42, illus. Feb.1947. 26 Ag8
1402. MEIFFEREN, M. Swollen shoot, maladie du cacaoyer. Agron. Trop. 4:563-578, illus. Nov./Dec.1949. 26 Ag86
- In the Gold Coast and Ivory Coast.
1403. MEJIA, E. G. Algunas enfermedades de las plantas cítricas. B. Agr. [Medellín] 223:847-850. Feb.1937. 9,4 Sol
- Anthraxnose, gummosis, and chlorosis.
1404. MEJIA, E. G. El mosaico matizado o rayas amarillas en la caña de azúcar. B. Agr. Medellín] 227: 935-939;228:966,968-969. June-July 1937. 9,4 Sol
1405. MEJIA FRANCO, R. Dormidera de la papa. Colombia. U. Nac. Facul. Nac. de Agron. Rev. 1:34-42. Aug.1939. 9,4 C717
- Disease produced by *Fusarium oxysporum*.
1406. MEJIA FRANCO, R. La enfermedad del moko. B. Agr. [Medellín] 222:794-796. Jan.1937. 9,4 Sol
- Bacillus musae*, bacterial organism causing disease of banana.
1407. MEJIA FRANCO, R. Enfermedades de la papa, algodón, arroz, cañaya, caña y cacao. Agricultura [Bogotá] 10:327-356. Apr.1938. 9,4 In22
- Also in Rev. Agropecuaria [Colombia] 3:168-178. Nov.1938. 9,4 In22
1408. MENA BRUNA, E. Contribución al estudio de la "caída" de los almacigos de tabaco en Chile. Chile. Dir. Gen. de Agr. Agr. Tec. 6:109-134, illus. Dec.1946. 46,9 C432B
- English summary.
- Damping-off disease due mainly to *Pythium debaryanum*.
1409. MENDES, L. O. T. Resultados experimentais obtidos num estudo sobre os meios de combate a verugose (*Sphaceloma australis* Bit. and Jenk., 1936) da laranja doce (*Citrus sinensis* Osh.). Rev. de Agr. [Piracicaba] 12:354-378. Aug./Sept.1937. 9,2 R324
- English summary, p. 375-376.
- Experimental work at Instituto Agronômico, Campinas, State of São Paulo, Brazil.
1410. MENDES, L. O. T. Sobre a ocorrência da rubelose (*Corticium salmonicolor* B. & Br.) na seringueira (*Hevea brasiliensis* Muell. Arg.). Rev. de Agr. [Piracicaba] 22:157-160. Apr./July 1947. 9,2 R324
- At the Agronomical Institute of the North, Belém, Brazil.
1411. MENDEZ, R. Algunas enfermedades del café. Inst. de Defensa del Café de Costa Rica Rev. 4:504-513. Jan./Feb.1937. 68,28 C82
- Produced by *Stilblbella flavidia*, *Roselinia* sp., *Pellicularia kolera*, and *Cercospora coffeicola*.
1412. MENDEZ, R. Enfermedades y plagas de la papa. Agr. Costarricense 1:19-27, illus. June 1943. 8 Ag895
1413. MENDEZ, R. Estudio sobre un daño fungoso del ajonjolí en Costa Rica. D. N. A. Rev. del Dept. Nac. de Agr. Costa Rica 5:426-432, illus. Sept./Dec.1940. 8 C62
- The author considers *Cercospora sesami* to be the fungus most likely to cause the injury encountered.
1414. MENDEZ C., R. Apuntes sobre las causas que ocasionan la merna en las cosechas de papas en Costa Rica. Agr. Costarricense 3:83-96, illus. Feb.1945. 8 Ag895
- Diseases of potatoes.
1415. MENDEZ C., R. Moho de la hoja del tomate (*Cladosporium fulvum*, Cooke). Agr. Costarricense 1: 283,285. N. /Dec.1943. 8 Ag895
- Brief art. in symptoms and control of leaf mold of tomato in Costa Rica.
1416. MENDEZ C., R. *Phytophthora infestans* o mildew de la papa. CNA, Rev. del Cent. Nac. de Agr. 2:133-136. May/June 1937. 8 C62
- In Costa Rica.
1417. MENDOZA, J. M., and LEUS-PAJO, S. New and noteworthy Philippine fungi. III. Philippine J. Sci. 75: 165-183, illus. June 1941. 475 P63
- I and II in Philippine J. Sci., 1932.
1418. MENECHINI, M., and SILBERSCHMIDT, K. Contribuição para o conhecimento de metabolismo do nitrogênio em laranjeiras atacadas pela "tristeza." Rev. de Agr. [Piracicaba] 23:139-176, illus. May/June 1948. 9,2 R324
- English summary.
1419. MENECHINI, M. Experiencias de transmisión de doença "tristeza" dos citrus pelo pulgão preto da laranja. Biológico 14:115-118. May 1948. 442,8 B529
- English summary.
- Transmission by *Aphis tavaresi*.
1420. MENECHINI, M. Reação de amido nas enxerxias de "seedlings" de laranja utilizadas em experiências de transmissão da "tristeza." Biológico 13:91-92. May 1947. 442,8 B529
1421. MENECHINI, M. Sobre a natureza e transmissibilidade da doença "tristeza" dos citrus. Biológico 12: 285-287. Dec.1946. 442,8 B529

1422. MERON, S. R. K. Notes on the fall of immature coconuts in Ceylon. *J. Coconut Indus.* 5:87-89-91. Sept. 1941. 281.8 J82
- Physiological, meteorological, pathological (Phytophthora sp.), genetical, and predatory.
1423. MEREDITH, C. H. The effect of sodium nitrate on *Fusarium oxysporum cubense*. *Phytopathology* 31: 564. June 1941. 464.8 P56
- A note on the control of banana wilt disease in Jamaica, caused by *F. oxysporum cubense*.
1424. MEREDITH, C. H. Mercury compounds applied to banana plants in the field. *Phytopathology* 33:835-836. Sept. 1943. 464.8 P56
- Note on the control of Panama disease in Jamaica, caused by *Fusarium oxysporum cubense*.
1425. MEREDITH, C. H., and BUTLER, A. F. The production of *Cercospora musae* conidia in banana-leaf agar. *Jamaica Agr. Soc. J.* 43:621. Dec. 1939. 8 J223
1426. MERINO, G. Some of our plant pest and disease problems in the Philippines. *Philippine Isl. Nat. Res. Council B.* 17:33-40. Sept. 1938. 330.9 N21B
- Diseases of rice and coconut.
1427. MERNY, G. La maladie de sigatoka du bananier (*Cercospora musae* Zimm.) aux Antilles Françaises. *Fruits d'Outre Mer* 4:263-264. July 1949. 80 F9492
- Leaf spot of banana.
1428. MEXICO. SECRETARIA DE AGRICULTURA Y FOMENTO. Cuarentena exterior No. 4, establecida para evitar la propagación de la enfermedad conocida con el nombre de "verruca de la papa" (*Cryosphaeria endobiotica*). *Mex. Ofic. Fitosan. Fitofilo* 3(3):56-61. May/June 1944. 421 F55
- Quarantine legislation in Mexico.
1429. MEXICO. SECRETARIA DE AGRICULTURA Y FOMENTO. DEPARTAMENTO DE DEFENSA AGRICOLA. "El chamusco del platano;" estudio formulado por el Departamento de Defensa Agrícola de la Dirección General de Agricultura. *Tapachula, Chis.*, 1939. 78 p. 464.06 M57
- Leaf spot of banana caused by *Cercospora musae*.
1430. MEYER, E. R. La lepra explosiva de los naranjos; necesidad de combatir la enfermedad. *Corp. Frutícola Argentina. Rev. Ofic.* 11:13-15. Sept. 30, 1945. 83 C81
- Occurring for the most part in the Province of Corrientes, Argentina.
1431. MEYER, J. R. Açã bacteriostática da "orelha de pau" vermelha (*Polyporus cinnabarinus*). *Biologico* 10:165-168, illus. June 1944. 442.8 B529
- English summary.
- Woodrotting diseases.
1432. MICCIA PERALTA, L. R. El carbón duro (*Ustilago hordei*) (Pers.) Kil. y Sw. de la cebada. *Buenos Aires Prov. Rur.* 7:83-93, illus. 1939. 9 B866A
- In the Province of Buenos Aires, Argentina.
1433. MICCIO PERALTA, L., ISSOURIBERE, P. J., and SANTIS, L. DE. Enfermedades de la papa en la zona sudeste de la provincia de Buenos Aires. *B. de Agr., Ganad. e Indus.* 19(7/9):106-110. July/Sept. 1939. 9 B866A
- Argentina.
1434. MICCIO PERALTA, L. R. "El mildiu de la vid" *Plasmopora viticola* (Berkeley) Curtius Berlese y De Tony). *Buenos Aires Prov. Dir. de Agr., Ganad. e Indus. An. Rur.* 10:209-210, illus. 1942. 9 B866A
- In Argentina.
1435. MICHELIN, A. S. O mosaico da cana e sua prevenção. *Bras. Açucareiro* 21:504-505. May 1943. 65.8 B73
- Transmitted by the Aphis maidis.
1436. MICHELIN, A. S. El mosaico de la caña y su restricción. *Inst. de Defensa del Café de Costa Rica Rev.* 13:201-202. Mar. 1943. 68.28 C62
- Methods of control, including control of Aphis maidis, by which the disease is transmitted.
- Also in *Hacienda* 38:8-9. Jan. 1943. 6 H11
1437. MIDDELBURG, H. A. Onderzoek van het "marmar"-verschijnsel. *Klaten, Java, Proefsta.* v. Vorstenland. *Tabak Meded.* 85:60-61. 1938. 69.9 K66
- Marble leaf tobacco, due to low root development and retarded growth.
1438. MILANEZ, F. R., and JOFFILY, J. Estudio sobre a fusariose do algodoeiro. *Rodriguesia* 5:325-352, illus. Sept./Dec. 1941. 442.8 R61
- English summary.
- In northern Brazil.
1439. MILANEZ, F. R. Observações sobre uma estranha doença das laranjeiras. *Rodriguesia* 4:199-263, illus. 1940. 442.8 R61
1440. MILLER, J. H., and BURTON, M. G. Studies in some Venezuelan Ascomycetes collected by C. E. Cardon and A. S. Muller. *Mycologia* 35:83-94, illus. Jan./Feb. 1943. 450 M99
- Mycosphaella venezuelensis*, n. sp.
1441. MIMÉUR, G. Travaux récents de G. S. Cotterell et de A. F. Posnette sur le swollen shoot. *Rev. Internat. de Bot. Appl. et d'Agr. Trop.* 29:297-300. May/June 1949. 26 R323
- Summary of articles in Report of Central Cacao Research Station, Taio, 1938-42, and Annals of Applied Biology, v. 34 and 35, 1947-48.
1442. MIOLAN, A. El platano enfermo: buena cura científica. *Rev. Nac. de Cien. Folt.-Econ.-Sociales* 4(38):18. Jan. 1945. 280.8 R3295
1443. MIRO, J. A. En fenomeno de la inmunidad en el reino vegetal. *Rev. de Agr. de P. R.* 30:275-276. Apr./June 1938. 8 R329
1444. MITCHELL, R. S. Stem end rot of bananas with special reference to the physiological relationships of *Thielaviopsis paradoxa* (De Seynes). *Austral. Council Sci. & Indus. Res. J.* 10:123-130, illus. May 1937. 514 AU72J
- Little is known concerning the source of infection; comparison of strains of *T. paradoxa* from banana, sugarcane, and pineapple.
1445. MOHANTY, U. N. Bacterial plant cancers. *Sci. & Cult.* 15:145-149. Oct. 1949. 475 SC124
1446. MOHANTY, U. N. Studies on Indian Aspergilli. *Indian Phytopath.* 1:55-66, illus. 1948. 464.8 In2
1447. MOHANTY, U. N. The wilt disease of pigeon pea (*Cajanus cajan* (L.) Millsp.) with special reference to the distribution of the causal organism [*Fusarium udum*] in the host plant. *Indian J. Agr. Sci.* 16:379-390. Aug. 1946, pub. 1947. 32 AG331
1448. MOLESTINA, E. Indice preliminar de las principales enfermedades y plagas de la agricultura en el Ecuador. *Ecuador Dept. de Agr. B.* 15, 25 p., illus. Oct. 1942. 9.5 AG8B
- Includes diseases of cacao, coffee, sugarcane, cotton, citrus, and potatoes.
1449. MOLESTINA, E. El problema de las enfermedades de las plantas en el Ecuador. *Rev. Cámara Agr. Primera Zona Ecuador* 9(11/12):19-24. May/June 1939. 9.5 EC96
1450. MOLLURA, P. Observaciones sobre la resistencia a la "roya" de algunos alamos ensayados en el delta del Paraná. *Buenos Aires Prov. An. Rur.* 7:265-267, illus. (col.). 1939. 9 B866A
- Rust (*Melampsora* spp.) on poplar.
1451. MONCRIEFF, J. O. El mosaico en la caña de azúcar. *Agricultura [Bogotá]* 12:739-744, illus. May/June 1940. 9.4 In22
- Discussion of resistant varieties.
1452. MONNIER, P. Une nouvelle maladie à virus du cacaoyer en Afrique occidentale: le swollen shoot. *Rev. Internat. de Bot. Appl. et d'Agr. Trop.* 26:166-173. May/June 1946. 26 R322
- History, symptoms, method of transmission, extent of damage, and control measures.
1453. MONTALDO, A., and AKELEY, R. V. Herencia de la reacción a la Phytophthora infestans in the papa. *Chile. Dir. Gen. de Agr. Agr. Tec.* 6:12-41, illus. June 1946. 464.9 C432B
- English summary.
1454. MONTANO, A., and WEBSTER, M. Considerações sobre a peronospora e antracnose e seus tratamentos. *Rev. Agron. Rio Grande do Sul* 2:937-941, 1039-1042, illus. Oct.-Nov. 1938. 9.2 R325
- Downy mildew and antracnose of grape: life history, characteristics, and methods of control.
1455. MONTEALEGRE, M. R. El Departamento de Fitopatología del Instituto Interamericano de Ciencias Agrícolas y el Doctor Frederick L. Wellman. *Inst. de Defensa del Café de Costa Rica. Rev.* 18(150):9-11. May 1947. 68.28 C82
1456. MONTEALEGRE, M. R. Estudios sobre el café. *Inst. de Defensa del Café de Costa Rica Rev.* 7:347-357, illus. Dec. 1938. 68.28 C82
- On "Ojo de gallo" or the American coffee leaf disease caused by *Omphalia laivida*.
1457. MONTEALEGRE, M. R. Estudios sobre el café. De la defoliación prematura del café. Sus causas y sus efectos. *Inst. de Defensa del Café de Costa Rica Rev.* 8: 175-180. May 1939. 68.28 C82
- Due to *Cercospora coffeicola*.

1458. MONTEALEGRE, M. R. Estudios sobre el café: insectos e hongos dañinos. Inst. de Defensa del Café de Costa Rica Rev. 9:255-261. Jan.1940. 68.28 C82
1459. MONTEIRO, T. Principais doenças e inimigos do algodoeiro. Rev. do Algodão 14(91):16-18. June/July 1940. 72.8 R322
1460. MONTEVERDE, M. A. Que son las royas del trigo. Campo y Suelo Argentino 32(384):44-45, illus. Oct.1948. 9 C15
- Also in Campo y Suelo Argentino 31(363):64. Jan.1947. 9 C15; Bolsa de Com., Rosario. Rev. 34(628):33-34. July 15, 1946. 287 R71
1461. MOREAU, C. Une pourriture des ananas de Guinée. Rev. de Mycol. 12(sup.colon.):32-34. June 1, 1948. 450 An74
- Due to an "association of champignons," Thielaviopsis paradoxa predominating.
1462. MOREIRA, S. Um interessante caso de desharmonia na enxertia de Citrus. J. Agron. São Paulo 1:57-61, illus. Mar./Apr.1938. 9.2 J764
- Concerning the disease called Xyloporosis.
1463. MOREIRA, S. Observações sobre a "tristeza" dos citros, ou "podridão das radículas." Biológico 8: 269-272. Nov.1942. 442.8 B529
- Cause undetermined.
1464. MOREIRA, S., COSTA, A. S., and GRANT, T. J. Present knowledge of "tristeza" of citrus. (In Portuguese.) Rev. de Agr. [Piracicaba] 24:335-345. Nov./Dec.1949. 9.3 R324
1465. MOREIRA, S., GRANT, T. J., and COSTA, A. S. La tristeza de los cítricos. Hacienda 44(12):36-38. Dec.1949. 6 H11
- Results of experimental work at the Agronomical Institute, Campinas São Paulo, Brazil.
1466. MOREIRA, S. Xyloporose. J. Agron. São Paulo 1:57-61, illus. July/Aug.1938. 9.2 J764
- English summary.
- Citrus disease.
1467. MORENO, A. F. Anguillosis de la raíz. Campo y Suelo Argentino 32(386):33. Dec.1948. 9 C15
- Heterodera marioni.
1468. MORFORD, K. Planting views on the blister blight situation. Ceylon Tea Res. Inst. Tea Q. 20:129-132. Dec.1949. 68.18 C33
- Blister blight of tea.
1469. MORSTATT, H. Parasites et maladies du caféier en Afrique. I-VIII. Rev. de Bot. Appl. et d'Agr. Trop. 17:125-130, 216-218, 301-306, 377-384. 1937. 26 R323
- I, Parasites des tiges. II, Maladies de la tige. III, Parasites des branches et des bourgeons. IV, Maladies des branches et des bourgeons. V, Parasites des feuilles. VI, Maladies des feuilles. VII, Parasites des fleurs et des fruits. VIII, Maladies des fleurs et des fruits.
1470. MORWOOD, R. B. Control of field crop diseases. Queensland Agr. J. 66:20-23. Jan.1948. 23 Q33
- Disease control of winter cereals and summer grain crops, peanuts, maize and wheat by means of seed treatment, seed certification and crop rotation.
1471. MORWOOD, R. B. Diseases of sorghum. Queensland Agr. J. 65:140-142, illus. Aug.1947. 23 Q33
- Smut and leaf diseases in Queensland.
1472. MORWOOD, R. B. Experiment on the control of bacterial spot of plums. Queensland Agr. J. 65:239-242. Oct.1947. 23 Q33
- Xanthomonas pruni.
- Black spot of plum.
1473. MORWOOD, R. B. Grape vine diseases in Queensland. Queensland Agr. J. 51:5-16, illus. Jan.1939. 23 Q33
- Description, distribution and control of downy mildew, powdery mildew, and anthracnose.
1474. MORWOOD, R. B. Peanut crown rot. Queensland Agr. J. 63:18-19. July 1946. 23 Q33
- Symptoms resemble those of wilt.
1475. MORWOOD, R. B. Peanut diseases. Queensland Agr. J. 61:266-271, illus. Nov.1945. 23 Q33
- Seedling blight, crown rot, wilt, leaf spot, virus diseases and their control.
1476. EL MOSAICO de la caña de azúcar. Agricultura [Bogotá] 9:121-125, illus. (col.). Mar.1937. 9.4 In22
1477. MOSSOP, M. C. The life history of root gall-worm or root knot eelworm. Rhodesia Agr. J. 35:720-722, illus. Sept.1938. 24 R34
- Heterodera marioni, in Southern Rhodesia.
1478. MOUREAU, J. Le sol et sa protection dans le cadre de la lutte contre le "wilt" du cotonnier. Inst. Natl. pour l'Etude Agron. du Congo Belge. Semaine Agr. de Yangambi, 1947. Compt. Rend. 1:82-87. 35.4 In7
- Fusarium vasinfectum.
1479. MOZAMBIQUE. REPARTIÇÃO TECNICA DE AGRICULTURA. Fungicidas, bactericidas e correctivos de deficiências para tratamento das plantas. Confecção e aplicação. n. p., 1947. 42 p. 464.4 M87
- By T. de Carvalho.
1480. MUJICA R., F. Aporte a la historia de la patologia vegetal en Chile. Chile. Dir. Gen. de Agr. Agr. Tec. 7:26-32. June 1947. 464.9 C432B
1481. MUJICA R., F. Las enfermedades degenerativas de la papa. Chile. Min. de Agr. Dept. de Sanid. Veg. B. Tec. 1:45 p., illus. 1942. 464.9 C432B
- In Chile.
1482. MUJICA R., F., and VERGARA C., C. Flora fungosa chilena: indice preliminar de los huéspedes de los hongos hilenos y sus referencias bibliográficas. Santiago, Chile, 1945. 199 p. 462.18 M89
- Includes common and scientific names of the plants.
1483. MUJICA R., F. Hongos chilenos no mencionados anteriormente en la literatura. Chile. Dept. de Sanid. Veg. B. de Sanid. Veg. 3:33-35. June 1943. 464.9 C432B
1484. MUJICA R., F. Inmunización mediante la formación genética de variedades resistentes a las enfermedades de las plantas. Chile. Min. de Agr. Dept. de Sanid. Veg. B. de Sanid. Veg. 3:15-30. Jan./June 1943. 464.9 C432B
- Plant disease control.
1485. MUJICA R., F. Nomina de las enfermedades y pestes de la papa cuya existencia se ha comprobado en el país. Chile. Min. de Agr. Dept. de Sanid. Veg. B. de Sanid. Veg. 1:70-72. July 1941. 464.9 C432B
- Virus, bacterial, and fungus diseases of Chile, including animal parasites (insects and nematodes).
1486. MUJICA R., F. Patogenicidad de algunas cepas del Verticillium albo-atrum Rei. y Berth. Chile. Min. de Agr. Dept. de Sanid. Veg. B. de Sanid. Veg. 1(2):7-20, illus. July/Dec.1941. 464.9 C432B
1487. MUJICA R., F. La rizootenia de la papa. Agr. del Norte 25:279-281, illus. Dec.1938. 9.3 So14
- In Chile.
1488. MUJICA R., F. La roya del crisantemo en Quillota. Simiento 16:122. July/Sept.1946. 9.3 S14
- Disease due to the fungus Puccinia chrysanthemi in Chile.
1489. MUJICA R., F. La septoriosis del apio en Chile. Chile. Min. de Agr. Dept. de Sanid. Veg. B. de Sanid. Veg. 2:140-143. July/Dec.1942. 464.9 C432B
- Septoria apii, S. apii-gravolentis, fungal cause of late blight of celery in Chile.
1490. MUJICA R., F. Susceptibilidad de variedades de papas a la sarna polvorienta causada por la Spongopora subterranea (Wallr.) John. Chile. Min. de Agr. Dept. de Sanid. Veg. B. de Sanid. Veg. 2:17-19. July 1942. 464.9 C432B
1491. MÜLLER, A. S., Brazil: new plant diseases reported in the State of Minas Geraes during 1936. Internat. B. Plant Protect. 11:174M-175M. Aug.1937. 464.8 In8
1492. MÜLLER, A. S., and CHUPP, C. Las Cercosporas de Venezuela. Soc. Venezol. de Cien. Nat. B. 8(52):35-59. July/Sept.1942. 516 C172
- An annotated list of Cercospora species and their hosts.
1493. MÜLLER, A. S. Enfermedades de las caraotas, frioles y habas en Venezuela. Agr. Venezol. 6(65/66): 18-22, illus. Sept./Oct.1941. 9.95 Ag8
- Brief discussion of mosaic, anthracnose and other foliage diseases of the bean with recommendations for their prevention and control.
- Also printed as Venezuela. Inst. Expt. de Agr. y Zootec., El Valle, D. F., C. 1,14 p., illus. July 1940. 9.95 El1
1494. MÜLLER, A. S., and TEXERA, D. A. Un estudio preliminar sobre el control de la roya de la higuera. Agr. Venezol. 4(49):35-37, illus. May 1940. 9.95 Ag8
- Cerotelium fici.
1495. MÜLLER, A. S., and TEXERA, D. A. La mancha blanca del ajonjolí. Agr. Venezol. 5(57/58):47-49, illus. Jan./Feb.1941. 9.95 Ag8
- On the disease of leaves and seed capsules of sesame due to Cercospora sesami.
1496. MÜLLER, A. S. La marchitez y podredumbre de papas causada por Sclerotium rolfsii Sacc. Agricultor Venezolano 4(45/46):19-20. Jan./Feb.1940. 9.95 Ag8
- Symptoms and control measures.

1496. MÜLLER, A. S. Plant pathology in Latin America. In Verdoorn, F. ed. Plants and plant science in Latin America, p. 169-171. Waltham, Mass., 1945. 453 V58
1497. MÜLLER, A. S. La raya blanca del maíz. Agr. Venezol. 4:50-51, illus. Apr./May 1939. 9.95 Ag8
1498. MÜLLER, A. S. El reconocimiento de las enfermedades de las plantas cultivadas en Venezuela, 1937-941. Soc. Venezol. de Cien. Nat. B. 7:99-113. May/July 1941. 516 C172
- Annotated lists arranged alphabetically by crop plants and by pathogens.
1499. MÜLLER, A. S. Tres especies de Septobasidium sobre citrus en Minas Geraes, Rodriguesia 2(no. especial):351-354. 1936[1937]. 442.8 R61
- Septobasidium albidum, S. pseudopedicellatum, S. lepidosaphis.
1500. MÜLLER, H. R. A. Bestrijding van topsterfte. Bergcultures 11:432. Mar.27,1937. 22.5 B45
- Dieback disease.
1501. MÜLLER, H. R. A. Aanteekeningen over eenige ziekten van Aleurites montana Wills. Landbouw 15:54-68. Jan.1939. 22.5 L23
- In Java.
1502. MÜLLER, H. R. A., and EEK, T. VAN. Aanteekeningen over eenige ziekten van roselle en Java-jute op Java. Landbouw 14:719-739. Dec.1938. 22.5 L23
- English summary
- Diseases of roselle (*Hibiscus sabdariffa*) and ambary hemp (*Hibiscus cannabinus*).
1503. MÜLLER, H. R. A. De aardappelziekte op Java als gevolg van het optreden van eenige nieuwe ziekten. Landbouw 13:225-313, illus. June 1937. 22.5 L23
- English summary.
1504. MÜLLER, H. R. A. Onderzoekingen over aardappelziekten. Landbouw 15:227-248. Apr.1939. 22.5 L23
- English summary.
- This paper is a continuation of the publication "The potato situation in Java as influenced by some new diseases."
1505. MÜLLER, H. R. A. Over het epidemisch optreden van de Gloeosporium bladziekte bij dijerok in Oost-Java. Landbouw 15:324-345, illus. June 1939. 22.5 L23
- English summary.
- Gloeosporium (*Colletotrichum*) gloeosporioides causing antracnose of citrus.
1506. MÜLLER, H. R. A. Overzicht van de belangrijkste citrus-ziekten in Nederlandsch Indië. Landbouw 15:249-290, illus. May 1939. 22.5 L23
- English summary.
- Also issued as Nederland.-Indië, Alg. Proefsta. v. Landbr. Meded. 34,42 p., illus. 1939. 109.5 Ea73
1507. MÜLLER, H. R. A. Overzicht van de belangrijkste manga-ziekten in Nederlandsch Indië. Landbouw 16:13-21. Jan.1940. 22.5 L23
- English summary.
- Also issued as Nederland.-Indië, Alg. Proefsta. v. Landb. Meded. 40,9 p. 1940. 109.5 Ea73
1508. MUNDKUR, B. B., and THIRUMALACHAR, M. J. Revision of and additions to Indian fungi. I-II. Imper. Mycol. Inst. Mycol. Papers 16,27 p.,18,11 p., illus. Apr., Dec.1946. 451 Im73m3
- S. Ahmad, joint author, II.
1509. MUNRO, J. W. Diseases and pests of cotton. Empire Cotton Growing Rev. 16:12-17. Jan.1939. 72.8 Em7
- In Africa.
1510. MUNTANOLA, M. Bacteriosis de las hojas de lechuga (*Pseudomonas marginalis* (Brown) Stapp). Argentina. Inst. de Sanid. Veg. [P.], Ser.A 4(40),14 p., illus. 1948. 464.9 Ar323
1511. MUNTANOLA, M. Descripción de una nueva enfermedad del girasol. Argentina. Dir. Gen. de Labs. e Invest. Rev. de Invest. Agr. 2:205-211, illus. Oct.1948. 9 R329
- Unknown cause.
1512. MUNTANOLA, M. La podredumbre del cuello del Gladiolo. Argentina. Inst. de Sanid. Veg. [P.], Ser. A 4(41),16 p., illus. 1948. 464.9 Ar323
- Pseudomonas marginata*.
1513. MURRAY, R. K. S. Oidium leaf disease in Ceylon in 1938-1939. Rubber Res. Scheme, Ceylon, Q. C. 15:236-242;16:81-88. Dec.1938; June 1939. 78.9 C33Q
- Mildew of rubber trees.
1514. MURRAY, R. K. S. Root diseases with special reference to replanting. Rubber Res. Scheme, Ceylon, Q. C. 15:24-31. Apr.1938. 78.9 C33Q
- Root diseases of rubber trees.
1515. MYSTORE, DEPT. OF AGRICULTURE. Annual report, 1942/43. Bangalore, 1944. 19 p. 22 M99R
- Report of the Mycological Section, by M. J. Narasimhan, p. 8. On sprays for areca gardens.
- Earlier reports note various diseases on the areca palm, areca nut, coconut, coffee, ragi, plantain, guava, peas, betel vines, tobacco, sugarcane, apple, grapes, potatoes, orange, lime, rice, mango, cloves, wheat, cardamoms, and cotton.
- Later reports not yet received.
1516. NAPPER, R. P. N. Root disease and underground pests in new plantings. Planter 19:453-455. Sept.1938. 78.8 P69
- Disease of the rubber tree and its control.
1517. NARASIMHAN, M. J. Control of damping off of seedlings in tobacco nurseries. Mysore Agr. Calendar 1938:27. 34.2 M99
- Brief account of different methods of disinfecting the soil.
1518. NARASIMHAN, M. J., and THIRUMALACHAR, M. J. Preliminary note on the perfect stage of *Ephelis oryzae* Syd. [*Balanisia oryzae* (Syd.) comb. nov.]. Cur. Sci. 12:276, illus. Oct.1943. 475 Sc23
- A well-known parasite in the paddy-growing regions of South India.
1519. NARAYANA RAO, D. Some fruit tree diseases in relation to horticultural practices and mineral deficiencies. Madras Agr. J. 29:304-309. Aug.1941. 22 M262
- From the fruit Research Station at Kodur. India. Discussion of the diseases of mango and citrus fruits.
1520. NARDIN ERGUETA, J. La antracnosa y la antracnosis. Campo [La Paz] 1(4):82-83. Aug.1947. 9.1 C15
- Anthraxnose of plants and its control.
1521. NARDIN ERGUETA, J. Enfermedades en los arboles frutales. Campo [La Paz] 1(8):15-17, illus. Dec. 1947. 9.1 C15
- In Bolivia.
1522. NATH, P., and PADWICK, G. W. Ergot in India. Cur. Sci. 10:488-489, Nov.1941. 475 Sc123
- Description of ergot on three different grasses, discovered by the author in the neighborhood of Simla, and thought to be *Claviceps purpurea* and *C. pusilla*; economic value of ergot.
1523. NATTRASS, R. M., and CICCARONE, A. Bacterial canker [*Corynebacterium michiganense*] of tomatoes in Kenya. East African Agr. J. 12:26-29, illus. July 1946. 24 Ea74
1524. NATTRASS, R. M. A Botrytis disease of Eucalyptus in Kenya. Empire Forestry Rev. 28:60-61, illus. Mar.1949. 99.8 Em72
- Botrytis cinerea.
1525. NATTRASS, R. M. A canker of Cupressus macrocarpa in Kenya caused by *Monochaetia unicornis*. East African Agr. J. 11:82, illus. Oct.1945. 24 Ea74
1526. NATTRASS, R. M. Dodder, East African Agr. J. 6:187-188, illus. Apr.1941. 24 Ea74
- Discussion of different species of the genus *Cuscuta* attacking farm crops in Africa; control measures.
1527. NATTRASS, R. M. Further notes on the 'wooden disease' of *Acacia senegal* in Kenya. East African Agr. J. 6:54. July 1940. 24 Ea74
- In Africa. Preliminary note in East African Agr. J. 5: 130-133. Sept. 1939.
1528. NATTRASS, R. M., and CICCARONE, A. *Monochaetia* canker of Cupressus in Kenya. Empire Forestry Rev. 26:289-290, illus. Dec.1947. 99.8 Em72
- Caused by *Monochaetia unicornis*.
1529. NATTRASS, R. M. A new bacterial disease of the potato in Kenya. East African Agr. J. 10:162-163, illus. Jan.1945. 24 Ea74
- Organism not identified; proposed name *Yersinia ring rot*.
1530. NATTRASS, R. M. Note on the bacterial wilt disease [*Xanthomonas solanacearum*] of the potato in Kenya. East African Agr. J. 12:30. July 1946. 24 Ea74
- Brown rot of potato.
1531. NATTRASS, R. M. Note on the control of the root knot eelworm. East African Agr. J. 10:43. July 1944. 24 Ea74
- Heterodera marioni*.
1532. NATTRASS, R. M. Notes on plant diseases. East African Agr. J. 7:56,68, illus. July 1941. 24 Ea74
1. The white mould of *Nicotiana glauca*. [White mould is fruiting part of *Beniowskia sphaeroides*]. 2. The black heart disease of potato tubers.
- Leaf curl of peach.

1533. NATTRASS, R. M. Notes on plant diseases: apple mildew. East African Agr. J. 8(2):101-102, illus. Oct. 1942. 24 Ea74
- Spraying experiments for the control of powdery mildew in Kenya Colony.
1534. NATTRASS, R. M. Notes on plant diseases; eelworm on potato tubers. East African Agr. J. 7:166. Jan. 1942. 24 Ea74
- Heterodera marioni.
1535. NATTRASS, R. M. The Pasmio disease of flax in Kenya (*Sphaerella linorum* Wollenweber). East African Agr. J. 8:223-226, illus. Apr. 1943. 24 Ea74
- Serious outbreak for the first time in Kenya Colony in 1941. Discussion of symptoms of the disease, dissemination and control.
1536. NATTRASS, R. M. Plant diseases in Kenya during 1940. East African Agr. J. 7:57. July 1941. 24 Ea74
- Includes fungal attacks on carrots, green grain, and pawpaw fruit.
1537. NATTRASS, R. M. Potato blight. East African Agr. J. 7:196-201, 10:18-21, illus. Apr. 1942, July 1944. 24 Ea74
- On late blight of potato attributed to *Phytophthora infestans*; control measures.
1538. NATTRASS, R. M. Spraying small areas against potato blight. East African Agr. J. 10:238. Apr. 1945. 24 Ea74
- Spraying equipment.
1539. NATTRASS, R. M. "Take all" disease of cereals (*Ophiobolus graminis*). East African Agr. J. 8:133-135, illus. Jan. 1943. 24 Ea74
- Refers to wheat in particular. Review of recent work on the fungus, *Ophiobolus graminis*, cause of the disease. Crop losses in Kenya Colony.
1540. NATTRASS, R. M. The transmission of the virus of the "woodiness" disease of passion fruit (*Passiflora edulis*) by single leaf grafts. Ann. Appl. Biol. 31:310-311, illus. Nov. 1944. 442.8 An72
- Describes method.
1541. NAVARRO, J. Algunas enfermedades producidas por bacterias en las plantas. Control de Plagas 8:29-31, 36-37, 90. Feb.-Mar., June 1946. 464.8 C76
- In Cuba.
1542. NAVARRO, J. Otras causas de enfermedades de las plantas. Control de Plagas 8:46-47, 53, 55. Mar.-Apr. 1946. 464.8 C76
1543. NAVARRO, J. Síntomas y signos de las enfermedades de las plantas. Control de Plagas 8:92-95, 103-105. June-July 1946. 464.8 C76
1544. NAVARRO CARDONA, A. Enfermedades de la papa. Mex. Dept. Fitosanít. Fitosílo 3(6):3-7. Nov./Dec. 1944. 421 F55
1545. NAVARRO CARDONA, A. Enfermedades de los cereales y medios de combatirlas. 31 p. Mexico, D. F., 1944. 464.02 N224
- Also in Fitosílo [San Jacinto, Mexico, D. F.] 1(14):25-35, illus. Sept. 1942. 421 F55
1546. NAVARRO CARDONA, A. Enfermedades fungosas de algodón. Fitosílo [San Jacinto, México, D. F.] 2:9-11, illus. Jan./Feb. 1943. 421 F55
- Cercospora sesami and Fusarium sesami of Sesamum indicum L., in Mexico.
1547. NAVARRO CARDONA, A. Las enfermedades fungosas del café. Agricultura [México] 1:37-39, illus. Sept./Oct. 1937. 8 Ag823
- Diseases discussed: La mancha de hierro, moho de hilacinas, and fumagina.
1548. NAVARRO CARDONA, A. Tizón tardío de las solanáceas. Fitosílo [San Jacinto, México, D. F.] 1:14-20, illus. Mar. 1942. 421 F55
- Phytophthora infestans.
1549. NEGRONI, P., and FISCHER, I. Flora micológica del aire en Buenos Aires y sus alrededores. [Argentina] Dept. Nac. de Hig., Inst. Bact. Rev. 11(2):226-242, illus. (maps). Dec. 1942. 448.3 Ar3
- Contribución al conocimiento de la flora alergogena. French summary.
1550. NEGRONI, P., and FISCHER, I. A propósito de *Trithrachium Limber*, 1940, nuevo género de Moniliaceae. [Argentina] Dept. Nac. de Hig., Inst. Bact. Rev. 11(2):259-262, illus. Dec. 1942. 448.3 Ar3
- Brief English summary.
- "In our opinion the species of the new genera *Trithrachium* Limber, 1940, must be studied comparatively with those of *Beuveria* Vuillemin, 1912, on account of its similarities."
1551. NETO, J. P. DA C. Contribuição sobre as doenças da bananeira no Rio Grande do Sul. Rev. Agron. Rio Grande do Sul 3:39-41, illus. Jan. 1939. 9.2 R325
1552. NETO, J. P. DA C. Doenças da cebola (*Allium cepa* L.). Rio Grande do Sul. Sec. de Estado dos Negócios da Agr., Indus. e Com. B. 69,16 p., illus. 1941. 9.2 R473
- I. Fusarium solani. II. Outras organismos (Includes nematode, *Botrytis allii*, and *Aspergillus niger*).
1553. NETO, J. P. DA C. Doenças da cevada no Rio Grande do Sul. Rio Grande do Sul. Sec. de Estado dos Negócios da Agr., Indus. e Com. B. 69,16 p., illus. Dec. 1938. 9.2 R473
- Leaf spots and smut; seed treatment.
1554. NETO, J. P. DA C. Doenças do tomateiro. Rev. Agron. Rio Grande do Sul 7:261-262, illus. May 1943. 9.2 R325
- Fruit rot, caused by a fungus of the genus *Alternaria*, and root-knot; control measures.
1555. NETO, J. P. DA C. Doenças do tomateiro. Rev. Agron. Rio Grande do Sul 7:305-306, illus. June 1943. 9.2 R325
- Leaf spot caused by *Septoria lycopersici*.
1556. NETO, J. P. DA C. Duas doenças que atacam as partes subterrâneas dos vegetais: a galha de coroa (*Bacterium tumefaciens*) e as galhas por nemátodos (*Heterodera radicola*). Rio Grande do Sul. Sec. de Estado dos Negócios da Agr., Indus. e Com. B. 53,16 p., illus. July 1937. 9.2 R473
- Root knot and crown gall.
1557. NETO, J. P. DA C. Estudos sobre doenças dos cereais. I-V. Rev. Agron. Rio Grande do Sul 2:20-23, 321-322, 413-414, 723-724, illus. Jan.-Aug. 1938. 9.2 R325
- I. A podridão seca do milho. II. (wanting). III. Ferrugem do milho. IV. A Marssonina da cevada. V. Main title: Ferrugem preta da cevada (*Puccinia graminis*).
1558. NETO, J. P. DA C. Fungos do Rio Grande do Sul observados nos anos de 1940-41. Rio Grande do Sul. Sec. de Estado dos Negócios da Agr., Indus. e Com. B. 99,11 p. Jan. 1943. 9.2 R473
- Host plant list with parasitic fungi.
1559. NETO, J. P. DA C. Helminthosporioses de cevada. Rev. Agron. Rio Grande do Sul 2:813-816, illus. Sept. 1938. 9.2 R325
- Diseases caused by *Helminthosporium teres*, *H. graminum*, and *H. sativum*.
1560. NETO, J. P. DA C. A murcha bacteriana da batata. Rio Grande do Sul. Sec. de Estado dos Negócios da Agr., Indus. e Com. C. 47,4 p., illus. Aug. 1941. 9.2 R473C
- Probably *Phytophthora solanacearum*.
1561. NETO, J. P. DA C. Parasitos da cebola (*Allium cepa* L.). Observações. Rev. Agron. Rio Grande do Sul 5:275-278, illus. May/June 1941. 9.2 R325
- Includes *Fusarium solani*, nematode diseases, *Sclerotium* (?) sp. and *Aspergillus niger*.
1562. NETO, J. P. DA C. Parasitos de plantas cultivadas no Rio Grande do Sul. Rio Grande do Sul. Sec. de Estado dos Negócios da Agr., Indus. e Com. B. 121,16 p., illus. 1947. 9.2 R473
1563. NETO, J. P. DA C. Podridão das radículas da laranjeira. Rev. Agron. Rio Grande do Sul 4:643-646, illus. 1940. 9.2 R325
- Due to *Deuterophoma tracheiphila*.
1564. NETO, J. P. DA C. A podridão do bulbo da cebola. Rio Grande do Sul. Sec. Estado Negócios Agr. e Indus. Com. C. 45,3 p., illus. Aug. 1941. 9.2 R473C
- Fusarium solani.
1565. NETO, J. P. DA C. Relação das doenças até agora encontradas, pelo Serviço de biologia agrícola, nas plantas cultivadas e algumas selvagens, no Rio Grande do Sul. Rev. Agron. Rio Grande do Sul 1:286-297, 359-368, 468-469, 534-536, 533(bis)-534(bis), illus. 1937. 9.2 R325
- Brilliant plant diseases.
1566. NETO, J. P. DA C. A sarna da meceira. Rev. Agron. Rio Grande do Sul 2:517-519, illus. June 1938. 9.2 R325
- Produced by *Venturia inaequalis*.
1567. NETO, J. F. DA C. Tratamento de pessegueiros com água quente para combater o *Heterodera marioni*. Rev. Agron. Rio Grande do Sul 5:229-230, illus. Apr. 1941. 9.2 R325
1568. NEW GUINEA. DEPT. OF AGRICULTURE. Annual report for the year ending 30th June, 1940. New Guinea Agr. Gaz. 7:77-116. May 1941. 23 N453

Disease investigations, p. 94-95. In the Report of the economic botanist, by R. E. P. Dwyer. Brief notes on diseases of velvetbean, cacao, cowpeas, peanuts, rubber, and the French bean.

Earlier reports are similar with emphasis on diseases of coconut and coffee.

Later reports are not available.

1569. NEWHALL, A. G. An annotated bibliography of some of the more important papers on the Phytophthora pod rot of cacao (gathered mostly from Review of Applied Mycology 1922 to 1948, arranged chronologically). n. p., 1949? 21 p. 464.1 N45

1570. NEWTON, G. K. Agency House views on the blister blight situation. Ceylon Tea Res. Inst. Tea Q. 20: 126-128. Dec. 1949. 68.18 C33

1571. NICOLINI, J. C. "Gloeosporiosis" de la oliva. IDIA, Inform. de Invest. Agr. 2(20):15-16. Aug. 1949. 9 Jd3

Anthraxnose of olive in Argentina, in the Provinces of Santa Fe, Buenos Aires, and Entre Rios, caused by the fungus *Gloeosporium olivarium*.

1572. NICOLINI, J. C. Un grave y raro ataque de "tuberculosis" sobre frutos de olivo. IDIA, Inform. de Invest. Agr. 2(18):14. illus. Apr. 1949. 9 Jd3

Caused by the bacterial organism *Pseudomonas savastanoi*; in the Province of Buenos Aires, Argentina.

1573. NIETO ROARO, D. Flora micológica mexicana. I. Descripción de algunas especies del género *Helvella*. An. del Inst. Biol. Mexico 12:559-568, illus. 1941. 442.9 M57

1574. NIETO SOTO, L. A. Control de la "lancha" o "gota serena" de la patata y el tomate. Ecuador. Primera Zona. Cám. de Agr. Rev. 7:712-716. Oct. 1945. 9.5 Ec96

Phytophthora infestans.

Also in Semetaria 2:19-20. Sept. 1945. 9.5 Se5

1575. NOBREGA, N. R. Uma doença de virus em orquídea. Biológico 13:62, illus. Mar. 1947. 442.9 B529

English summary.

Indication that the virus is a strain of *Cucumis virus 1*, producing chlorosis, mottle, and whitish flecks on the leaves.

1576. NOBREGA, N. R., and SILBERSCHMIDT, K. Estudos sobre o estado sanitario de algumas variedades de batatinhas peruanas. Biológico 7:243-248, illus. Sept. 1941. 442.8 B529

English summary.

Concerns virus diseases.

1577. NOBREGA, N. R., and SILBERSCHMIDT, K. Sobre una provavel variante do virus "Y" da batatinha (*Solanum virus 2*, Orton) que tem a peculiaridade de provocar necroses em plantas de fumo. Inst. Biol. [São Paulo] Agr. 15:307-330, illus. Dec. 1944. 442.9 Sa6

English summary.

1578. NOLL, W. Deformaciones provocadas en los gémenes del trigo por los tratamientos de la semilla. Arch. Fitotec. del Uruguay 3:86-95, illus. 1938. 102.5 Ur8A

English summary.

1579. NOLL, W. Le pietin del trigo (*Ophiobolus graminis* Sacc.) en el Uruguay. Arch. Fitotec. del Uruguay 3: 96-101, illus. 1938. 102.5 Ur8A

English summary.

Preliminary note.

Also in Asoc. Rur. del Uruguay Rev. Mens. 66:43-45, 47-49, illus. Aug. 1939. 9.9 As5

1580. NOLLA, J. A. B. Sugar cane diseases in Puerto Rico. Sugar 44(2):34-37, illus. Feb. 1949. 65.8 F11

Diseases include mosaic, red rot, chlorotic streak, brown stripe, eye-spot, red stripe pokka boeng, ring spot, and dry rot.

1581. NORMANHA, E. S., BOOCK, O. J., and CASTRO, J. B. DE. Observações de campo como contribuição ao estudo do superbrotoamento ou envassouramento da mandioca. Rev. de Agr. [Piracicaba] 21:271-302, illus. July/Aug. 1946. 9.2 R324

Possibly a virus disease.

1582. NORONA, G. Control de plagas y enfermedades del cacao. B. del Conceptor Cent. Agr. Manabí 3(25):5-11. July 1941. 9.5 M31

Plans and recommendations for control of diseases and pests of cacao in Ecuador.

1583. NOVELO F., E. El chacle o enfermedad de las vetas rojas. Un alerta a los cultivadores de maíz. Fomento 1(7):26. May 1, 1944. 8 F734

Bacterial wilt from *Aplanobacter stewartii* in Mexico.

1584. NOVELO F., E. Hacia su aparición dos peligrosas plagas en las plantaciones de maíz. Fomento [monthly], 21:8-20. July 1945. 8 F734

Aplanobacter stewartii and *Puccinia maydis*.

1585. NOWELL, W. Internal boll disease. Empire Cotton Growing Rev. 16:18-24. Jan. 1939. 72.8 Em7 In Africa.

1586. OBANDO, N. Algunas consideraciones sobre la nueva enfermedad de la caña de azúcar. Agricultura [Bogotá] 9(4):3-4; 10(12):362-363. Jan. 1937, Apr. 1938. 9.4 In22

Characteristics of mosaic disease.

1587. OBREGON BOTERO, R. Algunas enfermedades de las plantas en la zona frutera de Boyacá. Colombia. U. Nac. Facul. Nac. de Agron. Rev. 5:594-633. 1942. 9.4 C717

Apple and peach diseases.

1588. OBREGON BOTERO, R. Algunas enfermedades en nuestros árboles frutales y en la caña de azúcar. Rev. de Agr. y Com. [Panamá] 3(15):57-60. July 1944. 8 R3291

Diseases of citrus and sugarcane.

1589. OBREGON BOTERO, R. Apartes del informe sobre reconocimiento fitopatológico del quindío (Caldas). Rev. Cafetera de Colombia 6:2186-2188, illus. May/July 1937. 68.28 R32

Rosellinia pelt on sp. of *Erythrina* and on *Inga* sp. 1590. OBREGON BOTERO, R. La correcta preparación del caldo bordelés le hace más efectivo como fungicida. Rev. Nac. de Agr. [Bogotá] 33:105-108, illus. Feb. 1939. 9.4 R32

1591. OBREGON BOTERO, R. Efectividad de algunos fungicidas sobre el *Corticium koleroga*, Cooke. Rev. Nac. de Agr. [Bogotá] 35:96-98. Jan. 1940. 9.4 R32

Found in coffee.

1592. OBREGON BOTERO, R., and OTOYA, F. J. Enfermedades de la cebolla. In their aspects to the agricultura intensiva en la provincia de Ocaña, Departamento Norte de Santander. Colombia U. Nac. Facul. Nac. de Agron. Rev. 4:1691-1720, illus. 1941. 9.4 C717 In Colombia.

1593. OBREGON BOTERO, R. Experimentos sobre adherentes para fungicidas. Rev. Cafetera de Colombia 8:2605-2606. June 1940. 68.28 R32

For control of coffee diseases.

1594. OBREGON BOTERO, R. Fitopatología. Agricultura [Bogotá] 13:946-950, illus. Jan./May 1941. 9.4 In22

On diseases of cacao, tomato, and papaya in Colombia.

1595. OBREGON BOTERO, R. Preliminares al estudio del "mal de tinta" en el café. Rev. Cafetera de Colombia 6:2131-2132. Jan./Apr. 1937. 68.28 R32

Pilem necrosis caused by *Phytonomas leptosporum*.

1596. OBREGON BOTERO, R. La stenosis, un achicamiento y arrugamiento del algodón. Bogotá, Imprenta Nacional, 1940. 16 p., illus. 64.042 Ob6

A physiological disease of cotton and its control.

1597. OCFEMIA, G. O. The abaca-disease situation in Davao. Philippine Agr. 26:229-236, illus. Aug. 1937. 25 P542

The abaca diseases in Davao are bunchy-top, mosaic-like disease, and banana-wilt-like disease; recommendations for control.

1598. OCFEMIA, G. O. A banana disease destructive to abaca at high elevations in Davao. Agr. & Indus. Mon. [Manila] 4(10):8-9, illus. July 1937. 25 Ag82

Until the fungus on abaca in Davao is definitely identified with *Fusarium oxysporum* Schl. f. 3. Wr., the third abaca disease will be referred to as "banana-wilt-like disease."

Bunchy-top and mosaic-like diseases are the other two mentioned.

1599. OCFEMIA, G. O., MACASAPAC, I. S., and YUCAN, H. F. Experimental transmission of the mosaic of *Canna indica*. Philippine Agr. 30:357-374, illus. Oct. 1941. 25 P542

In Davao, Philippines.

1600. OCFEMIA, G. O. Fiji disease of sugar cane: symptoms, transmission, and methods of eradication are discussed. Agr. Indus. Mon. [Manila] 6(2):34-35, illus. Nov. 1938. 25 Ag82

One of the major diseases of cane in the Philippines.

1601. OCFEMIA, G. O., CELINO, M. S., and GARCIA, F. J. Further studies on transmission of bunchy-top and mosaic of abaca (Manila hemp plant), separation of the two diseases, and mechanics of inoculation by *Pentalonia nigronervosa* Coquerel. Philippine Agr. 31:87-97, illus. Oct./Dec. 1947. 25 P542

1602. OCFEMIA, G. O. Geographical distribution of virus diseases of plants with special reference to the Philippines. Pacific Sci. Cong. Proc. (1939) 6(4):745-748. 1940 [1941]. 330.3 P19

1603. OCFEMIA, G. O. The probable nature of "cadang-cadang" disease of coconut. Philippine Agr. 26:338-340. Sept. 1937. 25 P542

Probably a virus disease.

1604. OCFEMIA, G. O. A review of sugarcane diseases in the Philippines. Internatl. Soc. Sugar Cane Technol. Cong. Proc. 6(1938):183-187. 1939. 65.9 In84
- Major diseases of sugarcane discussed are: leaf scald, downy mildew, smut, mosaic, and Fiji diseases.
1605. OCFEMIA, G. O., and CELINO, M. S. Securing disease-resistant abaca for fighting bunchy-top. Agr. & Indus. Mon. [Manila] 4(8):12-13, illus. May 1937. 25 Ag82
- Results of the work of the Department of Plant Pathology of the College of Agriculture at Los Baños, Laguna.
1606. OCFEMIA, G. O., and CELINO, M. S. Some recent findings regarding Fiji disease of sugarcane in the Philippines. Internatl. Soc. Sugar Cane Technol. Cong. Proc. 6(1938):550-554, illus. 1939. 65.9 In84
- Transmission experiments.
1607. OCFEMIA, G. O., and CELINO, M. S. Transmission of abaca mosaic. Philippine Agr. 27:593-598, illus. Dec. 1938. 25 P542
- In Davao, Philippine Islands.
1608. OCHOA, L. Mosaico amarillo; nota sobre las semillas de los frijoles en relación con esta enfermedad. Cuba. Min. de Agr. Rev. 27(28):17-19, illus. Nov./Dec. 1944. 8 Ag88Re
1609. OCHOA, C. Enfermedades causantes de la pérdida de las cosechas de papa en el Distrito de Jimenez Jimenez, Chih. Agricultura [Mexico] 2(11):35-37, illus. Mar./Apr. 1939. 8 Ag823
- Phytophthora infestans, Fusarium sp.
1610. OCHOA R., H. Una enfermedad de la caña de azúcar. Rev. Nac. de Agr. [Bogotá] 32:841-843. Jan. 3, 1937. 9.4 R32
- Similar to mosaic disease.
1611. OCHSE, J. J. Tristeza disease in Java. Citrus Indus. 29(11):12-14. Nov. 1948. 80 C49
- Also in Fla. State Hort. Soc. Proc. (1948) 61:33-35. 1949. 81 F66
1612. OFFERMANN, A. M. Determinación del "Nicotiana virus I" en tabacos manufacturados y productos insecticidas. Rev. Argentina de Agron. 10:268-274, illus. Sept. 1943. 9 R327
- In this study on the dissemination of Nicotiana virus I, 37 of 56 samples of manufactured tobaccos carried the virus, but it was not present in the insecticidal products examined.
1613. OFFERMANN, A. M., and VITORIA, E. R. Estudio sobre un virus productor del "marchitamiento" apical de la papa. Rev. Argentina de Agron. 8:105-113, illus. June 1941. 9 R327
- Identified as Solanum-virus-1 [potato mottle virus].
1614. OLIVEIRA, J. M. Plant-parasitic and free-living nematodes in Hawaii. Bernice P. Bishop Mus. Occas. Papers 15:361-373. July 15, 1940. 500 B450
- Annotated list of species attacking the two major crops, sugarcane and pineapple.
1615. OPSOMER, J. E. De invloed van de molaekziekte op de opbrengst van de cassave. B. Agr. du Congo Belge 29:317-322. June 1938. 24 K63
- French summary.
1616. OPSOMER, J. E. Observations sur la mosaïque du manioc. In Journées d'Agron. Colon. (Koloniale Landbouwdagen. 1937) p. 305-311. Louvain, 1937. 5 J82
- Belgian Congo
1617. ORELLANA, R. La sigatoka; una nueva enfermedad del banano. Flora [Quito] 2(3/4):117-119. May 1942. 450 F662
- Leaf spot caused by Cercospora musae in Ecuador.
1618. ORIAN, G. Artificial hosts of the sugar cane leaf scald organism. Rev. Agr. de l'île Maurice 21:285-304, illus. Nov./Dec. 1942. 24 M44
- Bacterium abiliense.
1619. ORIAN, G. Bud rot of the Areca nut palm in Mauritius. Rev. Agr. de l'île Maurice 27:271-275, illus. Nov./Dec. 1948. 24 M44
- Xanthomonas vasculorum.
1620. ORIAN, G. Bud rot of the royal palm in Mauritius. Rev. Agr. de l'île Maurice 26:223-258, illus. Sept./Oct. 1947. 24 M44
- Xanthomonas vasculorum.
1621. ORIAN, G. Deux maladies bactériennes de la canne à sucre à Maurice. Rev. Agr. de l'île Maurice 21:153-166 (July/Aug. 1942. 24 M44
- Gummosis (Bacterium vasculorum) and leaf scald (Bacterium abiliense).
1622. ORIAN, G. Hosts of the sugar cane gumming disease organism. Rev. Agr. de l'île Maurice 20:19-58, illus. Jan./Feb. 1941. 24 M44
- I. The natural hosts of Bacterium vasculorum in the island. II. Artificial hosts of B. vasculorum (Cobb) Gr. Smith. III. Characters and reactions of the gumming disease bacterium isolated from sugarcane, maize, palm and Thysanolaena.
1623. ORIAN, G. Natural hosts of Bacterium vasculorum (Cobb) Gr. Smith in Mauritius. Internatl. Soc. Sugar Cane Technol. Cong. Proc. 6(1938):437-447, illus. 1939. 65.9 In84
- I. Maize. II. The disease of palm. III. The disease of Thysanolaena maxima Kuntze. IV. Other hosts.
1624. ORIAN, G. Notes préliminaires sur quelques hôtes artificiels du Bacterium abiliense Ashby. Rev. Agr. de l'île Maurice 19:12-13. Jan./Aug. 1940. 24 M44
- Results of the artificial transmission of leaf scald (Bacterium abiliense).
1625. ORIAN, G. Notes préliminaires sur une maladie du palmier à Maurice, causée par le Bacterium vasculorum (Cobb) Gr. Smith. Rev. Agr. de l'île Maurice 93:100-101, May/June 1937. 24 M44
- On Dictyosperma album.
1626. ORIAN, G. Un nouvel hôte naturel du Bacterium vasculorum (Cobb) Gr. Smith, à Maurice. Rev. Agr. de l'île Maurice 94:130-131. July/Aug. 1937. 24 M44
- Thysanolaena maxima (tiger grass).
1627. ORJUELA NAVARRETE, J. E. La enfermedad "red stripe" de las hojas de la caña de azúcar en Colombia. Sup. Agron. Agr. Trop. 2:23-37, illus. May 1946. 26 Ag84
- Produced by Phytomonas rubrilineas.
1628. ORJUELA NAVARRETE, J. E. El mildew polvoroso [Ovariosporium gossypii] del algodón en Colombia. Agr. Trop. 1(9):51-56, illus. Oct. 1945. 26 Ag8
1629. ORJUELA NAVARRETE, J. E. Situación patológica de las plantaciones de caña de azúcar en las zonas del Valle de Cúcuta, Villa del Rosario y regiones aledañas. Colombia. U. C. Facul. Nac. de Agron. Rev. 5:200-231. 1944. 9.4 C717
1630. ORLANDO, A., and SILBERSCHMIDT, K. Estudos sobre a disseminação natural do vírus da "clorose infecciosa" das Malvaceas (Abutilon virus I. Baur.) a sua relação com o inseto-vetor "Bemisia tabaci (Genn.)." (Homoptera-Aleyrodidae). Int. Biol. São Paulo. Agr. 17:1-36. 1946. 442.9 Sa6
- English summary.
1631. ORLANDO, A., and SILBERSCHMIDT, K. Estudos sobre a transmissão da doença de vírus de Solanaceas "necrose das nervuras," por afídeos, e algumas relações entre esse vírus e o seu principal inseto-vetor. Int. Biol. [São Paulo] Arq. 16:133-152. Nov. 1945. 442.9 Sa6
- English summary.
1632. ORLANDO, A., and SILBERSCHMIDT, K. Estudos sobre a transmissão do vírus Y das batatinhas por afídeos. Biológico 10:269. Aug. 1944. 442.8 B529
1633. ORLANDO, A., and SILBERSCHMIDT, K. O vetor da "clorose infecciosa" das malvaceas. Biológico 11:138-139, illus. May 1945. 442.8 B529
- English summary.
1634. ORLANDO, A., and SILBERSCHMIDT, K. Infectious chlorosis transmitted to Sida rhombifolia by species of Aleyrodidae (White fly).
1634. ORTIZ, C. R. Enfermedades del cocotero Venezolano. (Anillos rojos). Agr. Venezol. 1(9):9-11, illus. Jan. 1937. 9.95 Ag8
- Aphelenchus cocophilus, a nematode causing red ring of coconut.
1635. ORTIZ, C. R. El "carbon" de la caña de azúcar. Paraguay. Min. de Agr. Rev. 1:45-47; (2):6-9. Apr./Oct. 1944. 9.7 Ag8Re
- Smut on sugarcane caused by the fungus Ustilago scitaminea.
- Also in Agr. Mex. 60(9):1-5. Sept. 1944. 8 Ag8
1636. ORTIZ GARMENDIA, J. La enfermedad de las sandías en El Palqui. Agr. del Norte 28:33. Feb./Mar. 1944. 9.3 Sc14
- Disease caused by Fusarium nivium in Chile.
1637. ORTIZ GARMENDIA, J. La enfermedad [Ascochyta chermolima] del cambium en chirimoyos. Simiente 14(3/4):38. 1945. 9.3 S14
- In the Province of Coquimbo, Chile.
1638. OSORIO, J. M. Enfermedades del arroz transmitidas por sus semillas y métodos para su dominio. Agronomía [Havana] 8:30-31. Jan. 1948. 8 C893
- Includes nematode disease, blight and mildew.
1639. OSORIO TAFALL, B. F. Algunas enfermedades criptogámicas de las coles. Mex. Dept. Fitosanít. Fitófilo 2:62-75, illus. May/June 1943. 421 F55

1640. OSORIO TAFALL, B. F. La gomosis de la caña de azúcar [Phytophoma vascularum]. Mex. Dept. Fitosan. Fitofilo 2:61-82, illus. Jan./Feb. 1943. 421 F55
1641. OSORIO TAFALL, B. F., and MELENDEZ, M. DE L. A. El manchado tardío del apio, Apium graveolens L. Mex. Dept. Fitosan. Fitofilo 2:95-121, illus. Nov./Dec. 1943. 421 F55
- Date blight of celery produced by *Septoria apii* graveolentis.
1642. OTERO, J. L., and COOK, M. T. A bibliography of mycology and phytopathology of Central and South America, Mexico and the West Indies. P. R. U. J. Agr. 21:249-486. July 1937. 8 P832J
1643. OWEN, H. Mosaic diseases of Malvaceae in Trinidad, B. W. I. Trop. Agr. [Trinidad] 23:157-162, illus. Sept. 1946. 26 T754
- Transmission.
1644. PACCA, D. W. Contribuição ao estudo das doenças da mandioca. Rodriguesia 3:171-178, illus. Sept./Dec. 1937. 442 R61
- I. Bacteriose. II. Ferrugem. III. Manchas das folhas.
1645. PACHECO H., M. Ataca también la sigatoka al maíz? Guatemala Sec. de Agr. Rev. Agr. 20(1/2):18-20, illus. Feb. 1943. 8 G934
- Occurrence of *Cercospora musae* "propia de los plataneros y otras plantas musáceas." Other diseases of maize cited are *Puccinia maydis*, *P. palerensis*, and *Helminthosporium turicum*.
1646. PACHECO H., M. La caña azúcar en Guatemala. Guatemala Sec. de Agr. Rev. Agr. 19(8/9):158-164. Aug./Sept. 1942. 8 G934
- Diseases of sugarcane.
1647. PACHECO H., M. Estudio sobre la enfermedad de los bananeros. Guatemala Sec. de Agr. Rev. Agr. 14:423-429. May 30, 1937. 8 G934
- On the control of the sigatoka disease caused by *Cercospora musae*.
1648. PACIFIC CHEMICAL AND FERTILIZER CO. How to protect plants; a guide to the control of pests and diseases of plants in Hawaii. Rev. Honolulu, 1947. 56 p. 464.4 P11
- Plant diseases commonly found in Hawaii, p. 16-19. Control chart for pests and diseases of flowers and vegetables in Hawaii, p. 20-35.
1649. PADMANABHAN, S. Y. A destructive "helminthosporiose" of bananas in Bengal. Sci. & Cult. 13:509. June 1948. 475 Sc124
- Helminthosporium sp.
1650. PADMANABHAN, S. Y., CHOWDHRY, K. R. R., and GANGULY, D. Helminthosporium disease of rice. I. Nature and extent of damage caused by the disease. Indian Phytopath. 1:34-47. 1948. 464.8 In2
- Caused by the fungus *Helminthosporium oryzae*.
1651. PADMANABHAN, S. Y. A new seedling disease of brinjals. Indian J. Agr. Sci. 17:393-395, illus. Dec. 1947. 22 Ag831
- Leaf spot of eggplant caused by the fungus *Ascochyta melongenae*; control measures.
1652. PADMANABHAN, S. Y. Occurrence of fungi inside rice kernels. Cur. Sci. 18:442-443, illus. Dec. 1949. 475 Sc123
- Mainly *Trichoconis padwickii*.
1653. PADMANABHAN, S. Y. Rhizoctonia-leafspot, a new leaf disease of sugarcane. Cur. Sci. 15:353. Dec. 1946. 475 Sc123
- In Bengal, India.
1654. PADMANABHAN, S. Y., and RAFAY, S. A. Two new reports of fungi on *Saccharum officinarum* and *S. arundinaceum*. Cur. Sci. 11:150-152, illus. Apr. 1942. 475 Sc123
- Schizophyllum commune* on *Saccharum officinarum*. Fungi parasitic on fungi: *Darlusia* found on *Puccinia kuehnii* on *Saccharum arundinaceum*.
1655. PACURIGAN, D. B., and TUGADE, P. P. Tobacco in the Philippines. Philippine J. Agr. 11(1/3):1-269, illus. 1940. 25 P543
- Tobacco diseases, p. 65-70.
1656. PAIVA, O. Notas sobre fisiologia e seleção de trigo. Rev. Agron. [Rio Grande do Sul] 6(70):535-536. Oct. 1942. 9.2 R325
- Susceptibility to physiological disease.
1657. PAIXAO, J. S. DA. O anel vermelho surge, devastando os coqueirais do Cariri. Pernambuco. Dept. de Asst. as Coop. Rev. 11:303-304, illus. Nov./Dec. 1948. 280.29 P42
- Caused by the nematode *Aphelenchoides cocophilus*.
1658. PALIT, B. K. Studies on the growth and development of jute (*Corchorus capsularis*) with special reference to (1) the requirement of boron during its life-cycle and (2) the relation of boron to the "dieback" effect. Bose Res. Inst., Calcutta, Trans. (1939/41) 14:111-125, illus. [1943]. 513 B65
1659. PALMA, D. La tuberculosia [Phytophoma savastanoi] del olivo. Corp. Fruticola Argentina. Rev. Ofic. 12(133):19-23. Jan. 31, 1946. 83 C81
- From Olivicultura Argentina.
- Olive knot.
1660. PALO, M. A., and CALINISAN, M. R. The bacterial wilt of the abaca (Manila hemp) plant in Davao. I. Nature of the disease and pathogenicity tests. Philippine J. Agr. 10:373-395, illus. 1939. 25 P543
- Caused by *Bacterium solanacearum*.
1661. PALO, M. A. Eggplant diseases and their control. Philippine J. Agr. 9:403-414, illus. 1938. 25 P543
- Farmers' Circular No. 44.
- Damping-off, bacterial wilt, Phomopsis and Phytophthora diseases, root-knot, and stem rot.
1662. PANSE, E. Die kränkelkrankheit (rosette, mosaik) bei erdnüssen. Tropenpflanzer 40:218-220. May 1937. 26 T75
- In Africa.
1663. PANSE, V. G., and PATEL, A. F. A genetical study of roots in relation to disease-resistance in cotton. Indian J. Agr. Sci. 7:451-457. June 1937. 22 Ag831
- Results of work done at the Agricultural Experiment Station, Baroda, India.
1664. PARANDEKAR, S. A. A note on the uredo on *Jasminum malabaricum* Wight. Indian Bot. Soc. J. 16:307. Oct. 1937. 450 J821
1665. PARDO NAVARRO, L. Observaciones sobre el caldo bordelés. Trop. Agr. 1(4):43-44. May 1945. 26 Ag8
1666. PARHAM, B. E. V. Botanical note. Plant protection. Fiji Dept. Agr. Agr. J. 11:103-105; 12:103-104; 13:27-28. 1940-42. 25 F47Ag
- Plant diseases, Fiji.
1667. PARHAM, B. E. V. Citrus diseases in Fiji. Fiji Dept. Agr., Agr. J. 8(4):22-24. Dec. 1937. 25 F47Ag
- Mottle leaf, collar rot, bark-crack, sooty mould and citrus scab.
1668. PARHAM, B. E. V. New banana varieties for Fiji. Fiji Dept. Agr., Agr. J. 9(2):12-14, illus. June 1938. 25 F47Ag
- Resistant to local diseases: leaf spot and bunchy-top virus.
1669. PARISIO, P. O "mal das raízes da cana de açúcar em Pernambuco. Pernambuco. Sec. Agr. Indus. e Com. B. 8:6-11, illus. July 1941. (Libr. Cong.)
1670. PARISIO, P. Ocorrência de fungos em terras diatomáceas e sua importância em face da exportação. Pernambuco, Brazil (City). Inst. de Pesquisas Agron. Arg. 3:5-11, illus. 1941. 9.2 R24A
- English summary.
- Concerns the discovery in 1937 of the diatomaceans mine near the city of Recife, State of Pernambuco, Brazil, in which has been found fungi of the genus *Phytophopsis*, *Rhizopus* and *Penicillium*.
1671. PARK, M., and FERNANDO, M. A convenient method of determining the incubation period of a plant pathogen in the field. Trop. Agr. [Ceylon] 93:213-214, illus. Oct. 1929. 26 T751
- Method developed in connection with the frog-eye disease of tobacco; experimental work 1938-39 at the Experiment Station, Ganewatta.
1672. PARK, M., and FERNANDO, M. Diseases of village crops in Ceylon. Ceylon government press, 1941. 72 p., illus. (pt. col.). 464 P21
- Peradeniya manual No. IV. Designed for use in the schools for the identification of plant diseases in Ceylon.
1673. PARK, M. A note on the occurrence of blossom- and rot of tomatoes at Anuradhapura, 1937. Trop. Agr. [Ceylon] 89:141-147. Sept. 1937. 26 T751
- Soil experiments.
1674. PARK, M., and FERNANDO, M. Recent research in Ceylon on the frog-eye disease of cigarette tobacco. Trop. Agr. [Ceylon] 95:131-135. Sept. 1940. 26 T751
- Leaf spot of tobacco induced by the fungus *Cercospora nicotianae*; results of experiments carried out at the departmental tobacco stations at Wariyapola and Ganewatta, 1936-39.

1675. PARK, M., and FERNANDO, M. Some studies on tobacco diseases in Ceylon. I-VI. Trop. Agr. [Ceylon] 88: 153-168, 268-282; 90: 323-340, 341-347; 91: 338-344; 95: 18-15, 159-140, 26 T751.
- W. R. C. Paul, joint author V-VI.
1. [No sub-title], II. Field spraying against frog-eye, *Cercospora nicotianae* E. and E. III. The effect of the time of spraying and of the nature of the fungicide on the control of frog-eye (*Cercospora nicotianae* E. and E.). IV. The economics of field-spraying for the control of frog-eye (*Cercospora nicotianae* E. and E.). V. The use of fungicides in the control of damping-off of tobacco seedlings. VI. The effect of priming and of the application of fungicides on the control of frog-eye in the field.
1676. PARK, M., and FERNANDO, M. A variety of brinjal (*Solanum melongena* Linn.) resistant to bacterial wilt. Trop. Agr. [Ceylon] 94:19-21, illus. Jan.1940. 26 T751
- Bacterial wilt of eggplant in Ceylon.
1677. PARODI, L. R. *Ustilago perennans* parásito de *Arrhatherum elatius* cultivado en la Facultad de Agronomía de La Plata. Rev. Argentina de Agron. 5:188. Sept.1938. 9 R327
- Brief note.
1678. PARRIS, G. K. A check list of fungi, bacteria, nematodes, and viruses occurring in Hawaii, and their hosts. Plant Dis. Rptr. Sup. 121,91 p. Mar.1,1940. 1,9 P69P
1679. PARRIS, G. K. The diseases of truck crops in Hawaii. Hawaii Agr. Ext. B. 33,78 p., illus. Oct.1938. 275.29 H312E
- A field handbook for growers in Hawaii.
1680. PARRIS, G. K. Eye-spot of Napier grass in Hawaii, caused by *Helminthosporium sacchari*. Phytopathology 32:46-63, illus. Jan.1942. 464.8 P56
- A detailed account.
1681. PARRIS, G. K. Mechanical transmission of yellow-spot virus: evidence for identity with spotted-wilt virus. Phytopathology 30:299-312, illus. Apr.1940. 464.8 P56
- Technical paper, No. 50, Hawaii Agricultural Experiment Station.
- Experiments on spotted wilt diseases of tomatoes.
1682. PARRIS, G. K., and PIPPERTON, J. C. A new disease of Napier grass in Hawaii. Hawaii Agr. Expt. Sta. Prog. Notes 15,11 p. Sept.1940. 100 H313P
- Caused by a species of *Helminthosporium*.
1683. PARRIS, G. K. Phytophthora parasitica on papaya (*Carica papaya*) in Hawaii. Phytopathology 32: 314-318, illus. Apr.1942. 464.8 P56
1684. PARRIS, G. K. The reactions of introduced bean varieties to rust (*Uromyces phaseoli* typica) in Hawaii. Plant Dis. Rptr. 22:424-428. Nov.15,1938. 1,9 P69P
1685. PARRIS, G. K., and MATSUURA, M. A second strain of bean rust in Hawaii. Plant Dis. Rptr. 25:311. June 15,1941. 1,9 P69P
1686. PARSEVAL, M. VON. Algumas explicações sobre o valor da cura das sementes e o que não se deve esperar do seu efeito e algumas observações necessárias sobre a resistência de trigos a ferrugem. Rio Grande do Sul. Sec. de Estado dos Negócios da Agr., Indús. e Com. B. 54,8 p. Apr.1937. 9,2 R473
- In the State of Rio Grande do Sul, Brazil.
1687. PARSEVAL, M. VON, and NETO, J. P. DA C. Contribuição para o conhecimento da brusone do arroz. Rev. Agron. Rio Grande do Sul 2:843-847, 932-935, 1017-1023, illus. Sept-Nov.1938. 9,2 R325
1688. PASQUALE, D. R. "Marchitez" de la papa probable fusariosis en el sudeste de la Pcia. de Buenos Aires. IDIA: Inform. de Invest. Agr. 2(15):13, illus. Mar. 1949. 9 I63
1689. PATEL, J. S. The coconut; a monograph. Madras, Printed by the Superintendent, Government Press, 1938. 313 p., illus. 77 P27
- Diseases and pests, p. 259-277.
1690. PATEL, M. K., and MONIZ, L. Bacterial leaf-spot of *Desmodium gangeticum* DC. Indian Phytopath. 1: 137-141. 1948. 464.8 In2
- Xanthomonas desmodii-gangetici, n. sp.
1691. PATEL, M. K., and PADHYE, Y. A. Bacterial soft rot of mango in Bombay. Indian Phytopath. 1:127-128. 1948. 464.8 In2
- Bacterium carotovorum.
1692. PATEL, M. K. Bremia sp. on *Arthraxon lanceifolius* Hoch in India. Indian Phytopath. 1:104-106, illus. 1948. 464.8 In2
- Bremia graminicola var. indica, n. var.
- Fungi collected in Bombay Province.
1693. PATEL, M. K., KULKARNI, Y. S., and DHANDE, P. W. *Dolichos biflorus* L.—a new host of *Xanthomonas phaseoli* sojense (Hedges) Dowson. Cur. Sci. 18:83-84. Mar. 1949. 475 Sc123
- A bacterial leaf spot on kulthi (*D. biflorus*), a pulse and fodder crop in India.
1694. PATEL, M. K. A new bacterial disease of *Ipomoea muricata*. Cur. Sci. 17:245. Aug.1948. 475 Sc123
- Xanthomonas uppalii* n. sp.
1695. PATEL, M. K., MONIZ, L., and KULKARNI, Y. S. A new bacterial disease of *Mangifera indica* L. Cur. Sci. 17:189-190. June 1948. 475 Sc123
- Pseudomonas mangiferae-indicae* n. sp.
- Observed in India on the Agricultural College Farm, Poona, and in the Mango Gardens at Dharwar.
1696. PATEL, M. K. Production of oospores by *Sclerospora sorghi* on maize. Cur. Sci. 18:83. Mar.1949. 475 Sc123
- Preliminary note from the Plant Pathological Laboratory, College of Agriculture, Poona, India. Detailed report to be published.
1697. PATEL, M. K., KULKARNI, Y. S., and MONIZ, L. *Pseudomonas mangiferae-indicae*, pathogenic on mango. Indian Phytopath. 1:147-152. 1948. 464.8 In2
1698. PATEL, M. K. *Xanthomonas desmodii*, a new bacterial leaf-spot of *Desmodium diffusum* DC. Cur. Sci. 18:213. June 1949. 475 Sc123
1699. PATEL, M. K., and MONIZ, L. *Xanthomonas desmodii-gangetici*, sp. nov., Uppal, Patel and Moniz; a new bacterial leaf-spot of *Desmodium gangeticum* DC. Cur. Sci. 17:268. Sept.1948. 475 Sc123
1700. PATEL, M. K., and KULKARNI, Y. S. *Xanthomonas malvacearum* (Erw. F. Smith) Dowson on exotic cottons in India. Cur. Sci. 17:243-244. Aug.1948. 475 Sc123
- Angular leaf spot.
1701. PATEL, M. K. *Xanthomonas uppalii* sp. nov. pathogenic on *Ipomoea muricata*. Indian Phytopath. 1:67-69. 1948. 464.8 In2
- A bacterial disease in India.
1702. PENA-BERMUDEZ, M. Enfermedades de los frutales cítricos. Buenos Aires, Atlantida, 1947. 252 p., illus. 464.06 P372
- Contents. Pt. I, Enfermedades parasitarias producidas por los hongos; Pt. II, Enfermedades parasitarias producidas por insectos y arácnidos; Pt. III, Enfermedades no parasitarias; Pt. IV, Lucha contra los agentes causales de las enfermedades.
1703. PENNOCK, W. Notes on cinchona culture. In Verdoorn, F., ed., Plants and plant science in Latin America, p. 202-205. Waltham, Mass., 1945. 453 V58
- Disease control measures, p. 205.
1704. PENSO, G. Su due Anguilluline parassite dei banani della Somalia Italiana. Agricoltura Colon. 33: 351-353, illus. June 1939. 26 Ag82
- Manginia musae, *Cephalobus elatus*.
1705. PERALTA, J. DE, and AGATI, J. A. The rice cadang-cadang in Albay province: I-II. Philippine J. Agr. 10:153-171, 271-283, illus. 25 P543
- I, Its probable cause. [Investigations show that disease is due to deficiency in soil]; II, Fertilizer treatments, by J. A. Agati and F. Peralta.
1706. PEREIRA BARRETO, U. O carbono e os cafeeiros sombreados. [São Paulo] Inst. de Café Rev. 15:118-122, illus. Feb.1940. 68.29 Sa63
1707. PEREIRA CALZADILLA, O. Papel del calcio en la represión de la enfermedad conocida como "bud rot" o pudrición del cogollo del cocotero. Rev. de Agr. [Cuba] 27(26):143-149. May/June 1944. 8 Ag88Re
1708. PEREZ ALCALA, R. El "mal de escalera" en los canaverales de Santa Cruz. Campo [La Paz] 3(26): 11-19. June 1949. 9,1 C15
- "Twisted top" of sugarcane caused by *Fusarium moniliforme*.
1709. PEREZ ARBELAEZ, E. Manual del cacaoero venezolano. Caracas, Cooperativa de Artes Graficas, 1937. 392 p., illus. [col.]. [Biblioteca del Agricultor Venezolano, t. II]. 68.3 P41
- Enemigos, parásitos y enfermedades del cacao, p. 227-271.
1710. PEREZ RODRIGUEZ, O. La viruela del algodón (*Puccinia schedonardii*). Mex. Dir. de Agr. B. "Defensa Agr." 5/6:15-17. June/July 1941. 423.92 M57B
- Puccinia schedonardii* = *Aecidium gossypii*.
1711. PEREZ TORO, A., and FLORES CACERES, S. Enfermedades, plagas y anomalías del henequén en la región del Estado de Yucatán. Chapingo 3:181-183, 208-211, 239. Mar.-Apr.1949. 102 C36
- In Mexico.

1712. PEREZ Y PEREZ, F. El tizon del trigo. Mex. Dir. de Econ. Rur. B. Mens. 267:634-636. Aug. 1948. 254.5 Ag83
1713. PERNAMBUCO (CITY), BRAZIL. INSTITUTO DE PESQUISAS AGRONOMICAS. Mal da raiz da cana de açúcar. Pernambuco. Sec. de Agr., Indus. e Com. B. 9: 115-116. June 1942. 9.2 P423
1714. PERRET, C. Le probleme actuel de la degenerescence des pommes de terre. Rev. Agr. de la Nouvelle-Caledonie 1942:4788-4796. Aug. 1942. 25 N43
- Virus diseases of New Caledonia.
1715. PERU. DIRECCION DE AGRICULTURA Y GANADERIA-SECCION TECNICA DE DEFENSA AGRICOLA. Informes de sanidad vegetal presentados por los ingenieros inspectores de los departamentos de Ica, Arequipa, Moquegua y Tacna. Lima, 1939. 73 p., illus. 464 P43
- Plant diseases of Peru.
1716. PFALTZER, A. De bestrijding van topsterfte. Bergcultures 11:1395-1401. Sept. 25, 1937. 22.5 B45
- Of coffee.
1717. PFALTZER, A. Mededeeling over proeven ter bestrijding van de schade door koffieaaltjes aangericht. Bergcultures 11:1363-1368. Sept. 18, 1937. 22.5 B45
- Nematode disease of coffee caused by *Tylenchus coffeae*.
1718. PFALTZER, A. Overzicht van de ziekten van dadap (*Erythrina* sp.) en lamtora (*Leucaena glauca*). Bergcultures 18:379, 381, 383, 385, 387, 389, 391, 397, 399, 401, 403, 405, 407-408. Sept. 16-Oct. 1, 1949. 22.5 B45
- Diseases of the dadap and lead trees in the Netherlands Indies.
1719. PFALTZER, A. Topsterfte-bestrijding speciaal in verband met rejuvenatie. Bergcultures 14:228-229. Feb. 17, 1940. 22.5 B45
- Top dieback control.
1720. PFALTZER, A. Een voorloopige mededeeling over de zgn. "bitten"-disease, een ziekte bij tweekeekplanten. Bergcultures 14:1364-1365, illus. Oct. 26, 1940. 22.5 B45
- Physiological.
1721. PHILIPPINE ISLANDS. BUR. OF PLANT INDUSTRY. Semiannual report of the director of plant industry for the period from January 1 to June 30, 1939. Manila, 1940. 220 p. 25 P544
- Plant pathology, p. 73-79. Principally on diseases of abaca, coconut palm, and peanuts.
- Earlier annual reports include also diseases of citrus, beans, potato, rice, eggplant, onion, tomato, cauliflower, tobacco, cacao, banana, and strawberries.
- Later reports are not available.
1722. PHILIPPINE ISLANDS. DEPT. OF AGRICULTURE AND COMMERCE. Semiannual report, January 1 to June 30, 1939. Manila, 1939. 119 p. 25 P533
- Plant pathology, p. 36. Reports the study of diseases of rice, citrus, mango, peanut, bean, strawberry, potato, and abaca.
- Earlier reports the same with the exception of the 1935/36 report which mentions research work in the eradication of bunchy top of abaca, the control of coconut bud rot, stem-rot disease of rice, and black pod disease of cacao.
- Later reports not yet received.
1723. PICADO, C. El Fusarium del café en Costa Rica. Inst. de Defensa del Café de Costa Rica. Rev. 19: 77-86. June 1948. 68.28 C82
1724. PICKEL, B. A bacteriose da mandioca no vale do Paraiba. Biológico 5:117-118. June 1939. 442.8 B529
- In Brazil.
1725. PICKEL, B. As doenças da cana de açúcar em Pernambuco. Bras. Açucareiro 14(2):65-69. Aug. 1939. 65.8 B73
1726. PICKEL, B. A influencia da calda borealea sobre a folhagem das plantas. Biológico 5:167-171. Aug. 1939. 442.8 B529
1727. PICKEL, B. O mildio da roseira em S. Paulo. Biológico 5:192-194. Sept. 1939. 442.8 B529
- Downy mildew of rose (*Peronospora sparsa*).
1728. PICKEL, D. B. O Fusarium cubense em Pernambuco. Rev. de Agr. [Piracicaba] 14:107-111. Mar./Apr. 1939. 9.2 R324
- Banana wilt.
1729. PICKEL, D. B. Lista das molestias e dos fungos parasitarios das plantas cultivadas em Pernambuco. Rodriguesia 2(no. especial):207-212. 1936[1937]. 442.8 R61
1730. PICKEL, D. B. As molestias mais perniciosas da cana de açúcar em Pernambuco. Biológica 4:361-367, illus. Nov. 1938. 442.8 B529
- Mosaic and root diseases of sugarcane in Brazil.
1731. PICKEL, D. B. A "podridão estilar" do tomate. Biológico 5:68-70, illus. Apr. 1939. 442.8 B529
- Physiological disease.
1732. PICKLES, A. Pathological problems of sugar cane in St. Kitts: incidence and effect of "red rot." Brit. West Indies Sugar Assoc. Proc. Mig. Sugar Technol. 1946:105-106. 65.9 B775
1733. PIERES, R. B. Los citruss. Argentina Min. de Agr. B. Frut. y Hort. 4(39):1-286, illus., map. July 1939. 286.83 Ar32
- Las enfermedades de los citruss, by H. A. Speroni, p. 137-197.
1734. PIOVANO, A. P. La cebolla (*Allium cepa* L.). Argentina. Min. de Agr. B. Frutas y Hort. 5(44):29 p., illus. July 1940. 266.83 Ar32
- Enfermedades, p. 19-22.
1735. PIOVANO, A. P. Contribución para el estudio de las enfermedades por virus filitrables de las plantas cultivadas en Mendoza. Soc. Argentina de Patol. Region. Nov. Reunión (1935) 2(9):1190-1202, illus. 1937. 448.9 Sol
- In Argentina.
1736. PITTMAN, H. A. J. Bacterial blight of beans. West. Austral. Dept. Agr. J. (ser. 2):15:172-177, illus. June 1938. 23 W52J
- In Australia, caused by *Phytophthora medicaginis*.
1737. PITTMAN, H. A. J. Leaf rust of stone fruits. West. Austral. Dept. Agr. J. 15:191-193, illus. June 1938. 23 W52J
1738. PLOPER, J. La "peste negra" del tomate y "peste blanca" del pimiento caracterizadas y forma de lucha para disminuir los daños. Tucumán. Estac. Expt. Agr. C. 141,3 p. 1948. 102.5 T79
- Also in Rev. Mens. P. A. P. 31:73,75. Aug. 1948. 9 R326
1739. POEL, J. VAN DER. Overzicht van de thans verkregen resultaten bij het onderzoek naar den invloed van verschillende meststoffen op de slijmziekte. Deli Proefsta. te Medan, Meded. 99,31 p. 1938. 109.5 D37
- English summary.
- Slime disease or wilt disease of tobacco; results of experimental work at the Deli Experiment Station at Medan, Sumatra.
1740. POGGI, C. A. El oidio y la peronospora los en vides. Conveg. Conf. Agric. Argentina. Rev. Ofic. 14(157): 15. Jan. 31, 1948. 83 C81
1741. POLO CELIS, A. El problema platanero de Tabasco. Agricultura [Mexico] 2(11):38-54, illus. Mar./Apr. 1939. 8 Ag823
- Leaf spot of banana in the State of Tabasco, Mex., caused by *Cercospora musae*.
1742. POMPONIO, H. C. El enlulado de las hojas del duraznero. Corp. Fruticola Argentina. Rev. Ofic. 11(125):29-30. May 31, 1945. 83 C81
- Caused by *Taphrina deformans*.
1743. PONTIS, R. E. El "bitter pitt" de la manzana en la provincia de Mendoza. Rev. Mens. B. A. P. 22:31, 33-34, illus. Oct. 1939. 9 R326
- In Argentina.
1744. PONTIS, R. E. Enfermedades poco conocidas de las papas, Mendoza (Prov.). Dir. de Indus. y Fomento Agr. B. Agr. 12:205-209, illus. Mar./May 1944. 9 M52B
- On potato diseases in Argentina and their control: black heart, hollow heart, fissures, and scab.
- Also in Campo 28(336):32-33, illus. Oct. 1944. 9 C15
1745. PONTIS, R. E. El "mal de la tinta" del nogal en la Republica Argentina. Rev. Argentina de Agron. 6:317-325, illus. Dec. 1941. 9 R327
- English summary.
- Also in Mendoza (Prov.). Dir. de Indus. y Fomento Agr. B. Agr. 11:178-181, illus. July/Sept. 1943. 9 M52B
- Description of the disease due to *Phytophthora citrophthora*; detailed account of its cause and control.
1746. PONTIS, R. E. El "marchitamiento" del pimiento (*Capiscum annuum*) en la provincia de Mendoza. Rev. Argentina de Agron. 7:113-127, illus. June 1940. 9 R327
- Fusarium vasinfectum, F. solani, F. solani v. martii.
- Also in B. Agr. [Mendoza] 8:211-214, illus. July/Sept. 1940. 9 M52B
1747. PONTIS, R. E. *Phytophthora capsici* en frutos de zapallito de tronco [Cucurbita maxima]. Rev. Argentina de Agron. 12:17-21. Mar. 20, 1945. 410 R327
- A fungus causing a wilt of the squash plant and a white rot of the fruit.

1748. PONTIS, R. E. La viruela del apio en la provincia de Mendoza. Mendoza (Prov.). Dir. de Indús. y Fomento Agr. B. Agr. 9:54-56, illus. Jan./Mar. 1941. 9 M52B
- Late blight of celery, in Argentina, produced by *Septoria apii-graveolentis*.
1749. PONTIS V., R. E. Observaciones fitopatológicas. Mendoza (Prov.). Dir. de Indús. y Fomento Agr. B., Agr. 8:1-168, illus. May/June 1940. 9 M52B
- Plant diseases in Argentina.
1750. POFFENOE, W. Leaf spot of bananas. Jamaica Agr. Soc. J. 43:337-341. Aug. 1939. 8 J223
- Includes history of the disease in Jamaica, caused by *Cercospora musae*.
1751. PORTERES, R., and LEGLEU, R. La "rosette" de l'arachide; connaissances actuelles relations avec la date des semis dans le pays du Baoulé-Nord méthodes prophylactiques à appliquer. Ann. Agr. de l'Afrique Occident. 1:332-355. July/Oct. 1937. 24 An7
- Contents: I. Aperçu sur l'état actuel de nos connaissances concernant la mosaïque de l'arachide; II. Perte de production-gousse chez les "rosettes" et les "clumps"; III. Relation entre l'époque des semis et l'infection; IV. Les symptômes et les méthodes de lutte; V. Les mesures prophylactiques préventives à prendre contre la mosaïque de l'arachide en Côte-d'Ivoire.
1752. PORTSMOUTH, G. B., and LOOS, C. A. Blister blight—a review. Ceylon Tea Res. Inst. Tea Q. 20:77-84. June 1949. 68.18 C33
1753. POSNETTE, A. F. Alternative host plants of cacao viruses. In: Cacao, Chocolate and Confectionery Alliance. Report of the Cocoa Conference, 1949, p.41-44. London, 1949. 68.39 C642
1754. POSNETTE, A. F. Cacao virus research in West Africa. Cacao Res. Conf. Rpt. & Proc. 1945:114-117. 1945. 68.39 C64
- Swollen shoot disease.
1755. POSNETTE, A. F. Control measures against swollen shoot virus disease of cacao. Trop. Agr. [Trinidad] 20:116-123. June 1943. 26 T754
- Experimental work at the Central Cocoa Research Station at Tafo, Gold Coast, Africa.
1756. POSNETTE, A. F. The diagnosis of swollen-shoot disease of cacao. Farm and Forest [Nigeria] 4:67-70. June 1943. 24 F226
- A virus disease in the Gold Coast, Africa.
- Also in Trop. Agr. [Trinidad] 21:56-58. Mar. 1944. 26 T754
1757. POSNETTE, A. F., and PALMA, M. Observations on cacao on the Paria Peninsula, Venezuela. Trop. Agr. [Trinidad] 21:130-132. July 1944. 26 T754
- Survey of diseases and disease resistance.
- Spanish translation in Agr. Venezol. 8:4-5. July/Aug. 1944. 9.95 Ag8
1758. POSNETTE, A. F. Root-rot of cocoyams (*Xanthosoma sagittifolium* Schott). Trop. Agr. [Trinidad] 22:164-170. Sept. 1945. 26 T754
- Disease of Yantia. Primary pathogen may be a virus, rendering plant susceptible to a variety of weak parasites.
1759. POSNETTE, A. F. Swollen-shoot virus disease of cacao. Trop. Agr. [Trinidad] 18:87-90, illus. maps. May 1941. 26 T754
- Review of research work to November 1940.
1760. POSNETTE, A. F. Transmission of "swollen shoot" disease of cacao. Trop. Agr. [Trinidad] 17:98. May 1940. 26 T754
- This evidence of transmissibility, in the absence of any isolated pathogen, suggests that the cause of "swollen shoot" is a virus.
1761. POSNETTE, A. F. Virus diseases of cacao in Trinidad. [I]-II. Trop. Agr. [Trinidad] 21:105-106; 24:127-136, illus. July 1944/Oct./Dec. 1947. 26 T754
- Pt. II, by R. E. D. Baker and W. T. Dale.
1762. POSNETTE, A. F., and others. Virus diseases of cacao in West Africa. I-IV. Ann. Appl. Biol. 34:388-411; 35:63-68; 44:40-447, illus. 1947-49. 44.2 An72
- II by S. H. Crowdy and A. F. Posnette; A. H. Strickland, joint author of III; D. W. Goodall, sole author of IV.
- Contents: I. Cacao virus 1A, 1B, 1C and 1D; II. Cross immunity experiments with viruses 1A, 1B and 1C; III. Technique of insect transmission; IV. Effect of virus infection on growth and water content of cacao seedlings.
1763. POSNETTE, A. F. Virus que hinchó los retoños de los cacaoales. Rev. de la Rep. Dominicana Repub. [35] 168-170. Sept./Oct. 1944. 8 R323
- History of swollen shoot disease, transmission experiments, description of symptoms and control measures.
1764. POUND, F. J. Cacao and witchbroom disease (*Marasmius pernicius*) of South America, with notes on other species of *Theobroma*. Report... on a visit to Ecuador, the Amazon Valley and Colombia, April 1937-April 1938. 58 p., illus. Port-of-Spain, Printed at Vuille's printerie, 1938. 464.09 T73Ca
1765. POUND, F. J. Cacao and witches' broom disease (*Marasmius pernicius*). Report... on a recent visit to the Amazon territory of Peru, September, 1942-February, 1943. 14 p., illus. Trinidad & Tobago, 1943. 464.09 T37C
- Search for immune or resistant trees, p. 2-14.
1766. POUND, F. J. Ecuador: its agriculture in 1937. Trinidad & Tobago, Agr. Soc. Proc. 37:335-339. Sept. 1937. 8 T73
- Venezuelan cocoa trees found to be resistant to witches' broom.
1767. POUND, F. J. Search for resistance to witchbroom in cocoa. Trinidad & Tobago Agr. Soc. Proc. 40:35, 37. Mar. 1940. 8 T73
- Witchbroom disease of cocoa was discovered in Trinidad in 1928. In 10 years it spread practically over the whole island. Notes on attempts at establishing plantings immune to the disease.
1768. POUND, F. J. Witches' broom resistance in cacao. Trop. Agr. [Trinidad] 17:6-8, illus., maps. Jan. 1940. 26 T754
- The search for immune trees in South American cacao areas.
1769. POWELL, H. R., and CASS SMITH, W. P. The eradication of black spot or apple scab in Western Australia. West. Austral. Dep. Agr. J. 21:148-155, illus. June 1944. 23 W521
- Extent of the outbreak; eradication measures used, value to the industry, and danger of future outbreaks.
1770. PRICE, W. C. Classification of Hawaiian Commelina-mosaic virus. Phytopathology 31:756-758, illus. Aug. 1941. 464.8 P56
- Infection obtained with both strains of the mosaic on several species of Nicotiana, Cucumis sativus and Zinnia elegans, demonstrating its close relationship to other viruses of the cucumber-mosaic virus group.
1771. LES PRINCIPALES maladies du haricot à Maurice. Rev. Agr. de l'île Maurice 21:41-42. Jan./Feb. 1942. 24 M44
- Includes anthracnose, rust, leaf spot, and root rot of bean.
1772. HET PROBLEEM DER rustperiode. Orchidee 6:75-77. Mar. 1937. 80 Or18
- Orchids in Western Java.
1773. PUCCI, A. Una grave alternariosis sobre pimiento y berenjena en la Republica Argentina. DAGI 4(2):1-7. illus. Aug. 1947. 9 R866D
1774. PUERTO RICO. AGRICULTURAL EXPERIMENT STATION, RIO PIEDRAS. Annual report, 1943/44. Rio Piedras, 1946. 100 P83A
- Plant diseases are not reported. Later annual reports have not yet been received.
- Earlier reports deal variously with diseases on cotton, sugarcane, coffee, beans, coconuts, tomatoes, mangos and citrus fruits.
1775. PUERTO RICO. FEDERAL EXPERIMENT STATION, MAYAGUEZ. Report, 1949. Mayaguez, 1949. 27 p. 1 Ex65
- Plant pathological reports not included in the annual reports, 1940-49.
- Plant disease investigations are included in the annual reports, 1937-39.
- J. H. Jensen and A. G. Kevorkian, plant pathologists, report on diseases of sugarcane, vanilla and papaya.
1776. PUERTO RICO TOBACCO INSTITUTE. Annual report, 1942/43. San Juan, 1945. 65 p. 69.9 P96
- Report of the Department of Pathology and Genetics, by H. H. Foster, p. 27-53. Progress report on breeding projects for resistance to mosaic, black shank, and "mottle" virus diseases of tobacco.
- Earlier reports are similar.
1777. PUTTEMAN, A. Alguns dados para servir à história da fitopatologia no Brasil e às primeiras notificações de doenças de vegetais neste país. Rodriguésia (2no. especial):17-36. 1936[1937]. 442.8 R61
- Translation, by A. E. Jenkins and A. D. Marchant in P. R. U. J. Agr. 24(3):77-107, illus. July 1940. 8 P83ZJ
- Includes investigations of the diseases of sugarcane, coffee, and grapes; sketches of plant pathologists; dates of the establishment of institutions for the study of plant diseases; first phytopathological meeting of Brazil, 1936.

1778. PUTTEMANS, A. (Compendo das especies de "ferrugens" verdadeiras (Uredinales) assignadas no Brasil e paizes limítrofes. Rodriguesia 2(no. especial): 97-105. 1936[1937]. 442.8 R61
- A list.
1779. PUTTEMANS, A. Reivindicación visando a denominação científica da doença da batateira. (Phytophthora infestans) (Mont.) de By. Rodriguesia 2(no. especial): 341-350. 1936[1937]. 442.8 R61
1780. PUTTEMANS, A. Relação dos fungos e bacterias econtraídas na batateira (*Solanum tuberosum* L.). Rodriguesia 2(no. especial): 265-302. 1936[1937]. 442.8 R61
- General alphabetical list, p. 267-297; List of the fungi and bacteria common to the potato plant following the systematic order of Clements and Shear, p. 297-302.
1781. PUTTEMANS, A. Some data concerning the history of phytopathology in Brazil and the first notices of diseases of plants in the country. P. R. U. J. Agr. 24:77-107, illus. July 1940. (Dec.1940). 8 P83ZJ
- Translation by Anna E. Jenkins and Annie D'Armond Marchant of his: Alguns dados para servir a historia da phytopathologia no Brasil e as primeiras notificações de doenças de vegetaes neste paiz.
1782. QUANIER, H. M. Iets over de virusziekten van tropische cultuurgewassen. Landbouwk. Tijdschr. [Wageningen] 50:324-338. Apr.1938. 105.2 Or3
- Virus diseases of tobacco, cassava, Soja, Arachis, musa, sugarcane and rice.
1783. QUEENSLAND. BUR. OF SUGAR EXPERIMENT STATIONS. Gummy disease in Mossman. Austral. Sugar J. 37:251,253. Sept.15,1945. 65.8 Au7
- Bacterium vasculorum on sugarcane
1784. QUEENSLAND. BUR. OF SUGAR EXPERIMENT STATIONS. The Queensland cane growers' handbook, by H. W. Kerr and A. F. Bell. [Brisbane], 1939. 199 p., illus. (pt. col.). 65 K462
- Diseases of sugarcane, p. 146-176.
1785. QUIROS CALVO, M., and MORALES, E. Cacao mani o mani (*Arachis hypogaea* L.): algunos consejos y observaciones para que los agricultores prevengan y traten las enfermedades en ese cultivo. Suelo Fico 2: 188-191, illus. Apr.1949. 8 Su2
- Leaf spot disease in Costa Rica, caused by *Cercospora personata*.
1786. QUISUMBING, E. On Christisonia wightii Elmer, a parasite of sugarcane. Philippine J. Agr. 11(4):397-401, illus. 1940. 25 P543
- Description of red rot parasite.
1787. RAFAY, S. A., and PADMANABHAN, S. Y. Strains of *Colletotrichum falcatum* Went. Cur. Sci. 10: 25-26. Jan.1941. 475 Si23
- Causing red rot of sugarcane.
1788. RAFAY, S. A., and PADMANABHAN, S. Y. Sugarcane smut in Bihar. Cur. Sci. 9:496-497, illus. Nov. 1940. 475 Si23
- Ustilago scitamina.
1789. RAGGI, C. A. El azufre y el sulfato de cobre calcinado en la lucha conjunta del odio quíntal y la peronospora. Argentina. Min. de Agr. Nov. 12:139. May 16, 1947. 9 Ar311N
- Grapes.
1790. RAGGI, C. A. Dos enfermedades communes que atacan a nuestros durazneros. Argentina. Min. de Agr. Nov. 12:92. Mar.31,1947. 9 Ar311N
- Peach blight caused by *Corymum carpophilum* and peach leaf curl caused by *Taphrina deformans*.
1791. RAGGI, C. A. Nociones de técnica fitopatológica. Argentina. Dir. de Inform. P. Misc. 271,14p., illus. 1948. 9 P943
- Diagnosis of diseased plant material in a phytopathological laboratory.
1792. RAGGI, C. A. Nota sobre un interesante caso de parasitismo del Botrytis cinerea Pers. sobre Eucalyptus sp. Argentina. Inst. de Sanid. Veg. [P.] Ser. A,3(29): 11 p., illus. 1947. 464.9 Ar323
1793. RAGGI, C. A. La preparación del caldo bordelés en las chacras y su racional aplicación en los cultivos. Ecuador. Segunda Zona. Cím. de Agr. B (3(14):22-24. July/Sept.1949. 9.5 Ec95B
1794. RAGONESE, A. E., and MARCO, P. R. Resistencia al nemátodo del tallo (*Anguillula dipsaci*) de diversas líneas y procedencias de alfalfa. Rev. Argentina de Agron. 10:378-384. Dec.1943. 9 R327
1795. RAJAN, M. R. D., and AIYAPP, K. M. Leaf-fall and fruit-rot disease [Phytophthora palmivora] of oranges. Indian Farming 5:512-513. Nov.1944. 22 In283
- In the province of Coorg, India.
1796. RAMAKRISHNAN, K., and RAMAKRISHNAN, T. S. Banded leaf blight [Helicella filamentosa] of arrowroot, Maranta arundinacea. Indian Phytopath. 1:123-136, illus. 1948. 464.8 In2
1797. RAMAKRISHNAN, T. S., and RAMAKRISHNAN, K. Ergot on bamboo. Cur. Sci. 18:344-345, illus. Sept.1949. 475 Si23
- The causal fungus is a species of *Claviceps*.
1798. RAMAKRISHNAN, T. S. Ergot sclerotia on Sorghum vulgare Pers. Cur. Sci. 17:218. July 1948. 475 Si23
- Caused by the fungus *Sphaelia sorghi* in south India.
1799. RAMAKRISHNAN, T. S., and SOUMINI, C. K. Fruit rot of tomatoes caused by *Phytophthora palmivora* Butl. Indian Acad. Sci. Proc. Sect. B 25:39-42, illus. Feb.1947. 513 In25B
- In Coimbatore, India.
1800. RAMAKRISHNAN, T. S., and SOUMINI, C. K. Hemileia wrightiae Rac. on Wrightia tinctoria R. & Br. and W. tomentosa Roem. & Sch. Cur. Sci. 15:256-257, illus. Sept.1946. 475 Si23
1801. RAMAKRISHNAN, T. S., and NARASIMHALU, I. L. A new host, Ricinus communis, for *Leveillula taurica* (Lév.) Arn. [Oidiopsis taurica (Lév.) Salm.]. Cur. Sci. 10: 211-212, illus. Apr.1941. 475 Si23
- Powdery mildew on castor oil plant, at the Central Agricultural Research Station, Coimbatore, India.
1802. RAMAKRISHNAN, T. S., and SUBRAMANIAM, C. L. On *Catenulopora zizyphi* on *Zizyphus cunila* Mill. Cur. Sci. 15:261-262, illus. Sept.1946. 475 Si23
1803. RAMAKRISHNAN, T. S. Root-rot of sugarcane. Cur. Sci. 10:254-255, illus. May 1941. 475 Si23
- Pythium debaryanum. In vicinity of Agricultural Research Institute, Coimbatore, India.
1804. RAMAKRISHNAN, T. S. Some observations on *Sphaelia* spp. occurring in Coimbatore. Madras Agr. J. 25:119-121, illus. Apr.1937. 22 M262
- Ergot on Sorghum and Panicum ramosum in India.
1805. RAMAKRISHNAN, T. S. Studies in the genus *Colletotrichum*. I-III. Indian Acad. Sci. Proc. Sect. B. 13: 60-70; 14:395-411; 25:15-27, illus. 1941-47. 513 In25B
- I. Saltation in *Colletotrichum* caspici (Syd.). II. Physiological studies on *Colletotrichum falcatum* Went. III. No sub-title.
1806. RAMAKRISHNAN, T. S., and SOUMINI, C. K. Studies on cereal rusts. I. *Puccinia penniseti* Zimm. and its alternate host [*Solanum melongena*]. Indian Phytopath. 1:97-103, illus. 1948. 464.8 In2
- Puccinia penniseti* on *Pennisetum typhoides* [P. glaucum].
1807. RAMAKRISHNAN, T. S. Studies on the parasitism of *Colletotrichum indicum* Dast. Indian J. Agr. Sci. 11:110-118, illus. Feb.1941. 22 Ag831
- On cotton in south India.
1808. RAMAKRISHNAN, T. S. Top-rot ("twisted top" or "pokkah bong") of sugarcane, sorghum andumbu. Cur. Sci. 10:406-408, illus. Sept.1941. 475 Si23
- Diseased portions of sugarcane, sorghum, and pearl millet (*Pennisetum glaucum* [P. glaucum]), on incubation, produced growths of *Fusarium moniliforme*.
1809. RAMAKRISHNAN, T. S., and SOUMINI, C. K. Wilt disease of pyrethrum. Indian Phytopath. 1:27-33, illus. 1948. 464.8 In2
- Phytophthora cambivora*, *Rhizoctonia solani*, and *Fusarium* sp. isolated and found to be pathogenic, in Madras Province, India.
1810. RAMELLA, R. Las enfermedades y plagas más comunes del maíz. Soc. Rur Argentina. An. 82:65-66, 68, 70, 72, 74, illus. (col.). Feb./Mar.1948. 9 So1
1811. RAMIREZ RIVERA, A. Principales plagas y enfermedades de los cultivos de la zona de Igualta, Gro. Chapingo 3:218-221, 248-250, 271, illus. Apr., May 1949. 102 C36
- Diseases of corn, sugarcane, and lemons, in Mexico.
1812. RAMON Y ACOSTA, D. La antracnosis de la vid. Uruguay. Min. de Ganad. y Agr. B. Inform. 2:269. June 28,1945. 9.9 G15B
- Control measures.
1813. RAMON Y ACOSTA, D. El mildiu de la vid es una enfermedad grave y extendida. Uruguay. Min. de Ganad. y Agr. B. Inform. 1:131. Apr.13,1944. 9.9 G15B
1814. RAMOS, M. M. Dry sheath-rot of abaca caused by *Marasmius* and suggestions for its control. Philippine J. Agr. 12(1):31-41, illus. 1941. 25 P543
- Closely resembles *Marasmius semistriatus*. Found on abaca or Manila hemp in the Philippines.

1815. RANGASWAMI, S., and GRIFFITH, A. L. Demonstration of Jassus indicus (Walk) as a vector of the spike disease of sandal (Santalum album, Linn.). Indian Forester 67:387-394, illus. Aug. 1941. 9.8 In2
- Preliminary report on transmission experiments at Jayanti in North Salem District, India.
1816. RANGASWAMI, S., and GRIFFITH, A. L. Host plants and the spike disease of sandal. Indian Forester 65:335-345. June 1939. 9.8 In2
- Results of work done in Madras, India.
1817. RANGASWAMI, S., and GRIFFITH, A. L. A note on the control and eradication of new outbreaks of the spike disease of sandal (Santalum album) Indian For. Rec. n. s., vol. 13, 2:263-290, illus. July 1, 1939. 9.8 In223
1818. RANGEL, E. D. S. Contribuição para o glossário português referente à micologia e à fitopatologia. Seguindo de vocábulos latinos, ou latinizados, e seus correspondentes em português. Rodriguesia 4(12):67-116. Sept./Dec. 1939. 44.2 R61
- Revision of his Ensaio de um glossário português.
1819. RANGEL, J. F., and GOMES, J. G. Guia para reconhecimento e combate das principais doenças e pragas da laranjeira. Brazil. Dept. Nac. da Prod. Veg. Div. de Defesa Sanit. Veg. P. 11, 78 p., illus. (col.). 1938. 464.9 B73
- Diseases, p. 7-20.
1820. RANGEL, J. F. Uma nova mancha das laranjas o mofo verde. Soc. Bras. de Agron. Rev. 1:117, illus. Dec. 1937. 9.2 So13
- Chladosporium, probably C. berbarum.
1821. RANGEL, J. F. A "podridão preta" do abacaxi (Thielaviopsis paradoxa (De Seynes) Von Hohn). Soc. Bras. de Agron. Rev. 1:18-23, illus. Sept. 1937. 9.2 So13
- Black rot of pineapple.
- Also in Rodriguesia 2(Número especial):329-332. 1936 [1937]. 44.2 R61
1822. RANGEL, J. F. Técnicas fitopatológicas. I-IV. Soc. Bras. de Agron. Rev. 3:109-126, 174-195, 329-351, illus. 1940. 9.2 So13
- Contents: I, Do laboratório; II, Da preparação microscópica; III, Cultura e isolamento; IV, Inoculação.
1823. RANGEL, J. F. Toxicologia dos desinfestantes das sementes. Brazil. Esc. Nac. de Agron. B. 2:185-223, illus. 1941[1942]. 102.5 R473
- English summary.
1824. RANJAN, S., and JHA, V. R. The effect of ethylene and sulphur dioxide on the fruits of Mangifera indica. Indian Acad. Sci. Proc. 11(B):267-288, illus. June 1940. 513 In25B
- Physiology of black tip disease studied in relation to ethylene and sulphur dioxide.
1825. RAO, M. K. S. Blister blight [Exobasidium vexans] of tea in south India. Planters' Chron. 41:462-463. Dec. 1, 1946. 22 P693
1826. RAPOSO, H. A galha da azalea, Rhododendron indicum Sweet, provocada pelo fungo Exobasidium discoideum Ellis. Soc. Bras. de Agron. B. 6:61-70, illus. Mar. 1943. 9.2 So13
1827. RAYNER, R. W. Latent infection in Coffea arabica L. Nature [London] 161:245-246. Feb. 14, 1948. 472 N21
- Colletotrichum coffeanum most frequently isolated from cultures.
1828. RAYNER, R. W. Some abnormalities of the coffee bean. Kenya Colony. Coffee Bd. Mon. B. 7:32-33, 36. Mar. 1942. 68.29 C652
- Considerable discussion of black bean disease, a physiological disease of coffee.
1829. LA RECUPERACION de los citrus en Rivera sobre la base de plantas resistentes. Uruguay. Min. de Ganad. y Agr. B. Inform. 6(257):11. Feb. 10, 1949. 9.9 G15B
- Use of trifoliolate orange in Uruguay as a rootstock resistant to tristeza.
1830. REGO, C. DO V., GOMES, J. G., and ALVIM, G. B. Doenças e pragas das plantas de café. Rio de Janeiro, Brazil. Ministério da Agricultura, Serviço de Documentação, 1945. 230 p., illus. (pt. col.). 464.04 V24 In Brazil.
1831. REGO, C. DO V. Indicações sobre o combate químico as doenças e pragas da lavoura. Brazil. Dept. Nac. da Prod. Veg. Div. de Defesa Sanit. Veg. P. 18, 144 p., illus. (col.). 1943. 464.9 B73
- Plant disease control; fungicides.
1832. REINAT, A. M. Como combater a melanosis en las plantaciones de frutas cítricas. Rev. de Agr. de P. R. 31:227-229, illus. June 1939. 8 R325
- Due to Phomopsis citri.
1833. REININGER, C. H. Mancha anelar das folhas de "grape-fruit" Citrus sp. Soc. Bras. de Agron. B. 4:247-248, illus. June 1941. 9.2 So13
- Chlorosis.
1834. REINKING, O. A. Abacá disease studies: Davao, Philippine Islands. Plant Dis. Rptr. 33:456-462. Dec. 15, 1949. 1.9 P69P
1835. REINKING, O. A. Diseases of roselle fiber plants in El Salvador. Plant Dis. Rptr. 29:411-414. May 7, 1945. 1.9 P69P
1836. REINKING, O. A. Isolations made from heart rot of banana in Honduras. Phytopathology 27:853-854. Aug. 1937. 464.8 P56
- Fusarium moniliforme var. subglutinans.
1837. REINKING, O. A. Preliminary studies of abacá diseases in Panama. Plant Dis. Rptr. 29:390-393. May 1, 1945. 1.9 P69P
1838. REINKING, O. A. Report on cinchona diseases in Guatemala. Plant Dis. Rptr. 29:432-439. May 15, 1945. 1.9 P69P
1839. REITSMA, J., and EMDEN, J. H. VAN. De bladpokkenziekte van de thee. Bergcultures 18:218-221, 223, 225, 227, 231, illus. June 16, 1949. 22.5 B45
- For part 2 see Emden, J. H. van.
- In Sumatra.
- Disease produced by Exobasidium vexans.
1840. REITSMA, J., and SLOOFF, W. C. A disease of eggplant fruits caused by Phytophthora parasitica Dastur and P. palmivora Butler. Chron. Nat. 103:60-63, illus. May 1947. 514 B31
- Observed in 1943, in the Experimental Garden for vegetables at Moera near Buitenzorg, Java. Description of the fungi.
1841. REITSMA, J., and KARTHAUS, J. P. Onderzoek naar de resistentie van verschillende maisvarieteiten tegen omo lijer of bulai (Sclerospora maydis Palm). Investigations upon the resistance of various maize varieties (Zea mays L.) against "omo lijer" or "bulai" (Sclerospora maydis Palm). Netherlands Ind. Ag. Proefsta. v. Landb. Meded. 89, 20 p. 1949. 109.5 Ea73
- English summary.
- Also in Landbouwh 21:427-444. Sept. 1949. 22.5 L23
- In Java.
1842. REUNION ARGENTINA DE AGRONOMIA, 1ST. APRIL 1941. Resoluciones y resúmenes de los trabajos presentados. Rev. Argentina de Agron. 8, sup. 150 p. 1941. 9 R327
- Fitopatología, p. 81-89.
1843. REVILLA, V. A. Razas fisiológicas de la roya negra del trigo (Puccinia graminis tritici) encontradas en el Perú. Lima, Peru, Estac. Expt. Agr. de La Molina. B. 26, 16 p., illus. (col.). June 1945. 102.5 L622B
- English summary.
1844. REYES, G. M. Disease-resistant rice hybrids produce superior yields in commercial trials. Philippine J. Agr. 8:417-423, illus. 1937. 25 P543
- Results of an experiment to isolate hybrid strains of rice resistant to the rice stem rot (Sclerotium oryzae).
1845. REYES, G. M. Notes on diseases affecting maize in the Philippines. Philippine J. Agr. 12(1):61-71, illus. 1941. 25 P543
- Downy mildew, brown spot, pokkah bong, dry ear rot, anthracnose and banded sclerotical disease.
1846. REYES, G. M. Occurrence of the stalk rot [Pythium sp.] of corn in the Philippines. Philippine J. Agr. 14:123-127. Second Q. 1949. 25 P543
1847. REYES, G. M. "Palay lakake", a fungus. Agr.-Indus. Mon. 6:224, 26, illus. Nov. 1938. 25 Ag82
- Also known as "lawis", a disease of rice caused by a species of Fusarium; found mainly in Central Luzon provinces, Philippine Islands.
- Also issued as Philippine Isl. Bur. Plant Indus. Farmer's C. 47, 3 p. 1938. 25 P54Fc
1848. REYES, G. M. Rice diseases and methods of control. Philippine J. Agr. 10:419-436, illus. 1949. 25 P543
- Also printed as Philippine Isl. Bur. Plant Indus. Farmers' C. 50:419-436. 1939. 25 P54Fc
- Diseases of major importance: Sclerotium and helminthosporium diseases, blight, "palay lakake", stem and sheath rot, Rhizoctonia blight, black smut, and straight-head.
1849. REYES, G. M. Rice hybrids versus stem rot disease. Philippine J. Agr. 7:413-417, illus. 1936(1937). 25 P543
- Disease attributed to the fungus Sclerotium oryzae.

1850. REYES, G. M. Sclerotium wilt of peanut, with special reference to varietal resistance. *Philippine J. Agr.* 8:245-287, illus. 1937. 25 P543

Results of a technical study "to isolate a pure line variety or strain of peanut, *Drachis hypogaea* Linn., highly resistant, if not immune, to the wilt disease caused by *Sclerotium rolfsii*."

1851. REYES, G. M., and ROMASANTA, R. Varietal susceptibility of peanuts to black spot (*Cercospora personata* (B. & C.) Ell. & Ev.) *Philippine J. Agr.* 11(4):371-381, illus. 1940. 25 P543

One of the most important fungus diseases in the Philippines.

1852. RHODESIA, SOUTHERN. DEPT. OF AGRICULTURE AND LANDS. Report of the Secretary for the year ended 31st December, 1948. Salisbury, 1949. 14 p. 24 R344

Botany and plant pathology, p. 12. Brief notes on diseases of peach and tobacco.

Earlier reports by G. Wickens and J. C. Hopkins, plant pathologists note briefly diseases on potatoes, maize, sugarcane, tomatoes, wheat, grapes, and mangoes.

1853. RICK, J. O genero Polystictus no Rio Grande do Sul. *Reunión Sul-Amer. de Bot.* (1938)1(2):251-270. 1940. 451 R31

Description of this genus of fungi in Brazil.

1854. RICK, J. Poliporos riograndenses. *Reunión Sul-Amer. de Bot.* (1938)1(2):271-307. 1940. 451 R31

1855. RICK, J. Recensentur fungi resupinati rari et novi Americae Meridionalis. *Lilloa (U. Tucumán)* 9:215-219. 1943. 450 L62

Many new species and two new genera, *Anthoseptobasidium* and *Cystidioidendron*.

1856. RIOLLANO, A., ADSUAR, J., and RODRIGUEZ, A. Breeding peppers resistant to a Puerto Rican type of mosaic. *Amer. Soc. Hort. Sci. Proc.* 51:415-416. June 1948. 81 S012

Results of work conducted at the Agricultural Experiment Station, Rio Piedras, P. R.

Also in *Rev. de Agr. de P. R.* 39:108-109. Jan./June 1948. 8 R325

1857. RIOLLANO, A., ADSUAR, J., and RODRIGUEZ, A. Estación experimental agrícola desarrolla variedad de pimientos resistentes al mosaico. *Puerto Rico Agr. Col. Ext. Carta Mens.* 5(9):3. Dec. 1948. 275.29 P96Ca

Also in *Rev. del Café* 4(5):10. Oct. 1948. 8 R325

1858. ROBA, R. P. Consulta sobre la enfermedad del café llamada "pellejillo". *Rev. Agr. [Managua]* 4(11):23-25, illus. 1940. 8 R329

Pellicularia kolegora, the cause of thread blight of coffee.

1859. ROBA, R. P. Notas sobre la "macana" o llaga de la parte superior del tronco del café. *Rev. Agr. [Managua]* 4(11):26-28, illus. 1940. 8 R329

Rostrella coffeae, the fungus causing the disease, is found on the trees in the mountainous Districts of Managua, Nicaragua.

1860. ROBA, R. P. Resumen de las enfermedades y plagas encontradas sobre el café en la Republica de Nicaragua. *Rev. Agr. [Managua]* 4(11):14-15. Nov. 1939/Jan. 1940. 8 R329

1861. ROBBS, C. F. Contribuição ao estudo das bacterias que atacam plantas no Brasil. I-III. *Soc. Bras. de Agron. B.* 9:196-213, illus. Sept. 1948. 9.2 S013

Contents: I. Contribuição ao estudo da "podridão negra" das Crucíferas no Distrito Federal; II. Considerações sobre insetos possivelmente transmissores do doenças bacterianas em plantas do Brasil; III. Lista preliminar das bacterias fitopatogênicas observadas no Brasil.

1862. ROBBS, C. F. Contribuição ao estudo de uma bacteriose em *Stapelia variegata* L. *Soc. Bras. de Agron. B.* 7:407-414, illus. Dec. 1944. 9.2 S013

English summary.

Bacterial soft rot of carnationflower due to a probable strain of *Erwinia ardioidea*.

1863. ROBLES, G., L. H. Plagas y enfermedades del cocotero de mayor importancia en la costa del Estado de Yucatán. *Mex. Dept. Fitosan. Fitofilo* 3(2):3-25, illus. Mar./Apr. 1944. 421 F55

[Diseases] p. 21-25

1864. RODRIGUES, J. A., and COSTA, A. S. "Tristeza" ---flagelo de la citricultura brasileira. *Hacienda* 41(5):46-47, 58, illus. May 1946. 6 H11

1865. RODRIGUEZ LANDAETA, A. La antracnosis de las caraotas. *Agr. Venezol.* 11(15):35-36, illus. June/July 1946. 9.95 Ag8

Colletotrichum lindemuthianum.

1866. RODRIGUES LANDAETA, A. Consideraciones sobre la marchitez [Fusarium vasinfectum] del algodón negro. *Agr. Venezol.* 12(127):31-34, illus. Nov. 1947. 9.95 Ag8

1867. RODRIGUEZ LANDAETA, A. Manchas grasiensas en las hojas de citrus. *Agr. Venezolana* 12(129):11. Jan./Feb. 1948. 9.95 Ag8

Melanose on grape fruit.

1868. RODRIGUEZ LANDAETA, A. "Sarna comun" o verrugosis de los citrus. *Agr. Venezol.* 13(133):9-13, illus. Jan./Mar. 1949. 9.95 Ag8

Due to the fungus *Elsinoë fawcettii*.

1869. RODRIGUEZ LANDAETA, A. Septoriosis de los citrus. *Venezuela. Dir. de Agr. C.* 14, 3 p., illus. Oct. 1947. 9.95 EL2

Caused by *Septoria citri* in Venezuela.

1870. RODRIGUEZ LZ., L. La alternariosis de la patata. *Ecuador U. Cent. Inst. Bot. B.* 1(1):85-124, illus. Jan. 1942. 451 Ec9

Alternaria solani, cause of early blight of potato in the provinces of Pichincha, Cotacachi and Tungurahua of Ecuador.

1871. RODRIGUEZ LZ., L. La "anguluniu" de las papas. *Ecuador U. Cent. Inst. Bot. B.* 1(1):160-168, illus. Jan. 1942. 451 Ec9

Caconema radicola (Greeff) Cobb, *Heterodera radicola* (Greeff) Müller; nematodes causing rootknot or root gall in the Sierra provinces of Ecuador.

1872. RODRIGUEZ LZ., L. La antracnosis del frejol. *Ecuador. Min. de Agr. B.* 20, 16 p., illus. Dec. 1942. 9.5 Ag8B

Caused by *Colletotrichum lindemuthianum*.

1873. RODRIGUEZ LZ., L. Enfermedades parasitarias. Parasitos de plantas cultivadas o utiles. [Manabí] Consorcio de Cent. Agr. B. 3(27/28):9-15; 4(28) i.e. 3(29); 29-33; 4(29):40-42; 4(30):29-31; 4(31):49-51. 1941-42. 9.5 M31

Plant diseases of Ecuador.

1874. RODRIGUEZ LZ., L. La sarna polvorienta de la papa. *Ecuador. Min. de Agr. B.* 27, 11 p., illus. Oct. 1943. 9.5 Ag8B

Causal organism *Spongospora subterranea*.

Also in Ecuador, Cdm. Primera Zona de Agr. Rev. 6:723-728, illus. July/Aug. 1943. 9.5 Ec96

1875. RODRIGUEZ V., J. Las enfermedades de las plantas. *Tierra [Mex.]* 2:721-723, 758-759, illus. Dec. 1947. 8 T445

Includes diseases of wheat, corn, and cotton.

1876. RODRIGUEZ V., J. La herrumbre o chahuixtle del trigo. *Mex. Dept. Fitosan. Fitofilo* 2(4):1-34, illus. July/Aug. 1943. 421 F55

Puccinia graminis tritici.

1877. ROGER, L., and MALLAMAIRE, A. Notes de phytopathologie Africaine. *Ann. Agr. de l'Afrique Occident.* 1:187-206, illus. Apr. 1937. 24 An7

Plant material collected in Guinea, Côte d'Ivoire, Dahomey and Cameroun.

1878. ROGER, L. La rouille du caféier au Cameroun (Hemileia Coffeicola Maublanc et Roger). *Ann. Agr. de l'Afrique Occident.* 1:92-98, illus. Jan. 1937. 24 An7

Leaf diseases of coffee, Cameroon, Africa.

1879. ROGER, L. Sur deux maladies des bananiers à la Guadeloupe. *Agron. Colon.* 27:161-176, illus. June 1936. 26 Ag812

Cercospora rosae, *Bacterium solanacearum*.

1880. ROJAS PENA, E. DE. La gomosis [Phytophthora parasitica] de los frutales cítricos. *Rev. Agr. y Ganad* 8(89):6-8, illus. Dec. 1944. 9.4 R327

Citrus disease in Colombia.

1881. ROLDAN, E. F., and QUERIJERO, A. F. Black spot of peanut. *Philippine Agr.* 27:669-682, illus. Jan. 1939. 26 P542

Caused by *Cercospora personata*. "The most prevalent and destructive disease of peanut in the Philippines."

1882. ROLDAN, E. F. New or noteworthy lower fungi of the Philippine Islands. II. *Philippine J. Sci.* 66:7-13, illus. May 1938. 475 P53

I is in *Philippine J. Sci.* 60:119-123, illus. June 1936.

Cercospora fuligena, *Cylindrosporium insularum*, *Macrosporium centaureae*, *Acreothecium rubiginosum*, *Piricularia cannae*, *Ciccnobolus sigacollus* n. spp.

1883. ROLDAN, E. F. Nursery wilt of mahogany seedlings. *Philippine J. Forestry* 4(3):267-277, illus. 1941. 99.8 P53

Sclerotium delphinii on *Swietenia macrophylla* in Makiling National Park, Philippines.

1884. ROMBOUTS, J. Algumas palavras sobre uma molestia cryptogamica prejudicial aos tomateiros, na Bahia, causada por "Septoria lycopersici" Speg. *Rodriguezia* 2(8):45-49, illus. Mar./June 1937. 442.8 R61.
- Leaf spot of tomato in Brazil.
1885. ROMBOUTS, J. E. Molestias cryptogamicas do cacaueteiro. Resumo da literatura mundial e observações na zona cacaueteira da Baía. *Brazil. Min. da Agr. B.* 26: 33-57. Oct./Dec. 1937. 9.2 Ag83
1886. ROMERO BRAMBILA, A. El empleo de las sales de cobre en el combate de las enfermedades fungosas de las plantas. *Mex. Dept. Fitosan. Fitófito* 2:12-19. Jan./Feb. 1943. 421 F55
1887. ROQUE, A. and ADSUAR, J. Studies on the mosaic of peppers (*Capsicum frutescens*) in Puerto Rico. P. R. U. J. Agr. 25:40-50, illus. Oct. 1941. (Feb. 1942). 8 P832J
- Results of experiments conducted at the Agriculture Experiment Station at Rio Piedras, P. R. during the years 1939-41.
1888. ROSA-MATO, F. Estudios micrograficos sobre esporas de hongos. *Reunión Sul-Am. de Bot.* (1938) 1(2):315-324, illus. 1940. 451 R-1
1889. ROSENBERG M., G. La "tristeza" de los naranjos. *Simiente* 16:110-119. July/Sept. 1946. 9.3 Si4
- Situation in Chile.
1890. ROSSETTI, V. Podridão preta das orquídeas. *Biológico* 9:201-205, illus. Aug. 1943. 442.8 B529
- Caused by an unidentified Phycomycete.
1891. ROSSETTI, V. Porta-exteriores de Citrus resistentes à "gomose" de Phytophthora e à "tristeza." *Biológico* 13:89-90. May 1947. 442.8 B529
1892. ROSSETTI, V. O teste do lodo na identificação da "tristeza" dos Citrus. *Biológico* 11:13-21. Jan. 1945. 442.8 B529
1893. ROSTAND, J. Qué es el mosaico. *Agricultura [Brasil]* 9:187-190. Apr. 1937. 9.4 I22
1894. ROUMAIN, P. La mort de nos cocotiers et le problème de la quarantaine. *Rev. Agr. d'Haiti* 1:75-82. Dec. 1945. 8 R3241
- In Haiti.
1895. ROUMAIN, P., and PIERRE-LOUIS, F. Le problème de la pourriture du bourgeon terminal ou "bud rot" du cocotier en Haiti. *Rev. Agr. d'Haiti* 1, p. 10-16. 1945. 8 R3241
- Phytophthora palmivora.
1896. ROY, T. C. A root-rot disease of mulberry plants (*Morus alba* L.) *Indian Bot. Soc. J.* 22:27-35, illus. Jan. 1943. 450 R21
- Caused by *Diplodia morina*.
1897. RUBBER RESEARCH BOARD, CEYLON. Report, 1948. Colombo, 1949. 46 p. 78.9 C33R
- Mycological department, by C. A. de Silva, p. 5-6.
- General discussion of Oidium and Phytophthora leaf diseases of rubber; root diseases and brown bast of rubber.
- Earlier reports by C. G. Hansford, R. K. S. Murray, C. C. T. Sharp, and C. E. Ford, mycologists, are similar.
1898. RUBBER RESEARCH INSTITUTE OF MALAYA. Annual report, 1940. Kuala Lumpur, 1947. 181 p. 78.9 R24A
- Pathological division, by F. Beoley, p. 89-115. Discussion of diseases of rubber, mould-rot, black stripe and patch canker, brown bast, pink disease, leaf mildew, and minor leaf diseases.
- Earlier reports by F. Beoley and R. P. N. Napper, plant pathologists, are similar.
1899. RUBBER RESEARCH SCHEME, CEYLON. Oidium leaf disease [of Hevea]. Rubber Res. Scheme, Ceylon. Adv. C. 22, sup. 2, 1 p. 1944. 78.9 R826
- Replanting in mid-country districts.
1900. RUBBER RESEARCH SCHEME, CEYLON. The treatment of brown bast. Rubber Res. Scheme, Ceylon. Adv. C. 24, 4 p. 1944. 78.9 R826
- "It is now generally accepted that brown bast is a physiological disease caused by over-extraction of latex."
1901. RUDIN, W. Topsterftebestrijding in de praktijk. *Bergcultuur* 11:289-291, 347-349. 1937. 22.5 B45
- Control of dieback of coffee.
1902. RUEST, C. Algo sobre plagas y enfermedades del café. *Rev. Agr. [Guatemala]* 15:330-335, illus. Dec. 1938. 8 G934
- American leaf disease of coffee caused by *Omphalia flavidia*.
1903. RUEST, C. Enfermedades del café. *Rancho Mex. 2(5):18-20*, illus. 1 Jan. 1946. 8 I5R
- A disease caused by the fungus *Stephanoderes hampei* and a leaf spot caused by *Omphalia flavidia*.
1904. RUIZ LEAL, A. Algunos hongos mendocinos. B. Agr. [Mendoza, Argentina] 6(9/10):3-16, illus. Sept./Oct. 1938. 9 M52B
1905. SACCÁ, R. A. Contribuição para o estudo das doenças cryptogamicas das plantas citricas. *Rev. de Agr. [Piracicaba]* 13:107-126, illus. (col.) Mar./Apr. 1938. 9.2 R324
1906. SACCÁ, R. A. Contribuição para o estudo das doenças das plantas citricas, *Phytophthora parasitica* Dast. São Paulo. Sec. da Agr., Indus. e Com. B. de Agr. (ser. 44) 1943:149-162. 1945. 9.2 Sa63
- Gummosis disease.
1907. SACCÁ, R. A. Contribuição para o estudo das doenças nas plantas citricas. Solo 30:30-41, illus. Dec. 1938. 9.2 So4
- From the Centro Academico "Luiz de Queiroz" dos Academicos de Agronomia da Universidade de São Paulo, Brazil.
1908. SACCÁ, R. A. Contribuição para o estudo das molestias cryptogamicas das laranjeiras. I-II. Solo 28: 58-60; 31:51-58, illus. 1936-39. 9.2 So4
- I, *Nectria cancri* (Butgers) f. *aurantii*, Avern. II, *Pleospora hesperia* Berk., *Oospora citri-aurantii*.
- Storage and transportation rots.
1909. SACCÁ, R. A. *Nectria cancri* (Butg.) f. *aurantii*, Avena. *Rev. de Agr. [Piracicaba]* 16:150-160. illus. Mar./Apr. 1941. 9.2 R324
- A fungus parasite on orange trees.
1910. SACCÁ, R. A. *Phomopsis*, sp. colecionado sobre plantas citricas em Piracicaba e Guarujá. *Rev. de Agr. [Piracicaba]* 16:455-460, illus. Sept./Oct. 1941. 9.2 R324
- Report of a *Phomopsis* found on Citrus spp. in Brazil.
1911. SACCÁ, R. A. Pustulas pretas sobre laranjas doces produzidas pelo *Phoma citricarpa*. *Rev. de Agr. [Piracicaba]* 15:468-474, illus. (col.) Nov./Dec. 1940. 9.2 R324
1912. SACCÁ, R. A. Sobre a forma ascofora (*Glomerella* sp.) que encontra-se em algumas folhas de laranjeira doce no Guarujá. *Rev. de Agr. [Piracicaba]* 15:463-467. illus. (col.) Nov./Dec. 1940. 9.2 R324
- Anthraxose of orange.
1913. SAHA, J. C. Diseases of rice and methods for their control. *Sci. & Cult.* 11:13-20, 69-74. July, Aug. 1945. 47 5 Sc124
- In India.
1914. SAHA, J. C. Hot-water treatment of paddy seeds against seed-borne infection of Helminthosporium. *Sci. & Cult.* 11:502-503. Mar. 1946. 475 Sc124
- In India.
1915. SAHA, J. C. Studies in rots of Indian fruits. I. *Indian J. Agr. Sci.* 15:332-338. Dec. 1945. 22 Ag831
- I. Occurrence of latent and superficial infections. Experiments with guava, jujube, and litchi.
1916. ST. AUGUSTINE, TRINIDAD. IMPERIAL COLLEGE OF TROPICAL AGRICULTURE. Report of the governing body and the principal's report for 1948. St. Augustine, 1949. 55 p. 102 Sa2P
- Department of mycology and bacteriology, p. 45-47. Contains a brief note on a cacao virus disease.
- Earlier reports by R. E. D. Baker, mycologist, deal with diseases of cacao, principally with witches broom disease of cacao.
1917. ST. LUCIA. DEPT. OF AGRICULTURE. Report, 1945. Castries, St. Lucia, 1946. 10 p. 102 W527
- Brief mention of wither tip of lime.
- Previous reports include Panama disease of banana. Later reports not yet received.
1918. SAIYANANDA, C., and CELINO, M. S. Leaf blight of tomato. *Philippine Agr.* 29:365-377, illus. Sept. 1940. 25 P42
- Provisionally identified with *Helminthosporium lycopersici*.
1919. SAKIMURA, K. Evidence for the identity of the yellow-spot virus with the spotted-wilt virus: experiments with the vector, *Thrips tabaci*. *Phytopathology* 30: 281-299, illus. Apr. 1940. 464.8 P56
- Technical University Paper No. 129 of the Pineapple Experiment Station, Hawaii. Experiments on yellow spot disease of pineapple.
1920. SAKIMURA, K. *Thysanoptera* of Kauai with notes on the incidence of yellow spot on wild host plants. *Hawaii Ent. Soc. Proc.* 10:167-173, illus. July 1938. 420 H312
- Species of *Emilia* hosts for virus of pineapple yellow spot in Hawaii.
1921. SAKSANA, R. K. Growth of *Pythium hyphalostictum* Sideris in synthetic nutrient liquid media. *Cur. Sci.* 8:81-82. Feb. 1939. 475 Sc123

1922. SALGADO, M. L. M. Note on physiological stem bleeding of mature coconut palms. *Trop. Agr. [Ceylon]* 98 (2):31-35. Apr./June 1942. 26 7751
1923. SANCHEZ ANDREU. Desinfección de bulbos de Gladiolos. *Pampa Argentina* 23(262):3., illus. Aug.1949. 9 P19
- In Argentina.
1924. SANCHEZ ANDREU. Torque o enrollamiento del duraznero. *Pampa Argentina* 23(263):12. Sept.1949. 9 P19
- Caused by *Taphrina deformans*.
1925. SANTIS, L. DE. Enfermedades de los álamos en el Delta del Paraná. *Agrícola* 34:489-491. July 1937. 9 Ag89
- Roya del alamo común (*Melampsora larici-populina* La "mancha" del alamo in Argentina).
1926. SANTOS, P. R. Leaf spot of derris. *Philippine Agr.* 29:641-659, illus. Jan.1941. 25 P542
- Phyllosticta deridris.
1927. SARAN, A. M. Some observations on an obscure disease of paddy: *Oryza sativa*. *Cur. Sci.* 18:378-379. Oct.1949. 475 Sci23
1928. SARASOLA, A. A. Dos enfermedades semejantes causadas por *Botrytis cinerea* y *Ovularia viciae* en las alverjillas forrajeras. *Dagi* 3(3):16 p., illus. Dec.1946. 9 B866D
- Leaf and stem blight.
1929. SARASOLA, A. A. Dos septoriosis de las alamedas argentinas. *Rev. Argentina de Agron.* 11:20-43, illus. Mar.1944. 9 B327
- Septoria muscivora, and S. populi.
1930. SARASOLA, A. A. Enfermedades del girasol. Buenos Aires (Prov.) *Dir. de Agr., Ganad. e Indus. An. Rur.* 10:111-122, illus. 1942. 9 B866A
- Includes diseases caused by *Sclerotinia sclerotiorum*, *Albugo tragopogonis*, and *Erysiphe cichoracearum*.
- Also in Suelo Argentino 2:643-645,667, illus. Aug.1943. 9 Su2
1931. SARASOLA, A. A. El odio o mal blanco que ataca a los zapallos y melones. Buenos Aires (Prov.) *Dir. de Agr., Ganad. e Indus. An. Rur.* 11:105-106,108-109. 1943. 9 B866A
1932. SARASOLA, J. A. Una grave amenaza en los avenales. *IDIA; Inform. de Invest. Agr.* 2(17):13. May 1949. 9 Id3
- Helminthosporium victoriae*.
1933. SARASOLA, J. A., FAVRET, E. A., and VALLEGA, J. Reacción de algunas cebadas con respecto a "Erysiphe graminis hordei" in Argentina. *Rev. Argentina de Agron.* 13:256-276. Dec.1946. 9 R327
- English summary.
- A study of the physiologic specialization of *Erysiphe graminis* in order to simplify the selection of resistant varieties.
1933. SARASOLA, J. A., and CAMPI, M. D. Reacción de algunas cebadas con respecto a "Rhynchosporium secalis" in Argentina. *Argentina. Dir. Gen. de Labs. e Invest. Rev. de Invest. Agr.* 1:243-260, illus. Oct.1947. 9 R329
- Artificial inoculation of barley varieties with *Rhynchosporium secalis* to produce resistance to leaf scald disease.
1935. SARAVI CISNEROS, R. El tizón de la frutilla en la República Argentina. *Dagi* 3(4):16. 1946. 9 B866D
- Dendrophoma obscurans*.
1936. SARAVIA I., G. Algunos aspectos de sanidad vegetal en Brasil. *Simiento* 16(1):47-50, illus. First Q. 1946. 9.3 Si4
- Study of insect control and tristeza disease in citrus.
1937. SARAVIA I., G. La antracnosis de la vid. *Vitic. Chilena* 4:20-21. Jan.1948. 390.3 V63
1938. SARAVIA I., G. Oidio de la vid (*Uncinula necator*). *Agrario* 8(342):10. July 15,1944. 9.3 Ag85
- In Chile.
1939. SAUER, H. F. G. A cigarrinha *Agallia albida* Uhl. (Hom., Cicadell.) vectora de una doença de vírus do tomateiro. *Biológico* 12:176-178, illus. June 1946. 442.8 B529
1940. SCARAMUZZA, L. C. Enemigos de la caña de azúcar en Cuba. *Rev. de Agr. [Cuba]* 27(28):28-32. Oct./Dec.1944. 8 Ag86Re
- Includes diseases.
1941. SCARAMUZZA, L. C. Las enfermedades de la caña de azúcar en el Brasil. *Asoc. de Téc. Azucareros de Cuba. B. Ofic.* 8:9-10. Mar.1949. 65.9 As5B
- Leaf scald and smut.
1942. SCARSETH, G. D. La enfermedad de Panamá en el cultivo del banano y maneras de luchar contra ellas. *Rev. de Agr., Com. e Indus. [Panama]* 8:35-37. Feb.1949. 8 R329
1943. SCARSETH, G. D. Growing bananas on acid soil. *Agr. in the Americas* 4:188-189,194-195, illus. Oct.1944. 1 F752A
- Report of experiments to control Panama disease.
1944. SCHIEL, E. Enfermedades de las plantas cultivadas en la provincia de Santa Fé. I-II. Santa Fé Inst. Expt. de Invest. y Fomento Agr.-Ganad. F. Téc. 13, 21. 1939-40. 102.5 Sa52
- Plant diseases in Argentina.
1945. SCHIEL, E. La lucha contra *Shpacheloma australis*, parásito del mandarino en la provincia de Santa Fé. *Rev. Argentina de Agron.* 9:19-27. Mar.1942. 9 R327
- Use of two Bordeaux sprays as a factor in the control of orange scab, *Shpacheloma australis*.
1946. SCHÖNNEVELDT, J. C. VAN. Beknopt overzicht van de meerjarige culteures in het rayon Buitenzorg over 1938. *Bergcultures* 13:606-608. May 13,1939. 22.5 B45
- Includes diseases of tea and rubber in Java.
1947. SCHOUTEN, G. B. Fitoparastida da "Eugenia jambos L." *Rev. de Agr. [Piracicaba]* 15:403-409, illus. Sept./Oct.1940. 9.2 R339
- A discussion of rust (*Puccinia psidii*) on the Malabar plum in Brazil.
1948. SCHREVEN, D. A. VON. Bestrijding van mozaiekziekte bij tabak met loofstouhoude oplossingen. *Landbouw* 17:222-230, illus. 1941. 22.5 L23
- English summary.
1949. SCHULTZ, E. F. Algunas observaciones sobre la podredumbre de las raicillas del naranjo agrio injertado. Tucumán. *Estac. Expt. Agr.* B. 54, 22 p., illus. Tucumán, 1945. 102.5 T79B
- Tristeza disease of grafted sour orange in north-western Argentina.
1950. SCHWEIZER, J. Over een physiologische theorie van de bruine binnenbast-ziekte bij Hevea brasiliensis. *Bergcultures* 12:31-39. 1938. 22.5 B45
1951. SELMA FERNANDEZ, L. Tizón tardío en la papa. *Agrotecnia* 3(6):22-24, illus. Dec. 1949? 9 Ag825
1952. SETH, L. N. Studies on the false-smut disease of paddy caused by *Ustilaginoides vires* (Cke.) Tak. *Indian J. Agr. Sci.* 15:53-55. Feb.1945. 22 Ag381
1953. SHAW, E. B. Banana migration and Sigatoka. *J. Geog.* 40:350-354. Dec.1941. 27.8 J82
- The gradual shifting of plantings from the Atlantic to Pacific Coast of Central America. Diseases, such as banana leaf spot, are not so apt to develop in the drier climate.
1954. SHAW, E. B. Recent changes in the banana production of middle America. *Assoc. Amer. Geog. Ann.* 32: 371-383, illus. Dec.1942. 500 As73
- Includes description of Sigatoka disease (leaf spot) caused by *Cercospora musae* and methods of combating it.
1955. SHEPHERD, E. F. S. Cocoyam root rot in the Gold Coast. *West African Agr. Conf. Proc.* (1938)3(1): 83-86. 1938. 27 W52
- A physiological disease of yautia (*Xanthosoma sagittae-folium*).
1956. SHEPHERD, E. F. S. The gumming disease of the sugarcane. *Mauritius Dept. Agr. Sci. Ser. B.* 25, 9 p. 1937. 24 M443Bsc
- Caused by *Bacterium vasculorum*.
1957. SHEPHERD, E. F. S. A revised list of plant diseases occurring in Mauritius. *Mauritius. Dept. Agr. Sci. Ser. B.* 23, 14 p. 1937. 24 M443Bsc
1958. SHEPHERD, E. F. S. Tobacco leaf curl. *West African Agr. Conf. Proc.* 3(1):87-89. 1938. 27 W52
- Conference held on the Gold Coast; disease transmitted by a white fly (*Bemisia* sp.) "apparently not transmissible in seed."
1959. SIERRA LEONE. DEPT. OF AGRICULTURE. Annual report, 1948. *Freetown*. 1949. 51 p. 24 Si2
- Plant pathology, p. 25. Brief notes of new fungus or host records, and collections of fungi.
- Earlier reports are brief accounts of work being done on diseases of rice, tomatoes, beans, citrus, pineapple, tobacco, and potatoes.
- No reports on plant pathology in the 1940, 1941, 1942, and 1945 annual reports.
1960. SILBERSCHMIDT, K. Acumulacao e mobilizacao do amido em folhas de laranja atacada pela "tristeza". *Rev. de Agr. [Piracicaba]* 23:295-322, illus. Sept./Oct. 1948. 9.2 R324
- English summary.

1961. SILBERSCHMIDT, K., and LOPES TORRES, H. Algumas observações sobre o mecanismo da acumulação do "necrotica virus 1" (Mayer) Allard" em folhas de fumo. Inst. Biol. [São Paulo] Arg. 15:97-140, illus. Oct.1940. 442.9 Sao
English summary.
1962. SILBERSCHMIDT, K., and KRAMER, M. Brazilian bean varieties as plant indicators for the tobacco-mosaic virus. Phytopathology 31:430-439, illus. May 1941. 464.8 P56
1963. SILBERSCHMIDT, K., and KRAMER, M. Contribuição para o conhecimento do mosaico do fumo e dos seus hospedeiros selvagens no Brasil. Inst. Biol. São Paulo Arg. 9:1-20, illus. 1938. 442.9 Sa6
German summary.
1964. SILBERSCHMIDT, K. A degenerescência da batatinha. Biológico 3:247-254, illus. Sept.1937. 442.8 B529
1965. SILBERSCHMIDT, K., and KRAMER, M. A disseminação do mosaico do fumo no campo. Inst. Biol. São Paulo Arg. 10:61-72, illus. 1939. 442.9 Sa6
German summary.
1966. SILBERSCHMIDT, K. M. Enfermedades de virus da papa em Colombia. Agr. Trop. 3(1):27-35. Jan.15, 1947. 26 Ag8
1967. SILBERSCHMIDT, K., and CAMPOS, A. R. Estudos relativos à doença "superbrotação" ou "envassouramento" da mandioca. Inst. Biol. São Paulo Arg. 15:1-26, illus. Aug. 1944. 442.9 Sa6
English summary.
- Superbudding and witches broom disease of cassava. 1968. SILBERSCHMIDT, K. Estudos sobre a transmissão experimental da "clorose infectiosa" das Malváceas. Inst. Biol. São Paulo Arg. 14:105-156, illus. 1943. 442.9 Sa6
English summary.
- Results of observations on the transmission of the virus disease of *Sida acuta* carpinifolia, *S. rhombifolia*, and *S. cordifolia*, and of two ornamental shrubs, *Abutilon striatum*, and *A. striatum* spurius. 1969. SILBERSCHMIDT, K., NOBREGA, N. R., and KRAMER, M. A identificação das doenças de virus encontradas nos campos de multiplicação de tuberculosas-sementes de batatinha. Rev. de Agr. [Piracicaba] 16:23-40, illus. Jan./Feb. 1941. 9.2 R324
1970. SILBERSCHMIDT, K., and KRAMER, M. A importância das ervas más para a disseminação de "mosaico do fumo". Biológico 4:163-164, illus. May 1938. 442.8 B529
1971. SILBERSCHMIDT, K. Infectious chlorosis of *Phenax sonneratii*. Phytopathology 38:395-398, illus. May 1948. 464.8 P56
A new host plant for this disease.
1972. SILBERSCHMIDT, K., and KRAMER, M. A influência da altitude sobre a degenerescência da batatinha no Estado de São Paulo. Rev. de Agr. [Piracicaba] 18:1-106, illus. Jan./Feb.1943. 9.2 R324
English summary.
- Results of experiments performed during the years 1937-41, in Brazil.
1973. SILBERSCHMIDT, K. A "mancha anular", uma nova doença de virus da arruda (*Ruta* sp.). Biológico 12:219-220. Aug.1946. 442.8 B529
1974. SILBERSCHMIDT, K. O mosaico da mandioca. Biológico 4:177-181, illus. June 1938. 442.8 B529
1975. SILBERSCHMIDT, K., and NOBREGA, N. R. Notas sobre uma doença de virus em feijão de porco (*Canavalia ensiformis*, D. C.) e outra em feijão comum (*Phaseolus vulgaris* L.). Biológico 8:129-133, illus. May 1942. 442.8 B529
English summary.
1976. SILBERSCHMIDT, K., and CAMPOS, A. R. Novos aspectos do problema da formação dos cristais em folhos do fumo atacadas pelo mosaico. Inst. Biol. São Paulo Arg. 12:59-73, illus. Oct.1941. 442.9 Sa6
1977. SILBERSCHMIDT, K., and CARVALHO, J. C. Observações citológicas sobre o mosaico do fumo. Inst. Biol. São Paulo Arg. 9:261-271, illus. 1938. 442.9 Sa6
German summary.
1978. SILBERSCHMIDT, K. Observações suplementares sobre a transmissão experimental da clorose infectiosa da Malvaceae. Inst. Biol. São Paulo Arg. 16:49-64. Nov.1945. 442.9 Sa6
English summary.
- Results of experiments on *Sida* species.
1979. SILBERSCHMIDT, K., and KRAMER, M. A possibilidade da transmissão de doenças de virus pelas pulverizações com extratos de fumo. Biológico 7:207-215, illus. Aug.1941. 442.8 B529
English summary.
- Experimental work shows that there is little danger of transmission of tobacco-mosaic by sprays made from home-made extracts of tobacco powder.
1980. SILBERSCHMIDT, K. Progressos teóricos e práticos no campo da virologia. Soc. Bras. de Agron. B. 5(1):78-83. Mar. 1942. 9.2 S013
1981. SILBERSCHMIDT, K. Sobre a provável causa da "tristeza" das laranjeiras (Considerações em torno do artigo de H. J. Webber). Biológico 9:371-378. Nov.1943. 442.8 B529
1982. SILBERSCHMIDT, K., NOBREGA, N. R., and KRAMER, M. Sobre as variantes do virus X das batatinhas no Estado de São Paulo. Inst. Biol., São Paulo Arg. 12:27-58, illus. Oct. 1941. 442.9 Sa6
German summary.
1983. SILBERSCHMIDT, K., and NOBREGA, N. R. Sobre uma doença de virus da bananeira. Biológico 7:216-219, illus. Aug.1941. 442.8 B529
Brief English summary.
- Transmission of a banana virus disease by sap inoculation.
1984. SILBERSCHMIDT, K. A transmissão experimental da "mancha anular" do cafeiro. Biológico 7:93-99, illus. Apr.1941. 442.8 B529
English summary.
- Transmission of ring spot of coffee by grafting.
1985. SILBERSCHMIDT, K. O valor diagnóstico de alterações das qualidades fisiológicas dos tubérculos para o reconhecimento do grau de degenerescência das batatinhas. Ceres [Vicosa] 5:326-351. May/June 1944. 9.2 C332
- Virus diseases of the potato in Brazil.
1986. SILBERSCHMIDT, K., and KRAMER, M. O virus Y, uma das principais causas da degenerescência das batatinhas no Estado de São Paulo. Biológico 8:39-46, illus. Feb.1942. 442.8 B529
English summary.
- On the dissemination of this virus disease.
1987. SILVA, A. R. D. A. Estudos preliminares para a produção de variedades de trigo resistentes às ferrugens no Brasil. Brazil. Serv. Nat. de Pesquisas Agron. B. 1, 53 p. June 1947. 9.2 B738
English summary.
- A thesis, University of Minnesota, 1946.
- Seven races of leaf rust isolated in material sent from Brazil.
1988. SILVA, P., and LELLIS, W. T. Cacao disease in Brazil. Trop. Agr. [Trinidad] 24:56. 1947. 26 T754
A note reporting the more important diseases of cacao.
1989. SILVEIRA, F. D. A. Mancha de ferro do cafeiro. [São Paulo] Inst. de Café Rev. 13:1028-1030, illus. Aug.1938. 68.29 Sa63
American leaf disease of coffee caused by *Omphalia flavidia*.
1990. SILVEIRA, V. D. As doenças de virus e o seu estudo. Rev. Soc. Bras. de Agron. 2:61-79, illus. Dec. 1939. 9.2 S013
Reprinted as Rio de Janeiro Esc. Nat. de Agron. Avulso 1, 19 p. 1940. 102.5 R473A
1991. SILVEIRA, V. D. Elementos de fitopatologia. Agronomia (Rio de Janeiro) 8:1-42,87-130,189-247,281-328, illus. (Cont.) Jan.-Dec.1949. 9.2 Ag892
Chapters 1-9.
Later issues not yet received.
1992. SILVEIRA, V. D., and REINIGER, C. H. Estiolamento das sementeiras de citros causado pelo fungo *Sclerotium rolfsii* Sacc. Soc. Bras. de Agron. Rev. 2:165-168, illus. June 1939. 9.2 S013
1993. SILVEIRA, V. D. As galhas ou tumores das raízes. Agronomia [Rio de Janeiro] 2:5-23, illus. Jan./Mar.1943. 9.2 Ag892
Root diseases.
1994. SILVEIRA, V. D. Notas fitopatológicas e micológicas. I-XI. Soc. Bras. de Agron. B. 5:273-286,417-426;6:53-60,109-118,193-202,279-292;7:33-40,95-100,183-190;8:205-219;9:181-186, illus. 1942-46. 9.2 S013
Brief descriptions of plant diseases in Brazil.
1995. SILVEIRA, V. D. Sobre uma doença de virus do geranio (*Pelargonium zonale*). Soc. Bras. de Agron. B. 4:120, illus. Mar.1941. 9.2 S013
"Mancha anelar" (ring-spot). Differs from disease described by Pape in 1927 and Verplanke in 1932.

1996. SILVEIRA e AZEVEDO, N. da. Herbário micológico do jardim botânico. *Rodriguésia* 6(15):69-81. June 1942. 442.3 R61
1997. SIMMONDS, H. W. Coconut pests and diseases in Melanesia and southern Polynesia. Fiji. Dept. Agr. B. 20, 40 p., illus. (pt. col.). 1938. 25 F47B
Coconut diseases, p. 33-34.
1998. SIMMONDS, J. H., and MITCHELL, R. S. Black end and anthracnose of the banana, with special reference to *Gloeosporium musarum* Cke. and Mass. B. Austral. Council Sci. & Indus. Res. 151. 63 p., illus. 1940. 514 Au72B
1999. SIMMONDS, J. H. Citrus diseases. Queensland Agr. J. 47:142-153, illus. Feb. 1, 1937. 23 Q33
In the coastal areas of Queensland.
2000. SIMMONDS, J. H. The fungicidal treatment of 'second' potatoes. Jamaica Agr. Soc. J. 41:363. June 1937. 8 J223
F. epuration of fungicide for seed potatoes showing signs of common scab or black scurf.
2001. SIMMONDS, J. H. Influence of seasonal conditions on the development of *Cercospora* leaf spot on the banana, with special reference to the control programme. Queensland Agr. J. 52:633-647, illus. Dec. 1, 1939. 23 Q33
2002. SIMMONDS, J. H. Latent infection in tropical fruits discussed in relation to the part played by species of *Gloeosporium* and *Colletotrichum*. Roy. Soc. Queensland Proc. 52:92-120, illus. J. ne 3, 1941. 514 B775
Experiments with anthracnose of banana, mango and papaw.
2003. SIMMONDS, J. H. Plant diseases and their control. Queensland Agr. & Past. Handb. 3:116-247, illus. 1938. 36 Q3
Contents: I, General considerations; II, Fruit diseases; III, Diseases of field crops; IV, Vegetable diseases; V, The preparation of fungicides
2004. SIMMONDS, J. H. Squirrel disease in banana. Queensland Agr. J. 64:329. June 1947. 23 Q33
Caused by *Nigrospora*.
2005. SIMMONDS, J. H., and MITCHELL, R. S. The squirrel disease in bananas with special reference to its control. Queensland Agr. J. 47:542-548. June 1, 1937. 23 Q33
Thought to be caused by a species of *Nigrospora*.
2006. SLOOFF, W. C. Over de oorzaak en de bestrijding van invendige schimmel in de muskaatnot [On the problem of mouldiness in nutmegs]. East Indies (Dutch) Alg. Proefsta. v. Landb. Meded. 82, 20 p. Feb. 1949. 109.5 Ea73
English summary.
- Investigations at the Macassar Division of the General Agricultural Experiment Station, Buitenzorg, Java.
2007. SMEE, C. Notes on plant virus diseases with particular reference to tobacco. Nyasaland Agr. Q. J. 5: 73-89. Oct. 1945. 24 N983
2008. SMITH, K. M. A textbook of plant virus diseases. Phila., Blakiston, 1937. 615 p., illus. (pt. col.). 464.32 Sm6T
2009. SMITH, P. G. Some vegetable diseases in the South Pacific. Plant Dis. Rptr. 30:376-379. Oct. 15, 1946. 1.9 P69P
Includes diseases of tomatoes, watermelons, eggplant, snapbeans, cantaloupes, sweetpotato, and peanuts.
2010. SMITH, P. G. Witches'-broom of cucumber and cantaloup in the South Pacific. Plant Dis. Rptr. 30:375-376. Oct. 15, 1946. 1.9 P69P
2011. SOARES, O. M. Vermínos do pinhão, Araucaria brasiliensis (Angustifolia). Brazil. Dept. Nac. de Prod. Veg. Secc. de Fomento Agr. Paraná. B. Agr. 3(10/11): 119-122, illus. Dec. 1945. 9.2 B7363
2012. SOARES BRANDAO, J., FILHO. Algumas doenças do alho. Rio de Janeiro, Ministério da Agricultura, Serviço de Informação Agrícola, 1943. 6 p. (S. I. A. 820) 464.04 B732A
Diseases of garlic include rust, purple spot, mildew, dry rot, and soft rot.
- Also in Brazil. Min. da Agr. B. 30:29-34, June 1941. 9.2 Ag83
2013. SOARES BRANDAO, J., FILHO. Os "carvoões" do milho. Brazil. Min. da Agr. 30:31-33. Oct. 1941. 9.2 Ag83
Ustilago zeae, Sorghosporium reilianum.
2014. SOARES BRANDAO, J., FILHO. Doença dos citrú; medidas indicadas contra a podridão do pé. Rio de Janeiro, Ministério da Agricultura, Serviço de Informação Agrícola, 1943. 4 p. (S. I. A. 763) 464.06 B732
- Gummosis disease caused by *Phytophthora* spp. Also in Brazil. Min. da Agr. B. 30:25-28. Aug. 1941. 9.2 Ag83
2015. SOARES BRANDAO, J., FILHO. Doenças da couve e outras crucíferas. Sítios e Fazendas 8(8):53; (4):8. Mar., Apr., 1943. 9.2 S18
Plasmodiophora brassicae.
2016. SOARES BRANDAO, J., FILHO. Doenças e pragas do amendoim. [Brazil] Min. da Agr. B. 30:57-61. Mar. 1941. 9.2 Ag83
Diseases, p. 57-59. Brief descriptions and control recommendations for: *Alternaria brassicae* phaseoli, *Cercospora personata*, *Sclerotium rolfsii*, *Rhizoctonia solani*, *Puccinia arachidis*, and *Fusarium* sp.
2017. SOARES BRANDAO, J., FILHO. Meios de controle à "bacteriose" da mandioca. Brazil. Min. da Agr. B. 29:11-15. July 1940. 9.2 Ag83
Bacillus manihoti.
- Also in Campo 11:62-63. Oct. 1940. 9.2 C15
2018. SOARES BRANDAO, J., FILHO. Os nematóides e os meios usuais para o seu controle. Brazil. Min. da Agr. B. 30(7):9-15. July 1941. 9.2 Ag83
Root knot caused by the nematode *Heterodera marioni*.
2019. SOARES BRANDAO, J., FILHO. Pragas e doenças da cebola. Rio de Janeiro, Ministério da Agricultura, Serviço de Informação Agrícola, 1943. 8 p. (S. I. A. 851) 464.04 B732
Includes descriptions of rots, moulds, rusts, and anthracnose in Brazil.
- Also in Brazil. Min. da Agr. B. 30:1-8. Feb. 1941. 9.2 Ag83
2020. SOARES BRANDAO, J., FILHO. A septoríose do tomateiro. Brazil. Min. da Agr. B. 30:19-21. Nov. 1941. 9.2 Ag83
Leaf spot caused by *Septoria lycopersici*.
2021. SOARES BRANDAO, J., FILHO. O sublimado corrosivo no tratamento das sementes hortícolas. Ed. 2. Rio de Janeiro, Ministério da Agricultura, Serviço de Informação Agrícola, 1943. 3 p. (S. I. A. 656) 464.4 B73
Mercury bichloride.
- Also in Brazil. Min. da Agr. B. 30:29-31. May 1941. 9.2 Ag83
2022. SOBRINHO, V. A tristeza dos citrú; hipótese fisiológica. Pernambuco. Sec. de Agr., Indús., e Com. B. 13:253-264. Oct./Dec. 1946. 9.2 P423
English summary.
2023. SOBUSTAN, J. R. Enfermedades del banano. Agricultura [Bogotá] 9:184-186. Apr. 1937. 9.4 In22
Banana wilt and other minor diseases.
2024. SOCIETY OF BIOLOGICAL CHEMISTS, INDIA. Annual Review of Biochemistry and Allied Research in India for 1940. Bangalore, 1941. 173 p. 365 So13
Phytopathology - mycology, by M. Mitra. Report on diseases of wheat, cotton, sugarcane, apples, almond, mangoes, orange, and pineapple.
- Earlier reports by B. B. Mundkur, plant pathologist are similar, dealing also with diseases of jowar, rice, maize, peas, beans, citrus, ragi, sann hemp, potatoes, tea, coffee, tobacco, gram, pigeonpeas, soybeans, sandalwood, and grapes.
- Later reports have a section on industrial mycology.
2025. SOESMAN, J. G. Maatregelen en toepassing ter bestrijding van *Phytophthora*. Bergcultures 11:865-869, illus. June 12, 1937. 22.5 B45
Control of *Phytophthora* on rubber trees in the Netherlands Indies.
2026. SOESMAN, J. G. Wortelschimmels en Hevea-herontgningen. Bergcultures 12:1239-1244, illus. Sept. 3, 1938. 22.5 B45
Root fungi and hevea clearings. Root diseases due to *Fomes lignosus*.
2027. SOETARDI, R. G. Geslaagde inoculatieproeven met *Phomopsis heveae* (Fitch.) Boedijn, geïsoleerd uit jonge Heveazaailingen met stengelinsterving. Arch. v. de Rubbercult. 26:279-288, illus. June 1949. 78.8 Ar2
English summary.
2028. SOETARDI, R. G. Iets over de "swollen shoot" ziekte van cacao. Bergcultures 18:187, 189. May 1949. 22.5 B45
2029. SOERENSEN, H. G. Crown bupling for healthy Hevea. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 2:191-193, illus. Oct. 1942. I F752A
Resistance to South American leaf blight.
- Spanish translation, with title Obtención de caucheras sanas por injerto de escudete, in Hacienda 38:154-155, 164, illus. Apr. 1943. 6 H11

2030. SORIANO, S. Sobre la presencia del *Azotobacter agilis* en Norte y Sud America. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41:66-78, illus. 1942. 389.9 Ar3Pu
2031. SOUTHERN, B. L. Copper bunticide standards. Austral. Inst. Agr. Sci. J. 4:160-161. Sept.1938. 23 Au74 Recommended for Australia
2032. SOYER, D. La "rosette" de l'arachide. Recherches sur les vecteurs possibles de la maladie. Inst. Natl. pour l'Etude Agron. Congo Belge P., Sér. Sci. 21, 23 p., illus. (pt. col.). 1939. 24 In7
- Virus disease transmitted by insects.
2033. SPERONI, H. A. La citricultura en relacion a las enfermedades y plagas del sur de Córdoba y nordeste de San Luis. Rev. Mens. B. A. P. 23 (270):29,31-32, illus. Mar. 1940. 9 R326
- On gummosis and chlorosis of citrus and its control in Argentina.
2034. SPERONI, H. A. Las enfermedades de los citruses. Argentina Min. de Agr., B. Fruticola y Hort. 4:137-197, illus. July 1939. 286.83 Ar32
2035. SPERONI, H. A. Nueva contribución en el estudio de la enfermedad conocida como la podredumbre de las raicillas del naranjo. Cong. Fruticola Proc. (1936)4: 361-376, illus. 1939. 93.09 C7623
- Root rot of orange: history, symptoms, cause and control measures.
2036. SPERONI, H. A. Tizon gomoso de las ramitas de los citruses. Argentina Min. de Agr. Almanaque 16:111-112, illus. (pt. col.). 1941. 9 Ag874
- Phytophthora citrophthora, P. parasitica, causing brown rot of lemon.
- Reprinted as Argentinean Repub. Dir. de Frop. y Fubs., P. Misc. 114, 4 p., illus. (col.) 1942. 9 P943; also in Campo [Buenos Aires] 27(319):36-37, illus. May 1943. 9 C15
2037. SPERONI, H. A. Tratamiento de la "podredumbre del pie" de los citruses, llamada vulgarmente "gomosis". Argentina. Min. de Agr. Misc. P. 26, 7 p., illus. 1937. 9 P943
- Results of experimental work in the phytopathological laboratory at Bella Vista in the Province of Corrientes, Argentina.
2038. SQUIRE, F. A., and BRIANT, A. K. Spotting of bananas caused by *Frankliniella insularis* (Franklin). Trop. Agr. [Trinidad] 14:351-352. Dec.1937. 26 T754
2039. SREENIVASA IYENGAR, G., and BADAMI, V. K. Report on work done on the scheme for combating "red leaf" disease of cotton in Mysore State during the year 1936-1938. Mysore Agr. Dept. Rpts. 1936/37-1937/38. 1938-39. 22 M99R
- Work conducted in the following places: 1. Irwin Canal Farm, Mandya, 2. Hebbal Farm, near Bangalore. 3. Laboratory Breeding Cage, Bangalore City.
- For reports of the Mycological Section See Mysore. Dept. of Agriculture. Annual reports.
2040. SREENIVASAYA, M. The spike disease of sandal. Cur. Sci. 17:141-145. May 1948. 475 Sci23
2041. SRINIVASAN, A. R. Some new hosts for *Striga*. Cur. Sci. 16:320-321, illus. Oct.1947. 475 Sci23
2042. SRINIVASAN, K. H. A coffee root parasite - *Balanophora* sp. Mysore Agr. & Expt. Union J. 16:133-137, illus. 1937. 22 M99R
- On coffee estates in Mysore, India.
2043. STAHEL, G. The banana leaf speckle in Surinam caused by *Chloridium* musae nov. spec. and another related banana disease. Trop. Agr. [Trinidad] 14:42-45, illus. Feb.1937. 26 T754
- Ramichloridium musae* n. gen., n. sp.
2044. STAHEL, G. Banana leaf spot. [Cercospora maeae]. Trop. Agr. [Trinidad] 14:59-60. Mar.1937. 26 T754
- An "advanced summary" of a complete report to offer later in this journal.
2045. STAHEL, G. Cacao. Surinam. Landbouwprefect. Meded. 10:1-32. 1947. 102.5 D95
- Ziekten en plagen, p. 28-30.
2046. STAHEL, G. De Geestesplag bladziekte der baccova. Surinam. Dept. Lands B. 53, 27 p. Agr.1937. 9.6 D95
2047. STAHEL, G. Corticium areolatum, the cause of the areolate leaf spot of citrus. Phytopathology 30:119-130, illus. Feb.1940. 464.8 P56
- Common disease in Surinam (Dutch Guiana).
2048. STAHEL, G. Notes on *Cercospora* leaf spot of bananas (*Cercospora musae*). Trop. Agr. [Trinidad] 14: 257-264, illus. Sept.1937. 26 T754
- On the occurrence of this disease in Surinam (Dutch Guiana), description of symptoms; laboratory work with *Cercospora musae* in pure culture; infection experiments; control measures.
2049. STAKMAN, E. C., POPHAM, W. L., and CASSELL, R. C. Observations on stem rust epidemiology in Mexico. Amer. J. Bot. 27:90-99, illus., map. Feb. 1940. 453 Am36
2050. STAKMAN, E. C., and HARRAR, J. G. Plant pathology in Mexico. In Verdoorn, F., ed. Plants and plant science in Latin America. Waltham, Chronica Botanica Co., 1945. p. 52-55. 453 V58
2051. STANER, P. Las maladies de l'Hevea au Congo Belge. Inst. Roy. Colon. Belge. Sect. des Sci. Nat. et Med. Mém. 116:42 p., illus. 1941. 504 B8362M
2052. STEINDL, D. R. L. Disease control in the Bundaberg area. Queensland Bur. Sugar Expt. Stas., Cane Growers' Q. B. 7:206-209. Apr.1,1940. 65.9 Q3C
- Results of control board's operations.
2053. STEINDL, D. R. L. Droopy top disease of sugar cane. Queensland. Bur. Sugar Expt. Stas. Cane Growers' Q. B. 11:175-177, illus. Apr. 1, 1948. 65.9 Q3C
2054. STEINDL, D. R. L. "Chamusco" del platano (Sigatoka disease). Agricultura [Mex.] 1:43-50, illus. Jan./Feb. 1938. 8 Ag823
- Leaf spot of banana, *Cercospora musae*.
2055. STERN, J. Importancia de la fitopatología en la agricultura. Café de Salvador 12:217-224. Apr.1942. 68.28 C112
2056. STERN, J. Nuevos aspectos del problema del chamusco del platano en México. Mex. Esc. Nac. de Cien. Biol. An. 1:161-167. Oct./Dec.1938. 442.9 M573
- Cercospora musae*.
2057. STEVENSON, G. C. Breeding and testing sugarcane seedlings for gumming disease resistance at the British West Indies central sugar cane breeding station, Barbados. Internatl. Soc. Sugar Cane Technol. Cong. Proc. 6(1938):75-78. 1939. 65.9 In84
- Testing methods.
2058. STEVENSON, G. C. Breeding and testing sugarcane seedlings for mosaic disease resistance at the British West Indies central sugar cane breeding station, Barbados. Internatl. Soc. Sugar Cane Technol. Cong. Proc. 6(1938):71-75. 1939. 65.9 In84
- Methods of conducting mosaic disease resistance tests.
2059. STEVENSON, G. C. The inheritance of gumming disease resistance in sugarcane breeding. Mauritius. Dept. Agr. Sugarcane Res. Sta. B. 15, 9 p. 1939. 65.9 M44B
2060. STEVENSON, G. C. Studies on gumming disease of sugar cane. I-II. West Indies Cent. Sugar cane Breed. Sta. B. 16:1-9. July 1937. 65.9 W522B
- I, The relationship between leaf symptom development and systematic infection; II, The inheritance of gumming disease resistance.
2061. STEVENSON, J. A., and RANDS, R. D. An annotated list of fungi and bacteria associated with sugarcane and its products. Hawaii. Planters Res. 42(4):247-313. 1938. 25 H311
2062. STEVENSON, J. A., and WELLMAN, F. L. Informel preliminar de las enfermedades de las plantas de El Salvador. Rev. de Agr. Trop. [Salvador] 14(25):10-21. 1947. 6 R326
- Also in Café de El Salvador 17:99-105,187-191. Feb.-Mar.1947. 68.28 C112
2063. STEVENSON, J. A. A leaf blight [Pellicularia filamentosa] of jack-bean in Cuba. Plant Dis. Rptr. 30: 125. Apr.15,1946. 1.9 P69P
2064. STEVENSON, J. A., and WELLMAN, F. L. A preliminary account of the plant diseases of El Salvador. Wash. Acad. Sci. J. 34:259-268. Aug.15,1944. 500 W276J
2065. STEYAERT, R. L. L'anthracnose des baies du caféier arabica. Agr. et Elevage 11:100-101. July 1937. 26 Ag94
- Colletotrichum coffeanum, cause of the disease in Kivu, East Africa.
2066. STEYAERT, R. L. Contribution a l'étude des parasites des végétaux du Congo Belge. Soc. Roy. Bot. de Belge B. 80 (ser. 2) 30(1-2):11-58, illus. Aug.1948. 451 B41B
2067. STEYAERT, R. L. Notes sur deux conditions pathologiques de l'Elaeis guineensis. Inst. Natl. l'Etude Agron. Congo Belge P., Sér. Sci. 18, 13 p., illus. 1939. 24 In7
- I, Pourriture du tronc; II, Pourriture du bourgeon central de plants en pépinières.

2068. STEYAERT, R. L. Notes sur l'écologie en phytopathologie. In *Journées d'Agron. Colon. (Koloniale Landbouwdagen)* p. 332-337. Louvain, 1937. 5 J82
2069. STEYAERT, R. L. Plant protection in the Belgian Congo. *Sci. Mon.* 63:268-280, illus. Oct. 1946. 470 S123
- Diseases of cotton, oil palm, coffee, rubber, cacao, cinchona, potato, corn, wheat, rice, peanuts, cassava, and sweetpotato.
2070. STEYAERT, R. L. Présence du *Sclerospora maydis* (Rac.) Palm. (S. javanica Palm) au Congo Belge. *Inst. Natl. pour l'Etude Agron. Congo Belge P., Ser. Sci.* 13, 16 p., illus. 1937. 24 In7
2071. STEYAERT, R. L. Le problème des pourridies dans les cultures arborescentes tropicales et les techniques d'ouverture des plantations. *B. Agr. du Congo Belge* 40:1651-1678, illus. June 1949. 29 K83
- Conference africaine des sols, Gama (Congo Belge) 8-16 novembre 1948.
- On the root rots of trees, particularly of rubber, cinchona, cacao, coffee, and the oil palm.
2072. STEYAERT, R. L. La sélection du cotonnier pour la résistance aux stigmatomycoses. *Inst. Natl. Pour Etude Agron. Congo Belge P. Ser. Sci.* 16, 29 p., illus. 1939. 24 In7
2073. STEYAERT, R. L. La situation phytosanitaire de l'Afrique centrale. *Parasitica* 4:109-130. 1948. 464.8 Pa1
2074. STEYAERT, R. L. Vues sur la phytopathologie en Afrique Centrale. *Inst. Natl. pour l'Etude Agron. du Congo Belge. Semaine Agr. de Yangambi. Compt. Rend.* 2:677-681. 1947. 35.4 In7
2075. STOREY, H. H., and NICHOLS, R. F. W. A field experiment in the transmission of cassava mosaic. *East African Agr. J.* 3:446-449. 1938. 24 Ea74
2076. STOREY, H. H. A new virus of maize transmitted by *Cicadulina* spp. *Ann. Appl. Biol.* 24(1):87-94, illus. Feb. 1937. 442.8 An72
- The mottle virus occurring in East Africa is considered a new one, not related to the streak virus.
2077. STOREY, H. H., and NICHOLS, R. F. W. Studies of the mosaic diseases of cassava. *Ann. Appl. Biol.* 25: 790-806, illus. Nov. 1938. 442.8 An72
- Experimental work at the East African Agricultural Research Station, Amami, Tanganyika Territory.
2078. STOREY, H. H. Virus diseases of East African plants. I-VII. *East African Agr. J.* 1:63-68, 148-153, 206-211, 333-337, 471-475; 2:34-39, illus.; 3:446-449. 1935-38. 24 Ea74
- R. F. W. Nichols, joint author, VII.
- I. Introduction. II. Leaf-curl disease of tobacco. III. Rosette disease of groundnuts. IV. A survey of the viruses attacking the Gramineae. V. Streak disease of maize. VI. A progress report on studies of the disease of cassava. VII. A field experiment in the transmission of cassava mosaic.
2079. STRAIB, W. Las razas fisiológicas de *Puccinia glumarum* en Sudamérica y su comportamiento en la infección comparado con el de las formas europeas. *Uruguay. Min. de Ganad. y Agr. Arch. Fitotec.* 2:217-233. 1937. 102.5 Ur8A
- English summary. The South American races of stripe rust, so far known, are specific wheat rust races which can infect certain varieties of barley and also pass over to different wild grasses (species of *Elymus*, *Hordeum* and *Agropyrum*).
2080. SUBBA RAO, M. K. The deterioration of Greyvilles on south Indian tea plantations. I-III. *Planters' Chron.* 37:370-374, 390-394, 418-421. 1942. 22 P693
- I. Introduction - previous history; II. Natural causes; III. Control.
- Reprinted as *United Planters' Assoc. South India (Tea Sci. Sect.) Paper*, 3, 12 p. Oct. 1942. 68.19 Un3P
2081. SUBBA RAO, M. K. Serious tea diseases in south India. *Planters' Gaz.* & *Ann.* 1:19-20. Aug. 1939. 22 P694
- The author, mycologist of the Tea scientific department of the U. P. A. S. I., reports on a recent investigation.
2082. SUBIRATS, F. Amenaza el tizón tardío la zona tomatera. *Rincón Campesino* 8(87):7-9, 34. Feb. 1948. 5 R47
2083. SUBRAMANIAN, L. S., and CHONA, B. L. Note on *Cephalosporium sacchari* Butl. (causal organism of sugarcane wilt). *Indian J. Agr. Sci.* 8:189-190. Apr. 1938. 24 Ag831
2084. SUBRAMANIAN, C. V. Some factors affecting the growth and survival of *Fusarium vasinfectum* Atk., the cotton wilt pathogen in the soil, with special reference to microbiological antagonism. *Indian Bot. Soc. J.* 25:89-101, illus. Aug. 1946. 450 B21
2085. SUDAN. AGRICULTURAL RESEARCH SERVICE. Report, 1938. Madras, 1939. 124 p. 24 Su232
- Section of botany and plant pathology, by T. W. Clouston and F. W. Andrews, p. 32-47. Reports on the diseases of cotton.
- Earlier reports include information on cotton diseases.
2086. SUMMERVILLE, W. A. T. Deficiency diseases of citrus. *Queensland Agr. J.* 58:362-366, illus. June 1944. 23 Q33
- Includes mottle leaf and dieback diseases.
2087. SUNDARARAMAN, S. Fungus diseases. How they affect the wealth of the Madras presidency. *Madras Agr. J.* 27:19-24. Jan. 1939. 22 M262
- Summary of the Curzon lecture delivered at the Agricultural College, Coimbatore.
- Diseases of paddy, cholam, chillies, ginger, tumeric, betel vine, sugarcane, palms, and fruits.
2088. THE SURVIVAL of *Diploidi* in maize composition. *Rhodesia Agr. J.* 38:531-533, Oct. 1941. 24 R34
- Report of an investigation by E. E. Wijers.
2089. SYMPOSIUM on blister blight control. Proceedings of the first symposium. *Ceylon Tea Res. Inst. Tea Q.* 20:97-148. Dec. 1949. 68.18 C33
2090. TACHIBANA, S. T. Pak choi seed production. *Hawaii Farm & Home* 7:12-13, illus. Apr. 1944. 25 H3191
- Includes diseases of cabbage.
2091. TAFO, GOLD COAST. COCOA RESEARCH STATION. Annual report, 1947/48. London, 1948. 85 p. 68.39 T12A
- Virus research, p. 11-41. On swollen shoot and other virus diseases of cacao.
- Mycology, p. 67-69. Report on fungus diseases of cacao.
- Earlier reports by A. F. Posnette, plant pathologist, are similar.
2092. TAFO, GOLD COAST. COCOA RESEARCH STATION. Discussion on cocoa surveys and swollen shoot disease of cocoa at Aburi, 2nd January, 1946. *Tafo* 1946. 11 p. 464.09 T12
2093. TALLEDO V., P. El cultivo del ají. Lima, Ministerio de Agricultura, 1945. 17 p. 68.6 T14
- In the zone of Tacna, Peru.
- Diseases, p. 14-16.
2094. TAMAYO, F. Exploraciones botánicas en la Península Paranaquá, Estado Falcón. *Con. Venezol. de Cien. Nat. B.* 7(47):90 p., illus. 1941. 516 C172
- Includes plant diseases of Venezuela.
2095. TAMMES, P. M. L. De bestrijding van de bladvelekkenziekte bij jonge klappers. *Landouw* 13:69-73, illus. Feb. 1937. 22.5 L23
- English summary.
- Cocoon blight caused by *Pestalotia*.
2096. TANGANYIKA TERRITORY. DEPT. OF AGRICULTURE. Annual report, 1947. Dar Es Salaam, 1949. 150 p. 24 T15
- Pests and diseases, p. 5. Brief mention of the diseases of potato, coffee, wheat, tobacco, tea, and sorghums.
- Earlier reports are similar, with brief notes on diseases of bananas, tea, papaws, tomatoes, and sweetpotatoes.
2097. TANGANYIKA TERRITORY. DEPT. OF AGRICULTURE. Annual report of the Coffee Research and Experimental Station, Lyamungu, Moshi, 1944. Dar Es Salaam, 1945. 8 p. 68.29 L98
- Pests and diseases, p. 2. Brief mention of Hemileia disease of coffee.
- Earlier report by G. B. Wallace, plant pathologist, are similar, dealing also with leaf fall of coffee.
- Later reports are not available.
2098. TANTALEAN, C. Resumen histórico del origen de los híbridos de trigo resistentes a las royas en Concepción. *Peru. Dir. Gen. de Agr. B.* 17:141-145. 1944. 9.8 P43B
2099. TARASUOK, I. El aleli - importancia, cultivo, obtención de flores dobles (métodos), bases genéticas de la selección, enfermedades. *Buenos Aires (Prov.) Dir. de Agr., Ganad. e Indus. Anu. Rur.* 10:273-286, illus. (col.). 1942. 9 B86A
- Diseases of stocks (genus *matthiola*), p. 284-285.
2100. TARRAGO, E. Tratamiento de las heridas producidas en los árboles. *Argentina. Min. de Agr. Almanaque* 19:221-222. 1944. 9 Ag874
2101. TARTAKOWSKY, H. S., and ARMANDO GARCIA, A. Ensayos preliminares sobre control del dano off del tabaco. *Chile. Dept. de Sanid. Veg. B. de Sanid. Veg.* 2:20-24. Jan./June 1942. 464.9 C432B
- Preliminary results in the use of disinfectants on seed and soil.

2102. TARTAKOWSKY H., S. La gomosis de los citrus. *Agri. del Norte* 25:245-246. Sept.1940. 9.3 So14
Produced by the fungus *Phytophthora citrophthora*.
2103. TARTAKOWSKY H., S. La gomosis y la pudrición parva de los citrus. *Soc. Agr. del Norte* 6: 25:158-160. July 1937. 9.3 So14
Brown rot of citrus.
2104. TARTAKOWSKY H., S. G., and ARENTSEN S., S. T. La antracnosis de la vid. Chile. *Dept. de Sanid. Veg. B. de Sanid. Veg.* 1:21-32. July/Dec.1941. 464.9 C432B
2105. MELAMPORA larici populina.
2106. TARTAKOWSKY H., S. J., and ARENTSEN S., S. T. La antracnosis de la vid. Chile. *Dept. de Sanid. Veg. B.* 1:7-18. July 1941. 464.9 C432B
2106. TAUNAY, A. de E. Um flagello gravissimo dos cafezais. *Inst. de Café Rev. São Paulo* 24:896-903. July 1938. 68.29 Sa63
- Nematode disease.
2107. TAUNAY, A. de E. Observação do "mal de Cantagalo". Brazil. *Dept. Nac. de Café, DNC* 13:321-327. 469-476,631-639. Mar.,Apr.,May 1945. 286.83 D44
Title varies.
- Nematodes.
2108. TAVARES, I. A antracnose da manga. *Pernambuco. Sec. Agr. Indus. e Com. B.* 3:28-30, illus. Apr. 1938. 9.2 P423
Caused by *Colletotrichum gloeosporioides*.
2109. TAVARES, I. Catálogo dos fungos de Pernambuco. *Pernambuco Sec. Agr., Indus. e Com. B.* 4:1-33, illus. Mar. 1939. 9.2 P423
2110. TAVARES, I. Macroporose da cebola. *Pernambuco. Sec. Agr., Indus. e Com. B.* 4:45-48, illus. Mar. 1939. 9.2 P423
2111. TECHNICAL reports on the blister blight situation. *Ceylon Tea Res. Inst. Tea Q.* 20:102-125. Dec.1949. 68.18 C33
- Ceylon, by J. Lamb, C. A. Loos, and G. B. Portsmouth; India, by S. A. Rau, W. W. Mayne, and E. Hainsworth; Sumatra, by J. H. Van Emden and J. Reitsma.
2112. TEODALDO LLOSA, P. El problema de la roya del trigo en el Departamento de Ancash. Lima, Peru, Dir. de Agr. y ganad., Secc. Técnica de Propag. Agropecuaria, 1942. 21 p. 464.02 P43
To control the spread of the two most important rust diseases of wheat, *Puccinia graminis tritici* and *P. glumarum*.
2113. TEODORO, N. G. An enumeration of Philippine fungi. *Philippine Dept. Agr. & Com. Tech. B.* 4, 585 p. 1937. 462.18 T26
2114. TEUBER E. F. J. Algunas sugerencias prácticas para combatir el chancro del manzano. *Agrario* 9(358): 12. Mar. 29, 1945. 9.3 Ag85
In Chile.
2115. TEXERA, D. A., and MULLER, A. S. La podredumbre anular o marchitez bacteriana de las papas. *Agr. Venezol.* 5(57/58):27-30, illus. Jan./Feb.1941. 9.95 Ag8
An account of bacterial ring rot of potato due to *Phytophthora sepedonica* in Venezuela.
2116. THIRUMALACHAR, M. J. Angular leaf-spot of Kudzu in Mysore. *Cur. Sci.* 18:16-17. Jan.1949. 475 Sci23
Cercospora pueraricola.
2117. THIRUMALACHAR, M. J. An ascomycetous parasite [*Strigula* sp.] of *Cephaloporus*. *Indian Acad. Sci. Proc. Sect. B.* 22:374-377, illus. Dec.1945. 513 In25B
2118. THIRUMALACHAR, M. J. Doenças causadas por fungos dos gêneros "Elsinoë" e "Sphaceloma" em Misore (sul da Índia). *Inst. Biol., São Paulo. Arq.* 17: 55-66, illus. 1946. 442.9 Sa6
English summary.
- Accounts of nine species of *Sphaceloma* and one species of *Elsinoë*.
2119. THIRUMALACHAR, M. J. Ergot and sphacelial stages on some wild grasses in Mysore. *Cur. Sci.* 14:22. Jan.1945. 475 Sci23
2120. *THIRUMALACHAR, M. J. Ergot on *Cynodon dactylon* Pers. *Cur. Sci.* 13:288, illus. Nov.1944. 475 Sci23
Ergot on Bermuda grass (*Cynodon dactylon*) in India.
2121. THIRUMALACHAR, M. J. Ergot on sugarcane in Mysore. *Cur. Sci.* 12:330-331. Dec.1943. 475 Sci23
Large-scale production of ergot by means of inoculation and dissemination of infection.
2122. THIRUMALACHAR, M. J. *Hapalophragmium ponderosum* Syd. on *Acacia leucophloea* Willd. *Indian Bot. Soc. J.* 20:293-298, illus. Oct. 1941. 450 J821
Rust on *Acacia*.
2123. THIRUMALACHAR, M. J. *Masseella narasimhanii*, a new species of rust on *Flueggea leucopyrus* Willd. *Indian Acad. Sci. Proc. Sect. B.* 18:36-40, illus. Aug.1943. 513 In25B
Observed in the region of Yashavantapur, Bangalore, India.
2124. THIRUMALACHAR, M. J. A new species of *Puccinia* on *Crotonium ascendens*. *Indian Acad. Sci. Proc.* 14(B):466-471, illus. Nov.1941. 513 In25B
Puccinia leioleocarpum comb. nov., rust fungus.
2125. THIRUMALACHAR, M. J. *Oplidium uredinis* parasitic within the urediospores of *Hemileia canthii* Berk. and Broome. *Cur. Sci.* 11(9):363-364, illus. Sept. 1942. 475 Sci23
Fungi parasitic on fungi.
2126. THIRUMALACHAR, M. J. On the morphology, cytology and parasitism of *Uromyces hobsoni* Vize. (U. *Cunninghamianus* Barc.). *Indian Bot. Soc. J.* 17:295-299, illus. Dec.1938. 450 J821
A preliminary note on this rust fungus.
2127. THIRUMALACHAR, M. J. A preliminary note on a *Melampora* parasitic on *Lobelia trigona* Roxb. *Cur. Sci.* 10:366-367, illus. Aug.1941. 475 Sci23
Rust (M. *mundkuri* n. sp.)
2128. THIRUMALACHAR, M. J. *Puccinia droogensis* Butler on *Berberis aristata* D. C. *Cur. Sci.* 11(7):282-283, illus. July 1942. 475 Sci23
Rust on *barberry*.
2129. THIRUMALACHAR, M. J. Tuberculina on *Uromyces hobsoni* Vize. *Indian Bot. Soc. J.* 20:107-110, illus. Mar.1941. 450 J821
Fungi parasitic on fungi.
2130. THOMAS, K. M., and KRISHNASWAMI, C. S. Leaf crinkle, a transmissible disease of papaya. *Cur. Sci.* 8:316, illus. July 1939. 475 Sci23
An experiment by the authors in pot culture of papaya at Coimbatore, India. No organisms found.
2131. THOMAS, K. M., and KRISHNASWAMI, C. S. Little leaf - a transmissible disease of brinjal [egg plant]. *Indian Acad. Sci. Proc.* 10(B):201-212, illus. Aug.1939. 513 In25B
Virus disease transmitted by grafting; also appears on *Datura fastuosa*. K. M. Smith suggests that the virus may be termed *Datura virus 2*.
- Experimental work carried out at Coimbatore, India.
2132. THOMAS, K. M., RAMAKRISHNAN, T. S., and SRINIVASAN, K. V. The natural occurrence of ergot in south India. I-II. *Indian Acad. Sci. Proc. Sect. B* 21: 93-100,22:191-192,26:136-141, illus. 1945-47. 513 In25B
T. S. Ramakrishnan is sole author of III.
- New hosts of *Claviceps* have been recorded and the fungal characters on these hosts described.
2133. THOMAS, K. M. and MENON, K. K. The present position of pollu disease of pepper in Malabar. *Madras Agr. J.* 27:348-356, illus. Oct.1939. 22 M262
Anthracoze of black pepper in India caused in part by a species of *Colletotrichum*.
2134. THOMAS, K. M. Short notes on some diseases and pests of coffee. *Planters' Chron.* 43:346-348. July 15,1948. 22 P693
From the Indian Coffee Board Monthly Bulletin.
- Leaf diseases, black-rot and dieback.
2135. THOMAS, K. M., and MARUDARAJAN, D. Some aspects of the control of Koleraga or Mahali disease of the Areca palm. *Madras Agr. J.* 26:435-438. Nov.1938. 22 M262
Spraying experiments in Malabar and South Kanara of the Madras Presidency where the disease is prevalent.
2136. THOMAS, K. M., and others. Studies in the genus *Phytophthora*. I-II. *Indian Acad. Sci. Proc. Sect. B* 28:147-163, illus. 1947-48. 513 In25B
T. S. Ramakrishnan, C. K. Soumini, and M. S. Balakrishnan, joint authors, I.
T. S. Ramakrishnan, joint author, II.
2137. THOMPSON, A. "Blister blight" of tea. *Malayan Agr. J.* 32:25-27. Jan.1949. 22.5 F312
In Malaya.
2138. THOMPSON, A. Branch canker of tea. *Malayan Agr. J.* 29:152-154, illus. Apr.1941. 22.5 F312
Due to sun scorch when bushes are pruned.
2139. THOMPSON, A. Legislation in Malaya relating to trade in plants. *Malayan Agr. J.* 28:408-413. Sept. 1940. 22.5 F312
2140. THOMPSON, A. Notes on plant diseases in 1937-1940. *Malayan Agr. J.* 27:86-98;28:400-407;29:241-245, illus. 1939-41. 22.5 F312
Includes diseases of oil palms, coconuts, pineapples, tea, rice, citrus, papaya, avocado, cinchona, beans, peas, and pepper in Malaya.

2141. THOMPSON, A. Observations on stem-rot of the oil palm. Fed. Malay States, Dept. Agr. B. Sci. Ser. 21, 28 p., illus. 1937. 22.5 F31Bs
Fomes noxious.
2142. THOMPSON, A. Pineapple fruit rots in Malaya. A preliminary report on fruit rots of the Singapore canning pineapple. Malayan Agr. J. 25:407-420, illus. Oct. 1937. 22.5 F312
Fruitlet brown rot, broken core, fruit collapse.
2143. THOMPSON, A. A root disease of the durian tree caused by *Pythium completectens* Braun. Malayan Agr. J. 26:460-464, illus. Nov. 1938. 22.5 F312
2144. THOROLD, C. A. Cacao diseases in Trinidad. Cocoa Res. Conf. Rpt. & Proc. 1945:140-141. 1945. 68.39 C64
Includes witches broom disease, pod, stem, leaf and root diseases.
2145. THOROLD, C. A. Cacao virus disease. Trinidad & Tobago. Agr. Soc. Proc. 45:295, 297-299. Dec. 1945. 8 T73
A plan toward eradication of this disease in Trinidad.
2146. THOROLD, C. A. Cultivation of bananas under shade for the control of leaf spot disease. Trop. Agr. [Trinidad] 17:213-214. May/June 1940. 26 T754
2147. THOROLD, C. A. The effects of certain crop rotations on the incidence of bacterial wilt disease (*Xanthomonas solanacearum*) of tomato. Trop. Agr. [Trinidad] 26:28-32. Jan./June 1949. 26 T754
Results of experimental work carried out at the St. Augustine Experiment Station of the Trinidad Department of Agriculture.
2148. THOROLD, C. A. Elgón dieback disease of coffee. East African Agr. J. 10:198-206, illus. Apr. 1945. 24 Ea74
Fungi isolated are believed to be secondary and par-asitic. Probably a physiological disease.
2149. THOROLD, C. A. Manual experiments with papaw (*Carica papaya*). Trop. Agr. [Trinidad] 26:129-132. July/Dec. 1949. 26 T754
Effects on mosaic disease incidence.
- 2149a. THOROLD, C. A. Observations on a trial of trees as shade for cacao. Trop. Agr. [Trinidad] 22:203-206. Nov. 1945. 26 T754
Fifteen species described and resistance to *Calostilbe striospora* discussed.
2150. THOROLD, C. A. "Reported control of Fanana disease." Agr. Soc. Trinidad & Tobago. Proc. 45:39, 41. Mar. 1945. 8 T73
Fanana disease or wilt of banana caused by *Fusarium cubense*.
"Comment on a newspaper article sent to the Society by a member."
2151. THOROLD, C. A. Vegetable pests and diseases. Trinidad & Tobago, Agr. Soc. Proc. 40:207-213. Sept. 1940. 8 T73
Descriptions of leaf spotting, blossom-end rot, soft rot diseases, maize "stripe" disease, and tomato wilt.
2152. THUNG, T. H. De epidemiologie van de Phytophthora parasitica var. nicotianae op de Vorstenlandsche tabaksondernemingen. Klaten, Java, Proefsta. V. Vorstenland Tabak. Meded. 86, 55 p., illus. 1938. 69.9 K66
English summary.
On the Vorstenlanden estates in Java.
2153. THUNG, T. H. Virusziekten van Arachis hypogaea with summary. Virus diseases of *Arachis hypogaea*. Landbouww. 19:337-347. Apr./May 1947. 22.5 L23
Three types of mosaic disease discovered in the neighborhood of Buitenzorg, Java.
2154. THUNG, T. H. Waarnemingen over resistentie-eigenschappen bij verschillende tabaksoorten. Landbouww. 16:646-652. Nov. 1940. 22.5 L23
2155. THUNG, T. H. Zwartrot van kool. Landbouww. 21:259-266. June 1949. 22.5 L23
English summary.
Results of experimental studies of cabbage varieties, in Java, resistant to the black root disease caused by the organism, *Xanthomonas campestris*.
2156. TINOCO CORONA, L. Principales enfermedades del naranjo en la región de Santa Engracia, Tams. Mex. Ofic. Fitosant. Fitófilo 3:26-46, illus. Mar./Apr. 1944. 421 F55
2157. TOBLER BOTTINI, H., and BERTA, J. A. Ensayo del caldo borriquero contra la peronospora de la papa (*Phytophthora infestans* Bary). Uruguay. Min. de Ganad. y Agr. B. Inform. 2:401. Oct. 18, 1945. 9.9 G15B
2158. TOBLER BOTTINI, H. D. Estudio del contralor del carbón cuticular, hediondo, caries o tizón del trigo (*Tilletia spp.*). Assoc. de Ingen. Agron. Rev. 18(72):17-27. Mar. 1946. 290.9 As73
English summary.
Use of copper carbonate for control of stinking smut in Uruguay.
2159. TOCCHETTO, A. Crestamento alternaria da batata (*Solanum tuberosum* L.). Rev. Agron. [Rio Grande do Sul] 5:339-340, illus. May/June 1941. 9.2 R325
Causal organism. Alternaria solani.
2160. TOCCHETTO, A. Mancha preta ou cercosporiose do amendoim (*Cercospora personata* (B. & C.) Ellis). Rev. Agron. [Rio Grande do Sul] 5:501-502, illus. Sept. 1941. 9.2 R325
Note on this disease in Brazil, and its control.
2161. TOCCHETTO, A. A leprose da laranjeira. Rev. Agron. [Rio Grande do Sul] 5:663-664, illus. Nov. 1941. 9.2 R325
Note on this virus disease and its control in Brazil.
2162. TOCCHETTO, A. Míldio da batata e controle. Rev. Agron. [Porto Alegre] 11:176-178, illus. July/Sept. 1947. 9.2 R325
Phytophthora infestans, causal organism.
2163. TOCCHETTO, A. Feronspora [Plasmopora viticola] da parreira. Rev. Agron. [Rio Grande do Sul] 7:253, illus. May 1943. 9.2 R325
2164. TOCCHETTO, A. Rizoctoniose da alfalfa. Rio Grande do Sul (State) Sec. de Estado dos Negócios da Agr., Indus. e Com. C. 51, 3 p., illus. Nov. 1942. 9.2 R473C
2165. TOCCHETTO, A. Tratamento da semente de batata. Rev. Agron. [Rio Grande do Sul] 6:111-112, illus. Mar. 1942. 9.2 R325
2166. TOCCHETTO, A. Três novos fungos do arroz no Rio Grande do Sul: nota prévia. Rev. Agron. [Porto Alegre] 11:10, illus. Jan./Feb. 1947. 9.2 R325
Rhizoctonia solani, Phythium arrhenomanes, and Sclerotium oryzae.
2167. TORO, R. A. Pugillus fungorum venezuelensis. P. R. U. J. Agr. 22:449-454, illus. Oct. 1938. 8 P832J
Schiffnerula parapanensis n. sp., Kernomyces costii n. gen., n. sp.
The present paper represents an attempt to identify some of the specimens which were collected in course of the several trips to Venezuela.
2168. TORREND, C. As Poliporaceas da Bahia e estados limítrofes. Reunión Sul-Amér. de Bot. An. (1938) 1(2):325-341. 1940. 451 R31
French summary.
2169. TOTHILL, J. D., ed. Agriculture in Uganda, by the staff of the Department of Agriculture, Uganda. Oxford, University Press, 1940. 551 p., illus. 35.4 T64
Includes native food crops, cotton, coffee, etc., with notes on diseases under each.
2170. TORRES, J. M. La asfixia radical en las plantaciones del Delta. Buenos Aires. Dir. de Agr. Ganad. e Indus. Anu. R. 10:185-191, illus. 1942. 9 B866A
Observations on citrus plantations in Argentina.
2171. TRAVENCORE, DEPT. OF AGRICULTURE. Administration report, 1946/47. Trivandrum, 1948. 41 p. 22 T69
Plant pathology, p. 11-15. Deals with investigations of coconut palm diseases.
Previous reports deal with coconut palm diseases with occasional brief reporting on diseases of the arecanut palm, rubber-trees, cloves, tapioca, guavas, pepper, and banana.
2172. TRAVERSI, B. A. Algunos consejos para luchar contra las enfermedades de virus. Argentina. Inst. de Sanid. Veg. Dept. de Fitopat. C. 26, 2 p. Apr. 1947. 464.9 Ar323C
2173. TRAVERSI, B. A. Inclusiones celulares de Nicotiana virus 1 en Nicotiana tabacum. Soc. Cient. Argentina. An. 142:97-100. Sept. 1946. 516 Sot
English summary.
2174. TRELLES, J. B. El manzano. Argentina Min. de Agr. B. Fruticola y Hort. 4(37), 90 p., illus. Mar. 1939. 286.83 Ar32
Enfermedades y plagas: p. 69-78.
2175. TRELLES, J. B. La podredumbre del corazón de las manzanas, por efecto de calices abiertos. Cong. Fruticola San Juan [Trab.] (1936) 4:382-384, illus. 1939. 93.09 C7623
Observed in the Rio Negro Valley, Brazil.

2176. TRINIDAD DEPT. OF AGRICULTURE. Administration report, 1947. Trinidad, Port-of-Spain, 1948. 19 p. 8 T732
- Mention is made of a few diseases of sugarcane and cacao, p. 14-15.
- Previous reports deal variously with diseases of cacao, sugarcane, citrus, sweetpotatoes, cabbage, potatoes, lettuce, papayas, tomato, rice, banana, toka-bean, coconut, coffee, and cauliflower.
2177. TUBBS, F. R. Blister blight [Exobasidium]. Ceylon Tea Res. Inst. Tea Q. 18:90. Dec. 1946. 68.18 C33
2178. TUBBS, F. R. Blister blight [Exobasidium vexans]. Ceylon Tea Res. Inst. Tea Q. 19(1):9-13, 23-26. May 1947. 68.18 C33
- Discussion, p. 13-17.
2179. TUBBS, F. R. The control of blister blight of tea [Exobasidium vexans, Massee]. Ceylon Tea Res. Inst. Tea Q. 19:34-41. July 1947. 68.18 C33
2180. TUBBS, F. R. A leaf disease of tea new to Ceylon. Ceylon Tea Res. Inst. Tea Q. 19:43-45. July 1947. 68.18 C33
- Blister blight caused by Exobasidium vexans.
2181. TUBBS, F. R. Notes on blister blight. Ceylon Tea Res. Inst. Tea Q. 19:50-56. July 1947. 68.18 C33
- Caused by Exobasidium vexans.
2182. TUBBS, F. R. Spraying and dusting in the control of blister blight of tea. Ceylon Tea Res. Inst. Tea Q. 19:78-92. Dec. 1947. 68.18 C33
2183. TUCKER, C. M. Enfermedades del café en América. Café de El Salvador 9:141-156, illus. Mar. 1939. 68.28 C112
- Includes root rots, leaf and fruit spots of coffee in Central and South America.
- Also in Inst. de Defensa de Café de Costa Rica. Rev. 8: 103-110. Apr. 1939. 68.28 C82
2184. TUCUMAN. ESTACION EXPERIMENTAL AGRICOLA. Memoria anual del año 1944. Tucumán Estac. Expt. Agr. Rev. Indus. y Agr. 36:5-85. 1946. 9 T79
- Departamento de Botánica y Fitopatología, by G. L. Fawcett, p. 57-60, illus.
- Reports on diseases of sugarcane, orange, potatoes, tobacco, and tomatoes.
- Previous reports are similar, reporting variously on diseases of cotton, rice, and citrus.
- Later reports not yet received.
2185. TUNSTALL, A. C. Black rot and thread blight of tea. Tocklai Expt. Sta. Proc. Annu. Conf. 4:27-33. 1940. 68.19 T562
- Black rot caused by the fungi *Corticium invivum* and *C. theae* in India.
2186. TUNSTALL, A. C. [Black rot in tea] Tocklai Expt. Sta. Proc. Annu. Conf. 1:29-39. 1937. 68.19 T562
- In India, more especially in the Assam Valley.
2187. TUNSTALL, A. C. Diseases affecting the woody portions of the tea bush. Tocklai Expt. Sta. Proc. Annu. Conf. 2:70-81. 1938. 68.19 T562
- Fungus diseases in India, particularly dieback.
2188. TUNSTALL, A. C. Notes on root diseases of tea in north east India. Tocklai Expt. Sta. Memo. 8, 25 p., illus. (pt. col.) Jan. 24, 1940. 68.19 T562M
2189. TUNSTALL, A. C., and SARMAH, K. C. Notes on stem diseases of tea in north east India. Tocklai Expt. Sta. Memo. 16, 77 p., illus. (pt. col.) July 3, 1947. 68.19 T562M
2190. TUNSTALL, A. C. Red rust. Tocklai Expt. Sta. Memo. 14, 19 p., illus. (col.) Jan. 15, 1942. 68.19 T562M
- Cephaleuros parasiticus* is the term adopted by the author to denote the alga causing red rust of tea in India.
2191. TUNSTALL, A. C. Report on visit to south India in connection with blister blight. Planters' Chron. 42: 179-182. Apr. 15, 1947. 22 P693
- Tea.
2192. UBISCH, G. von. A alteração da morfologia de flores pelos Ustilaginales. Rodriguésia 2 (Número especial):323-327. 1936 [1937]. 442.8 R61
2193. UGANDA. DEPT. OF AGRICULTURE. Annual report, 1945-46. Entebbe, 1947. 92 p. 24 Ug12
- Section of plant pathology, p. 1, by C. G. Hansford.
- Brief mention of the continued study of cotton diseases, particularly wilt and blackarm, and the study of virus disease of sweetpotatoes.
- Earlier reports deal principally with diseases of tobacco, cassava, sugarcane, beans, and bananas.
2194. UNITED PLANTERS' ASSOCIATION OF SOUTH-ERN INDIA. TEA SCIENTIFIC OFFICER. Blister blight of tea. Planters' Chron. 42:49-51. Feb. 1, 1947. 22 P693
2195. UNITED PLANTERS' ASSOCIATION OF SOUTH-ERN INDIA. TEA SCIENTIFIC SECTION. Report, 1948/49. Madras, 1949. 32 p. 68.19 Un3
- Mycological report, p. 15-21. On blister blight disease of tea.
- Earlier reports by M. K. Subba Ras, mycologist, are similar, including other diseases of tea, such as, red rot, witches broom, Fusarium, galls and canker diseases, black blight, and bird's-eye spot.
2196. UPHOF, J. C. T. Enfermedades de los árboles producidas por las heridas. Hacienda 34:461, illus. Dec. 1939. 6 H11
- Also in Agr. Venezol. 4 (45/46):28-29. Jan./Feb. 1940. 9.95 Ag8
2197. UPHOF, J. T. Enfermedades del mosaico. Hacienda 35:186-187, illus. May 1940. 6 H11
2198. UPHOF, J. C. T. Farasitos en los heridas de los cafetos y la manera de controlarlos. Café de El Salvador 8:391-406, illus. July 1938. 68.28 C112
- Fungus diseases due to species of *Polyporus*, *Fomes*, *Agaricus*, *Corticium*, *Nectria*, and others.
2199. UPHOF, J. C. T. La podredumbre radical negra. Hacienda 39:434, illus. Sept. 1944. 6 H11
- Rosellinia bunodes in coffee plantations.
2200. UPHOF, J. C. T. *Psittacanthus calyculatus* (D. C.) Don. as parasite on citrus trees in Central America. Rev. Sudamer. de Bot. 6:31-37, illus. Mar. 1939. 450 R3242
2201. UPHOF, J. C. T. Variedades de caupf resistentes a la podredumbre de las raíces. Hacienda 37:326, illus. Aug. 1942. 6 H11
2202. UPPAL, B. N., PATEL, M. K., and KAMAT, M. N. Alternaria blight of cumlin. Indian J. Agr. Sci. 8:49-62, illus. Feb. 1938. 22 Ag31
- Caused by the fungus *Alternaria burnsi* n. sp., in the Kaira District, India.
2203. UPPAL, B. N., PATEL, M. K., and NIKAM, B. G. Bacterial blight of Phaseolus vulgaris var. White Kidney. Natl. Inst. Sci. India. Proc. 12:351-359, illus. Aug./Oct. 1946. 513 N212
- Bacterial blight of French beans grown on the Agricultural College Farm at Poona. Proposed name of the organism causing the disease is *Xanthomonas phaseoli* var. *indicus* nov. var.
2204. UPPAL, B. N., PATEL, M. K., and KAMAT, M. N. Bacterial leaf spot of soybean in Bombay. Bombay. U. J., Sect. B, Biol. Sci. 6:16-18. Mar. 1938. 513 B633
- Phytophthora phaseoli var. *sojense*.
2205. UPPAL, B. N. Breeding for wilt resistance in cotton. Conf. Sci. Res. Workers on Cotton, India, (1937) 1:279-295. 1938. 72.9 C764
2206. UPPAL, B. N. Crop protection from fungi. India. Bd. Agr. & Anim. Husb., Crops & Soils Wing. Proc. 2 (1937):329-333. 1939. 22 In233
- Plant diseases in India and their control.
2207. UPPAL, B. N. Diseases of cotton in India. Bangalore City, Indian Cent. Cotton Com., 1948. 32 p. 464.042 Up8
2208. UPPAL, B. N., and DESAI, M. K. Kolerog disease of Areca nut. Cur. Sci. 8:122-124, illus. Mar. 1939. 475 Sc123
- In Bombay Province, India. Caused by *Phytophthora arecae*.
2209. UPPAL, B. N., VERMA, P. M., and CAPOOR, S. P. A mosaic disease of cardamom. Cur. Sci. 14:208-209, illus. Aug. 1945. 475 Sc123
- Includes experiments on insect transmission of the diseases of Eleutheria cardamomum.
2210. UPPAL, B. N., KAMAT, M. N., and PATEL, M. K. Powdery mildew of betel vines. Indian Acad. Sci. Proc. Sect. B. 24:255-259, illus. Dec. 1946. 513 In25B
- Disease localized in the Thana District of Bombay Province.
2211. UPPAL, B. N., PATEL, M. K., and KAMAT, M. N. Powdery mildew of the mango. Bombay. U. J., Sect. B. Biol. Sci. 9:12-16, illus. Mar. 1941. 513 B633
- Oidium mangiferae.
2212. UPPAL, B. N., CAPOOR, S. P., and RAYCHAUDHURI, S. P. "Small-leaf" disease of cotton. Cur. Sci. 13:284-285, illus. Nov. 1944. 475 Sc123
- Authors state that this disease is caused by a virus. It has usually been considered due to physiological causes. The disease is found in India in the Provinces of Bombay, Madras and the Punjab.

2213. UPPAL, B. N., and KULKARNI, N. T. Studies in Fusarium wilt of sann-hemp. I. The physiology and biology of Fusarium vasinfectum Atk. Indian J. Agr. Sci. 7: 413-442. June 1937. 22 Ag831
2214. UPPAL, B. N., VARMA, P. M., and CAPOOR, S. P. Yellow mosaic of "bendi". Cur. Sci. 9:227-228, illus. May 1940. 475 Sc123
- Mosaic of okra (*Hibiscus esculentus*).
2215. URIBE ARANGO, H. La gotera [Omphalia flavid] del café. Colombia. U. Nac. Facul. Nac. de Agron. Rev. 7:249-260. June 1947. 9 C 717
2216. URQUIDI M., R. Melanosis de los citrus. Campo [La Paz] 3(24):5-7, illus. Apr. 1949. 9 I C15
- Caused by *Phomopsis citri*.
2217. URUGUAY. DIRECCION DE AGRONOMIA. Enfermedades y plagas principales de la agricultura uruguayana. Uruguay. Dir. de Agron. [P] 55, 19 p. 1941. 9.9 Ur64
- List of diseases produced by bacteria, viruses, and fungi, p. 1-12.
2218. URUGUAY. MINISTERIO DE GANADERIA Y AGRICULTURA. La encrespadura [Taphrina deformans] de las hojas del duraznero. Uruguay. Min. de Ganad. y Agr. B. Inform. 2:325, illus. Aug. 16, 1945. 9.9 G15B
- Leaf curl of nectarine.
2219. VALDIVIA A., A. El cultivo del naranjo en los Yungas de La Paz, Bolivia. La Paz Bolivia, Imp. Artistica Sucs. de A. H. Otero, 1942. 154 p., illus. 93-131 V23
- Includes phytopathology and entomology, p. 115-144.
2220. VALDIVIA A., A. Enfermedades del duraznero. Campo [La Paz] 1(6):8-11, illus. Oct. 1947.
- Includes leaf curl, scab, and powdery mildew of peach in Bolivia.
2221. VALDIVIA A., A. La Phytophthora infestans en la papa. Camp [La Paz] 2(11):5-10, illus. Mar. 1948. 9.1 C15
- In Bolivia.
2222. VALLE, C. G. DEL, and ARANGO, O. La enfermedad de las rayas blancas del maíz produce considerables pérdidas en Calimete y Tacúey Grande. B. Agr. Campesino Cubana 7(310):6.8. Sept. 15, 1943. 8 B632
- Virus disease transmitted by *Peregrinus maidis*.
2223. VALLEGA, J. Especialización fisiológica de Melampsora lini, en Argentina. Inst. Fitotec. de Santa Catalina. An. 4:59-74. 1942 (pub. 1944). 451 In72A
- English summary.
2224. VALLEGA, J. Especialización fisiológica de Puccinia graminis tritici, en Brasil. Inst. Fitotec. de Santa Catalina An. (1941) 3:29-36, illus. 1943. 451 In72A
- English summary.
2225. VALLEGA, J. Especialización fisiológica de Puccinia graminis tritici en la Argentina, Chile y Uruguay. Rev. Argentina de Agron. 7:196-220. Sept. 1940. 9 R327
- English summary.
2226. VALLEGA, J., and FAVRET, E. A. Herencia de la resistencia a *Erysiphe graminis hordei* en cebada. I. Factores de resistencia en las variedades Monte Cristo y Nigrate. Argentina. Inst. de Fitotec. P. Tec. 4, 11 p. 1947. 464.9 Ar324B
2227. VALLEGA, J. Dos nuevas selecciones de trigo de origen híbrido Inmunes a "Puccinia glumarum". La Plata. U. Nac. Facul. de Agron. Rev., Epoca 3, v. 22: 139-145. 1938. 9 R32
2228. VALLEGA, J. Observaciones preliminares sobre especialización fisiológica de Puccinia sorghi, en Argentina. Inst. Fitotec. de Santa Catalina. An. 4:14-15, illus. 1942 (pub. 1944). 451 In72A
- English summary.
- Trabajo presentado en la segunda Reunión Argentina de Agronomía. Córdoba 1943.
- A study of Puccinia sorghi from Llavallol, Province of Buenos Aires.
2229. VALLEGA, J. Observaciones sobre la resistencia a la roya de algunos linos ensayados en el Instituto Fitotecnico de Llavallol. Rev. Argentina de Agron. 5: 25-56. Mar. 1938. 9 R327
- In Argentina.
2230. VALLEGA, J. Physiologic specialization of Puccinia graminis tritici in Argentina, Chile, and Uruguay. Pacific Sci. Cong. Proc. (1939) 6(4):769-774. 1940. 330.9 P194
- Wheat rust.
2231. VALLEGA, J. Razas fisiológicas de Puccinia graminis avenae halladas en Argentina. Buenos Aires U. Facul. de Agron. y Vet. Rev. 10:517-529, illus. Nov. 1943. 9 B863
- English summary.
- Study of varieties of oats resistant to Puccinia graminis avenae strains 3 and 7.
2232. VALLEGA, J., and FAVRET, E. A. Razas fisiológicas de "Puccinia graminis tritici" que atacan a "Triticum timopheevi". Argentina. Rev. de Invest. Agr. 1:113-118. July 1947. 9 R329
- Reprinted as Argentina. Inst. de Fitotec. P. Tec. 6:113-118, illus. 1947. 464.9 Ar324B
2233. VALLEGA, J. Razas fisiológicas de Puccinia rubigo-vera tritici, comunes en Argentina. Inst. Fitotec. de Santa Catalina. An. 4:40-57. 1942 (pub. 1944). 451 In72A
- English summary.
- Trabajo presentado en la segunda Reunión Argentina de Agronomía. Córdoba, 1943.
2234. VALLEGA, J. Razas fisiológicas de Puccinia triticea procedentes de Ipanema, San Pablo, Brasil. Rev. Argentina de Agron. 3:57-59. Mar. 1941. 9 R327
2235. VALLEGA, J. Razas fisiológicas de Puccinia triticea y P. graminis tritici comunes en Chile. Chile Dept. Genet. Fitotec. B. Tec. 3, 32 p., illus. (maps). Jan. 1942. 64.9 C43
- English summary.
2236. VALLEGA, J. Reacción de algunas especies espontáneas de Hordeum con respecto a las royas que afectan al trigo. Argentina. Inst. de Fitotec. P. Tec. 3, 11 p. 1947. 464.9 Ar324B
2237. VALLEGA, J., and FAVRET, E. A. Royas y otros parásitos de los cereales en los valles andino-patagónicos. Argentina. Dir. Gen. de Labs. e Invest. Rev. de Invest. Agr. 1:269-277. Oct. 1947. 9 R329
2238. VALLEJO E., S. P. Enfermedades de algunas plantas cultivadas en el Departamento de La Libertad. Pensamiento Peruano, p. 32-36. Oct. /Nov. 1944. 110 P38
2239. VARADA RAJAN, B. S. Disease resistance in plants. Poona Agr. Col. Mag. 29:93-101. Dec. 1937. 22 P79
2240. VARADA RAJAN, B. S., and PATEL, J. S. Seed transmission of stem-rot of jute and its control. Indian J. Agr. Sci. 16:193-206, illus. Apr. 1946. 22 Ag831
- Macrophomina phaseoli.
2241. VARGAS, M. J. Informe del Professor Carlos E. Chardon sobre el mosaico de la caña de azúcar. Agricultura [Bogotá] 9:107-120, illus. Mar. 1937. 9.4 In22
2242. VARGAS, M. J. El mosaico de la caña de azúcar. Agricultura [Bogotá] 9(6):121-125. Mar. 1937. 9.4 In22
2243. VEEN, R. VAN DER. Tjemara-ziekte (frenching) bij tabak als vergiftigingsverschijnsel. Besoek. Proefsta. [Java]. Meded. 6:14-20, illus. 1938. 109.5 B46M
- English summary.
2244. VEEN, R. VAN DER. Zonnebrand bij Hevea. Bergcultures 15:313-317, illus. Mar. 15, 1941. 22.5 B45
- Meded. van het Besoekisch proefstation.
2245. VEIGA, F. M. Tratamiento de toletes de caña con fungicidas. Bras. Açucareiro 32:352-355, illus. Sept./Oct. 1948. 65.8 B73
- Sugarcane.
2246. VELASCO LLANO, V. La enfermedad [Bacterium solanacearum] del platano es muy grave. Colombia. Estac. Agr. Expt. de Palmira. B. 5, 2 p., processed. Palmira, 1944. 102.5 P1801
2247. VELLOZO, L. G. de C. Doenças bacterianas vegetais. I. Generalidades sobre doenças bacterianas em vegetais. Brazil. Dept. Nac. da Prod. Veg. Sec. de Fomento Agr. no Paraná. B. Agr. 4:51-62. Oct. 1946. 9.2 B7363
2248. VELLOZO, L. G. C., and NOWACKI, M. J. Lista prévia dos fungos observados na Divisão de Fitopatologia durante os anos 1946 e 1947. Arg. de Biol. e Tecnol. 2: 221-224. 1947. 475 Ar62
- English summary.
- Division of Plant Pathology of the Instituto de Biología e Pesquisas Tecnológicas, Paraná, Brazil.
2249. VENEZUELA. INSTITUTO NACIONAL DEL CAFE. Algunas observaciones prácticas acerca del cultivo y beneficio del café. Caracas, Coop. de Artes Gráficas, 1942. 181 p. 68.2 C17
- Enfermedades de caféto, p. 92-131; Plagas del caféto, p. 132-157.
2250. VENKATA RAO, M. G. The influence of host plants on sandal and on spike disease. Indian Forester 64:656-669. Nov. 1938. 99.8 In2

2251. VENKATAKRISHNAIYA, N. S. Ephelis on two new hosts [Isachne elegans and Eragrostis tenuifolia]. *Cur. Sci.* 15:260-261, illus. Sept.1936. 475 Sci23
- Grasses found infected with Ephelis oryzae in Mysore and Bangalore, India.
2252. VENKATAKRISHNAIYA, N. S. Perfect stage of Sclerotium rolfsii Sacc. causing pseudostem-rot of plantain (Musa sapientum). *Cur. Sci.* 15:259, illus. Sept. 1946. 475 Sci23
- A rot of banana found in Mysore, Bangalore and Tumkur Districts, India.
2253. VENKATARAMANI, K. S. A note on a leaf disease of rubber in south India. *Planters' Chron.* 44:581. Nov. 1949. 22 P683
- Caused by Helminthosporium heveae.
2254. VENKATARAYAN, S. V. Coffee black bean. *Cur. Sci.* 7:113-114, illus. Sept.1938. 475 Sci23
- Diseased samples collected in the Mysore State, India.
2255. VENKATARAYAN, S. V. Diseases of ragi (Eleusine coracana). *Mysore Agr. J.* 24:50-57. 1945/46. 22 M993
- Discusses leaf blight and foot rot, blast, smut, green ear and mosaic diseases.
2256. VENKATARAYAN, S. V. Mosaic disease of Malvastrum coromandelianum Garcke. *Cur. Sci.* 16:347-348, illus. Nov.1947. 475 Sci23
2257. VENKATARAYAN, S. V. Mosaic disease of ragi (Eleusine coracana Gaertn.). *Cur. Sci.* 15:256-259, illus. Sept. 1946. 475 Sci23
- In the Madras Presidency and the Mysore State, India.
2258. VENKATARAYAN, S. V. Smut on the matsedge, Cyperus pangorei, Rottb. *Cur. Sci.* 18:13, illus. Jan.1944 475 Sci23
- Cintractia sp.
2259. VERA P., L. El lacco copro "50" una promesa para controlar el chumusco. *Tierra [Mex.].* 2:269-272, illus. May 1947. 8 T449
- Experiments in the control of leaf spot or sigatoka disease of banana caused by Cercospora musae.
2260. VERGANI, A. R. La transmisión de la "lepra explosiva" de la ligustrina por los ácaros. *Rev. Argentina de Agron.* 9:292-294, illus. Dec. 1942. 9 R327
- Leaf spot disease of Ligustrum sinense transmitted by Tenuipalpus pseudocuneatus.
2261. VERGANI, A. R. Transmisión y naturaleza de la "lepra explosiva" del naranjo. *Argentina. Inst. de Sanid. Veg. P., Ser. A.* 1(3), 10 p., illus. 1945. 464.9 Ar323
- Leaf spot disease of orange transmitted by Tenuipalpus pseudocuneatus.
2262. VERMA, G. S. The occurrence of Cystopus ipomoeae-panduratae (Schw.) Swingle on Ipomoea pestigridis Linn. *Cur. Sci.* 6:99, illus. Sept.1937. 475 Sci23
- In India.
2263. VIDAL, L. F. El mosaico de la caña de azúcar. *Rev. de Agr. y Com. [Dominican Repub.].* 28:55-58, 133-135, 189-195. Feb., Mar., Apr. 1937. 8 R323
- [I]. Las cuatro especies de cañas principales. [II]. Causa, carácter y consecuencia de la enfermedad. Modo de propagación. Sus efectos en el rendimiento de las cosechas. [III]. (Has various titles).
- Also in *Agricultura [Bogotá]* 9:203-223. Oct.1937. 9.4 In22
2264. VIEGAS, A. P. Alguns fungos da mandioca. I-II. *Brasília 3:1-19, 21-29, illus. Jan., Feb. 1943.*
- 102.5 B737b
- In Brazil.
2265. VIEGAS, A. P., and TEIXEIRA, C. G. Alguns fungos de Minas Gerais. *Rodriguésia* 9(19):49-56. Sept./Dec.1945. 442.2 R61
- Description of fungi in Brazil.
2266. VIEGAS, A. P. Alguns fungos do Brasil. [I]-XIII. *Brasília 3:223-269; 4:5-392, 739-762; 5:1-144, 197-212, 239-251, 253-290, 583-595, 717-779; 6:1-37, 353-442, illus. 1943-46. 102.5 B737b*
- A. R. Teixeira, joint author. [I].
- Ustilaginales; II. Phymocetozes; III. Ascomycetes; III. Uredinales; IV. Uredinales; V. Basidiomycetes - Articulariales; VI. Dactyromycetaceae - Tremellaceae; VII-VIII. Cyphellaceae e Thelephoraceae; IX. Agaricales [title only]; X. Gastromycetes; XI. Fungi imperfecti (Sphaeropsidales); XII. Fungi imperfecti - Melanconiales; XIII. Hifomycetes.
2267. VIEGAS, A. P. Alguns fungos do cerrado. *Brasília 3:49-72, illus. Apr. 1943. 102.5 B737b*
- New species: Nectria erythroxylifoliae, Puccinia erythroxylifolia, Diplocheilia indiat, Septoidium didymopanicis in Brazil.
2268. VIEGAS, A. P., and KRUG, H. P. Desenvolvimento de uma espécie de Elsinoe. *J. Agron. São Paulo* 2:277-284, illus. July/Aug.1939. 9.2 J764
- English summary.
- On Mimosa sp.
2269. VIEGAS, A. P. Manchas das folhas da mandioca, produzidas por cercosporas. *Brasília 1:233-248, illus. [col.]. Mar. 1941. 102.5 B737b*
- I. Mancha parva das folhas da mandioca, causada por Cercospora heningsii Allesch. II. Mancha branca das folhas da mandioca, causada por Cercospora caribaea Ciferri.
2270. VIEGAS, A. P. A murcha da bananeira ou mal do Panamá. *Rev. de Agr. [Piracicaba]* 14:225-226. May/June 1939. 9.2 R324
- Banana wilt caused by Fusarium oxysporum var. cubense.
2271. VIEGAS, A. P. A murcha do algodoeiro. *Rev. de Agr. [Piracicaba]* 14:449-556, illus. Nov./Dec.1939. 9.2 R324
- Wilt of cotton caused by Verticillium albo-atrum, Fusarium vasinfectum.
2272. VIEGAS, A. P. Notas sobre o carvão (Urocystis hyxidialis Thaxter) de Hypoxis decumbens. *Rev. de Agr. [Piracicaba]* 14:299-307, illus. July/Aug. 1939. 9.2 R324
2273. VIEGAS, A. P. Notas sobre Polyporus sapurema Möller. *Rodriguésia* 6(15):57-60, illus. June 1942. 442.8 R61
- A fungus associated with banana diseases.
2274. VIEGAS, A. P. Notas sobre Septobasidium pseudopedicellatum Burt o causador dum dos feltrons dos citrus no estado de São Paulo. *São Paulo Inst. Agron. Campinas B. Tec.* 79, 7 p., illus. 1940. 102.5 B737a
2275. VIEGAS, A. P. Notas sobre Septobasidium saccardinum (Rangel) Marchionato. *São Paulo Inst. Agron. Campinas B. Tec.* 60, 12 p., illus. 102.5 B737a
- Septobasidium saccardinum on tung-oil tree.
2276. VIEGAS, A. P. Notas sobre três fungos brasileiros. *Brasília 3:31-48, illus. Mar. 1943. 102.5 B737b*
- Pleophragmia manihoticola n. sp., Catacauma myrciae, Piedra hortai.
2277. VIEGAS, A. P. A ocorrência de Helicobasidium compactum, no estado de São Paulo. *J. Agron. São Paulo* 3:273-278, illus. Dec.1940. 9.2 J764
2278. VIEGAS, A. P. A ocorrência de Rosellinia bu-nodes em Ubatuba, estado de São Paulo. *J. Agron. São Paulo* 3:327-328, illus. Sept./Oct.1939. 9.2 J764
2279. VIEGAS, A. P., and CARDOSO, L. Queirozia, nova genero da familia Erysiphaceae. *Soc. Bras. de Agron. B.* 7:1-6, illus. Mar.1944. 9.2 Sol3
- Queirozia turbinata on leaves of Platycamys regnellii.
2280. VIEGAS, A. P. Stalagmites fumefaciens (Sydow) Theissen e Sydow, um interessante fungo campeiro. *Brasília 3:133-135. June 1943. 102.5 B737b*
2281. VIEGAS, A. P. Toledella nov. gën. da familia Phyllachoraceae. *Brasília 3:123-129, illus. June 1943. 102.5 B737b*
- Describes T. fusispora n. gen. and sp., parasitizing leaves of members of the Myrtaceae.
2282. VIEGAS, A. P. Tomentella bambusina, n. sp., causadora da seca do bambu. *J. Agron. São Paulo* 2:313-326, illus. Sept./Oct.1939. 9.2 J764
- A new root and shoot rot of bamboo (Bambusa vulgaris) observed in São Paulo, Brazil.
2283. VIEGAS, A. P. Uma variedade de Septobasidium castaneum Burt. *São Paulo Inst. Agron. Campinas B. Tec.* 73, 7 p., illus. 1940. 102.5 B737a
- Septobasidium castaneum var. draconianum associated with undetermined insect on bark of Croton urucurana e Inga sp.
2284. VIEGAS, G. P. Tratamentos de sementes de milho. *Brasília 5:145-151. Feb.1945. 102.5 B737b*
- Experimental results.
2285. VIEIRA, J. T. "Lagartão ou vassoura de bruxa." *Soc. Bras. de Agron. B.* 5:393-400. Dec.1942. 9.2 Sol3
- Witches broom of cacao caused by Marasmius pernicius.
- Also in *Brasília. Min. da Agr. B.* 31:39-45. Nov.1942. 9.2 Ag83
2286. VIGLIANO, I. C. El fermentado del maíz, sus clases y sus causas. *Soc. Rur. Argentina. An.* 73:703-704, 707-708, illus. Aug.1939. 9 Sol1
- Ear, stalk, and root rots caused by Diplodia zeae and D. maydis.

2287. VILLALON GUEVARA, J. Enfermedades y plagas de la papa. Tierra [Mex.] 3:261-264, 307. Apr. 1948. 8 T445
- Diseases of potato, p. 261-263, illus.
2288. VIMUKTANANDANA, Y. Y., and CELINO, M. S. Anthracnose of black pepper (*Piper nigrum* Linn.). Philippine Agr. 29:124-141, illus. July 1940. 25 P542
2289. VITORIA, E. R., and ALCALDE LASALLE, A. J. El "arrugamiento viroso" de la vid. Argentina. Dir. Gen. de Labs. e Invest. Rev. de Invest. Agr. 3:1-26, illus. Jan. 1949. 9 R329
- California disease of grape.
- Results of experimental work "en el Laboratorio de Fitopatología de Mendoza, del Ministerio de Agricultura de la Nación."
2290. VITORIA, E. R. El desarrollo de Fusarium avenaceum influido por el filtrado del substrato de *Penicillium* sp. Rev. Argentina de Agron. 6:309-314, illus. Dec. 1939. 9 R327
- Method for the development of Fusarium avenaceum.
2291. VITORIA, E. R., and CERESA, M. C. D. Eficacia de los tratamientos "antiperonosporícos" a base de sales de cobre, en la provincia de Mendoza. Rev. Argentina de Agron. 12:30-37. Mar. 1945. 9 R327
- Trabajo del Laboratorio de Fitopatología de Mendoza, Instituto de Sanidad vegetal durante el año 1943-44.
- Control of downy mildew of grape caused by *Plasmopara viticola*.
2292. VITORIA, E. R. Las enfermedades de virus del tomate en Mendoza. Cien. e Invest. 3:355-365, illus. Sept. 1947. 475 C482
- In Argentina.
2293. VITORIA, E. R. La "estria negra" del tomate. Argentina Inst. de Sanid. Veg. [P] Ser. A, 2(14), 20 p., illus. 1946. 464.9 Ar323
- Streak disease of tomato in Argentina "caused by a mixture of viruses, its components being: Nicotiana virus 1 and Solanum virus 1."
2294. VITORIA, E. R., CERESA, M. C. D., and ALCALDE LASALLE, A. J. Metodo para valorar el ataque de la "peronospora" de la vid. Argentina. Dir. Gen. de Labs. e Invest. Rev. de Invest. Agr. 1:261-268. Oct. 1947. 9 R329
- English summary.
2295. VOELCKER, O. J., and WEST, J. Cacao die-back. Trop. Agr. [Trinidad] 17:27-31, illus. Feb. 1940. 26 T754
- In the Gold Coast and Nigeria.
2296. VOELCKER, O. J., and WEST, J. Swollen shoot and die-back of cacao. Trop. Agr. [Trinidad] 19:83. May 1942. 26 T754
- In the Gold Coast.
2297. VOLLEMA, J. S. Enige waarnemingen over het optreden der bruine binnenbastziekte. Bergcultures 18: 243, 245. July 1, 1949. 22.5 B45
- A disease of the Pará rubber tree (*Hevea brasiliensis*) in Sumatra.
2298. VOLLEMA, J. S. Wortelschimmels bij rubber en thee. Bergcultures 11:1518-1530, illus. Oct. 23, 1937. 22.5 B45
- Ganoderma pseudofereum, causal organism.
2299. VOLOSKEY DE HERNANDEZ, D. Algo sobre los polvillos colorados. Simiento 14(1):37-38. Jan./Mar. 1944. 9.3 S44
- Puccinia graminis tritici.
2300. VOLOSKEY DE HERNANDEZ, D. Desinfectantes del "carbón de la cebada." Chile. Dir. Gen. de Agr. Agr. Tec. 5:37-47. Jan./June 1945. 464.9 C432B
- English summary.
- On the control of barley smut (*Ustilago hordei*). Results of experiments carried on for four years at the Paine Plant Breeding Station and for two years at another Chilean Plant Breeding Station.
2301. VOLOSKEY YADLIN, D. Identificación de razas fisiológicas del Puccinia graminis tritici y P. trititica, algunos estudios efectuados en Chile. Chile. Dir. Gen. de Agr. Agr. Tec. 5: 70-78. Jan./June 1945. 464.9 C432B
2302. VOLOSKEY YADLIN, E. Obtención de resistencia a la "marchitez del ají." Simiento 14(3/4):19-22, illus. 1945. 9.3 S44
- Fusarium on redpepper in Chile.
2303. VOLP, P. The ineffectiveness of roguing leaf scald infected fields for use as a source of planting material. Queensland Soc. Sugar Cane Technol. Proc. 14:99-101. 1947. 65.9 Q332
- Disease of sugarcane.
2304. VOLP, P. Some effects of leaf-scald disease in the Mulgrave area. Queensland Soc. Sugar Cane Technol. Proc. 15:171-174. 1948. 65.9 Q332
- Sugarcane.
2305. WALKER, E. M. "Pink disease" in rubber: its symptoms, effects and prevention. Brit. Trade J. 77(921): 17-18, illus. Oct. 1939. Libr. Cong.
- Found in all tropical countries. Caused by fungus, Corticium salmonicolor.
2306. WALLACE, G. B. Bacterial soft rot of vegetables. East African Agr. J. 14:34-35, illus. July 1948. 24 Ea74
- Disease caused by Bacterium carotovorum; observed in Tanganyika Territory.
2307. WALLACE, G. B. Defoliation of crops by a gemmitiferous fungus. East African Agr. J. 14:141-143, illus. Jan. 1949. 24 Ea74
- An unidentified basidiomycete on tea, coffee, and eucalyptus.
2308. WALLACE, G. B., and WALLACE, M. M. Diseases of papaw and their control. East African Agr. J. 13:240-244, illus. Apr. 1948. 24 Ea74
- Discusses Pythium root rot, Armillaria root rot, mosaic disease, mildews, leaf and fruit spot, fruit rot, and anthracnose.
2309. WALLACE, G. B. Diseases of papaws. East African Agr. J. 9:175-176. Jan. 1944. 23 Ea74
- A root, stem and fruit rot of papaws in the Northern Province of Tanganyika Territory caused by a phythaeous fungus, a species of either Phythium or Phytophthora.
2310. WALLACE, G. B. French bean diseases and bean fly in East Africa. East African Agr. J. 5:170-175. Nov. 1939. 24 Ea74
- Halo spot observed in Tanganyika Territory; caused by Phytomonas medicaginis var. phaseolicola.
2311. WALLACE, G. B. Irish blight [late blight] recorded on tomato. East African Agr. J. 10:128. Oct. 1944. 24 Ea74
- At Lyarungu in the Moshi District of Tanganyika Territory, in October 1944.
2312. WALLACE, G. B. Krommek disease. East African Agr. J. 13:103-106, illus. Oct. 1947. 24 Ea74
- The appearance of this virus disease on tobacco and sunflower plants in the south-western part of Tanganyika Territory.
2313. WALLACE, G. B., and WALLACE, M. M. A list of plant diseases of economic importance in Tanganyika Territory. Commonwealth Mycol. Inst. Mycol. Papers 26. 26 p. Jan. 26, 1949. 451 Im73M
- A combination of previous lists published in the East African Journal, including some additions and amendments, for the period 1925-48.
2314. WALLACE, G. B. A non-parasitic disease of Arabica coffee. East African Agr. J. 4:365-368, illus. Mar. 1939. 24 Ea74
- Probably due to improper methods of planting.
2315. WALLACE, G. B. Plant diseases spread by bugs. East African Agr. J. 4:268-271. Jan. 1939. 24 Ea74
- Notes on internal disease of cotton bolls, coffee bean disease and yeast spot of legumes.
- Includes list of host plants.
2316. WALLACE, G. B. A revised list of plant diseases in Tanganyika Territory. East African Agr. J. 2: 305-310. Jan. 1937. 24 Ea74
2317. WALLACE, G. B., and WALLACE, M. M. Supplement to the revised list of plant diseases in Tanganyika Territory. East African Agr. J. 10:47-49. July 1944. 24 Ea74
- Second supplement in East African Agr. J. 13:61-64. July 1947.
2318. WALLACE, G. B., and WALLACE, M. M. Tomato [late] blight. East African Agr. J. 10:181-182. Jan. 1945. 24 Ea74
- In Tanganyika Territory the causal organism is Phytophthora infestans.
2319. WALLACE, G. B. Yellow bean mosaic and notes on other bean diseases. East African Agr. J. 7:114-115. Oct. 1941. 24 Ea74
- In Tanganyika Territory.
2320. WALLACE, M. M. Ascochyta blight of cotton. East African Agr. J. 14:10-11, illus. July 1948. 24 Ea74
- Caused by Ascochyta gossypii in Tanganyika Territory.
2321. WALLACE, M. M. Sclerotinia disease of beans and other crops. East African Agr. J. 9:171-172. Jan. 1944. 24 Ea74
- Disease of the French bean in Tanganyika Territory produced by Sclerotinia sclerotiorum.

2322. WARD, F. S. *Cercospora* leaf spot of bananas. *Jamaica Agr. Soc. J.* 42:23-34, illus. Jan./Feb. 1938.
8 J223
Cercospora musae.
Printed as *Jamaica. Dept. Sci. & Agr. B.* 15, 7 p. 1938.
- 8 J227B
2323. WARD, F. S. Factors affecting the control of *Cercospora* musae. *Jamaica Agr. Soc. J.* 43:483-487. Oct. 1939. 8 J223
Leaf spot of banana.
2324. WARD, K. M. Little-leaf, a functional disorder of apple trees at Stanthorpe. *Queensland Agr. J.* 51:458-473, illus. May 1939. 23 Q33
2325. WARD, K. M. The treatment of little-leaf of deciduous fruit trees. *Queensland J. Agr. Sci.* 1:59-76, illus. Dec. 1944. 23 Q37
Application of zinc by means of spraying experiments and soil treatments.
2326. WARDLAW, C. W., and LEONARD, E. R. Anti-septic and other treatments in the storage of Trinidad citrus fruits. *St. Augustine, Trinidad. Imp. Col. Trop.-Agr. Low Temp. Res. Sta. Mem.* 5, 27 p., illus. Apr. 1937. 295 S 2a
With an appendix: Mycological notes on citrus wastage, by R. E. D. Baker, p. 24-27.
2327. WARDLAW, C. W. Banana diseases. I-XIII. *Trop. Agr. Trinidad* 8:227-230, 293-298, 327-331; 9:366-10: 6:11-8:13, 13-15, 143-149, 173-175; 14:117-118, 279-280; 15: 276-282; 17:124-127, illus. 1931-40. 26 T754
I. Observations on botryodiplodia fruit rot of the banana [B. theobromae]. II. Notes on "cigar-end" (*Strachylidium theobromae* Turc.). III. Notes on the parasitism of *Gloeosporium musarum* (Cooke and Massee). IV. Notes on "black-tip" disease in Trinidad: *Helminthosporium torulosum* (Syd.) comb. nov. Ashby. V. *Fusarium* tip-rot of immature Cavendish fruits. VI. The nature and occurrence of pitting disease and fruit spots. VII. Notes on banana leaf diseases in Trinidad. VIII. Notes on various diseases occurring in Trinidad. IX. The occurrence of Sigatoka disease (*Cercospora musae* Zimm.) on bananas in Trinidad. X. Further observations on *Cercospora* leaf spot of bananas. XI. Notes on some plantation diseases in Guadeloupe. XII. Diseases of the banana in Haiti, with special reference to a condition described as "plant blight". XIII. Further observations on the condition of banana plantations in the Republic of Haiti.
2328. WARDLAW, C. W. The banana in Central America. *Nature [London]* 147:313-316, 344-349, illus. 1941. 472 N21
Contents. I. Cultivation. II. The control of *Cercospora* leaf disease. III. Panama disease.
Reprinted in *Trop. Agr. [Trinidad]* 18:157-163, illus. Aug. 1941. 26 T754
2329. WARDLAW, C. W. Banana research at the Imperial College of Tropical Agriculture, Trinidad, B.W.I. *Roy. Soc. Arts. J.* 90:644-655. Sept. 4, 1942. 501 L847J
Includes work on Panama disease and *Cercospora* leaf spot.
2330. WARDLAW, C. W., LEONARD, E. R., and BARNELL, H. R. Banana orange investigation 1937-39. *Trop. Agr. [Trinidad]* 16:130-142, illus. June 1939. 26 T754
The effect of *Cercospora* leaf disease on storage behaviour of bunches: p. 135-137.
2331. WARDLAW, C. W. *Cercospora* leaf spot disease of bananas. *Nature* 144:11-14, illus. July 1, 1939. 472 N21
In Trinidad.
2332. WARDLAW, C. W. Control of banana wilt disease [*Fusarium oxysporum* cubense]. *Nature [London]* 160: 408. Sept. 20, 1947. 472 N21
Refers to an experiment in Honduras of growing bananas on new land "built up by the sedimentation of corralled flood water." Of interest to those associated with the alluvial lands of Central America.
2333. WARDLAW, C. W. Infectious chlorosis of bananas in the Cameroons. *Nature [London]* 162:894. Dec. 4, 1948. 472 N21
2334. WARDLAW, C. W., BAKER, R. E. D., and CROWDY, S. H. Latent infections in tropical fruits. *Trop. Agr. Trinidad* 16:275-276. Dec. 1939. 26 T754
Storage and transportation rots.
2335. WARDLAW, C. W., LEONARD, E. R., and BARNELL, H. R. Metabolic and storage investigations on the banana. *St. Augustine, Trinidad. Imp. Col. Trop. Agr. Low Temp. Res. Sta. Mem.* 11, 61 p., illus. Sept. 1939. 295 S 2a
The effect of *Cercospora* leaf disease on the storage behavior of bunches, p. 36-42.
2336. WARDLAW, C. W. Report on a visit to the banana producing areas of Dominica. *Dominica Dept. Agr. Rpt.* 1936:27-29. 1937. 102 W523
Recommendations for the control of Panama disease of banana.
2337. WARDLAW, C. W. Storage investigations with Trinidad avocados, 1938. *Trop. Agr. [Trinidad]* 16:28-30. Feb. 1939. 26 T754
Fungal wastage slight, due chiefly to anthracnose spotting (*Colletotrichum gloeosporioides*).
2338. WARDLAW, C. W. The storage of tropical fruits. *Trop. Agr. [Trinidad]* 15:171-173. Aug. 1938. 26 T754
Mention is made of wastage due to storage and transportation rots, with reference to bananas, citrus, avocados, mangoes, and pawpaws.
2339. WATERSTON, J. M. Observations on the parasitism of *Rosellinia pepo* Pat. *Trop. Agr. [Trinidad]* 18:174-184, illus. Sept. 1941. 26 T754
Soil analysis experiments in Trinidad and Grenada.
2340. WEBBER, H. J. A doença da "tristeza" do porta-enxerto de laranja-azedo. *Biológico* 9:345-355. Oct. 1943. 442 B 529
2341. WEHMEYER, L. E. Las especies de *Diaporthe* en el herbario Spezzigini. *La Plata Mus. Rev. n. s.*, Sec. Bot. 2:65-88, illus. Oct. 18, 1938. 516 L31Rb
Traducción del original, por Juan C. Lindquist.
Addenda a las *Diaporthe* del herbario Spezzigini. *La Plata Mus. Notas. Bot.* 3 (Bot. 19):99-102. 1938. 451 L31
2342. WEIJ, H. G. VAN DER. Kan de slijmziekte zich horizontaal door de grond verspreiden? *Deli Proefsta. te Medan, Meded.* (ser. 3) 10:14-25. 1940. 109 S D37
English summary.
Pseudomonas solanacearum, causal organism.
2343. WEIJ, H. G. VAN DER. Desinfectie tegen tabaksmosaik. *Deli Proefsta. te Medan, Meded.* (ser. 3) 6, 22 p. 1940. 109 S D37
English summary.
In Sumatra.
2344. WEIJ, H. G. VAN DER. Nieuwe elementen in de braaklandflora van het delische tabaksgebied en hun betekenis voor het slijmziekte-vraagstuk. *Deli Proefsta. te Medan, Meded.* (ser. 3) 10:14-25. 1940. 109 S D37
English summary.
Pseudomonas solanacearum, causal organism.
2345. WEIJ, H. G. VAN DER. Ontbrekende bibit en slijmziekte in de aanplant. *Deli Proefsta. te Medan, Meded.* (ser. 3) 10:3-10. 1940. 109 S D37
English summary.
Pseudomonas solanacearum.
2346. WELLBORN, V. Clorosis de los cafetos (amarillez de las hojas). *Café de Salvador* 10:187-191, illus. Feb. 1940. 68.28 C112
2347. WELLBORN, V. Enfermedades del mosaico. *Café de El Salvador* 10[i.e.] 9:721-740, illus. Nov. 1939. 68.28 C112
Of tobacco, sugarcane, cotton, and potato.
Also in *Inst. de Defensa del Café de Costa Rica. Rev.* 9:171-179. Dec. 1939. 68.25 C82; [Santa Clara, Cuba] Junta Prov. de Agr. y Com. B. de Inform. Agr. 13:12-18, illus. Jan./Feb. 1940. 8 S 53
2348. WELLBORN, V. Enfermedades maculíferas del follaje de los cafetos. *Rev. Cafetal. de Guatemala* 2, 12 p., illus. (col.) May/June 1946. 68.28 R322
2349. WELLBORN, V. Extenuación perniciosa en el café (paloteo pernicioso, anemia perniciosa, die back). *Café de Salvador* 10:817-823, illus. Dec. 1940. 68.28 C112
Due to nutritional deficiencies.
2350. WELLBORN, V. La necrosis de los cafetos. *Café de Salvador* 10:484-500. July 1940. 68.28 C112
Discussion of coffeetree phloem necrosis in Liberia and Surinam; investigations on insect transmission.
2351. WELLBORN, V. Nueva observación sobre enfermedades e insectos dañinos del café. *Inst. de Defensa del Café de Costa Rica. Rev.* 9:336-339. Feb./Mar. 1940. 68.28 C82
Brown rot and leaf roll.
2352. WELLBORN, V. Sobre unas enfermedades que atacan las hojas de los cafetos. *Café de El Salvador* 10 [i.e.] 9:655-669, illus. Oct. 1939. 68.28 C112
Mal de hilachos (*Corticium* sp.); Manchas blanquecinas del café (causada por líquenes *Strigula*?); Manchado seco de la hoja (*Leucoptera coffeella*).
Also in *Inst. de Defensa del Café de Costa Rica. Rev.* 9: 421-425. Apr. 1940. 68.28 C82
2353. WELLBORN, V. Tumor canceroso de las plantas (crown galls, gallias en corona). *Café de Salvador* 10: 437-446, illus. June 1940. 68.28 C112
A general discussion of a disease caused by *Phytophthora tumefaciens*.

2354. WELLMAN, F. L. Anotaciones sobre el problema de las enfermedades de las plantas en El Salvador. I-XXXV. Café de El Salvador 16:383-387, 469-472, 627-631, 767-772, 889-895, 991-1001, 1077-1081. 1946. 68.28 C112
Contents: I, Introduction; II, Carbon del maíz; III, "Damping off" o "mal del tallo" en los semilleros de café; IV, Podredumbre negra y decaimiento del repollo; V, Moho en la hoja del tomate; VI, Enfermedad de la hoja de la cebolla y el puerro; VII, Podredumbre del cogollo del cocotero; VIII, "Dieback" del madrecacao; IX, Podredumbre mucosa de las legumbres; X, Mosaico en la caña de azúcar; XI, Manchas en las hojas del frijol negro; XII, Mancha negra de los rosales; XIII, Ataque de nematodos a las raíces de los semilleros de café; XIV, La sigatoka del banano; XV, Manchas de la café de zanahoria; XVI, Utilidad de usar nombres científicos para designar los organismos patógenos; XVII, Anthracosis del mango; XVIII, Matapalo de flores rojas; XIX, Gomis del naranjo dulce; XX, Decaimiento del sistema radicular del tomate; XXI, Úlcera en la vaina de la chilipuca; XXII, Mancha foliar del granado; XXIII, Dos importantes manchas de foliaje en los almacigos de café; XXIV, Podredumbres de las naranjas; XXV, Asperosones contra las enfermedades de las plantas; XXVI, Mildew pulverulento del pepino; XXVII, Vigor de las plantas y su resistencia a las enfermedades; XXVIII, Daños en las hojas del café causados por arácnidos; XXIX, Estudio de los parásitos de las plantas en el laboratorio; XXX, Enfermedad del moho en el maíz; XXXI, La colección de especímenes patógenos de las plantas; XXXII, Tizón del maicillo o sorgo; XXXIII, Observaciones sobre las enfermedades de las plantas producidas por virus; XXXIV, Marchitez del tomate producida por Fusarium; XXXV, Conclusion.
2355. WELLMAN, F. L. Enfermedades corrientes del café en los países productores de América. In Inter-Amer. Coffee Bd. Estudio de la situación de café. Apéndice "C". 29 p. 1948. 26.368 in6As
In Central and South America.
2356. WELLMAN, F. L. Informe sobre las actividades del Centro Nacional de Agronomía de El Salvador, de julio 10, 1943 hasta julio 10, 1944. Diario Oficial de El Salvador 137(210):2891-2894. Sept. 22, 1944. (Libr. Cong.)
2357. WELLMAN, F. L. A list of maize diseases from a limited area in Costa Rica. Plant Dis. Rptr. 33: 81-85. Feb. 15, 1949. 1.9 P69P
2358. WELLMAN, F. L. Una mancha negra de henequén. Sisal de Yucatán 5(54):6-7, 30; (55):6-7, 26. June, July 1944. 73.8 Si83
Translation and notes by Augusto Perez Toro.
Produced by Diplocladia theobromae.
2359. WELLMAN, F. L. Observations on coffee root rot in El Salvador. Plant Dis. Rptr. 30:247-252. July 15, 1946. 1.9 P69P
Cause undetermined.
2360. WELLMAN, F. L., and MONTERO, J. J. Propagación del "ojo de gallo" por la lluvia, en las fincas de café. Suelo Tico 2:13-16. Feb./Mar. 1949. 8 Su2
Este estudio se llevó a cabo en Costa Rica como parte de un proyecto cooperativo de tres Instituciones: El Ministerio de Agricultura del Gobierno de Costa Rica; la Oficina de Relaciones Exteriores Agrícolas del Departamento de Agricultura y el Comité Interdepartamental de los Estados Unidos de América; y el Instituto Interamericano de Ciencias Agrícolas.
American coffee leaf disease caused by the fungus *Omphalia flavidia*.
2361. WELLMAN, F. L. Reporte acerca del adelanto de los estudios sobre las podredumbres radiculares del café en El Salvador. Café de El Salvador 16:105-117. Feb. 1946. 68.28 C112
2362. WELLMAN, F. L. Successful spray control of Alternaria blight of Petunias grown for seed in Costa Rica. Plant Dis. Rptr. 33:69-72. Feb. 15, 1949. 1.9 P69P
2363. WELLMAN, F. L. Trip to consult on cacao problems in Ecuador. Inter-Amer. Inst. Agr. Sci. Cacao Inform. B. 1(25). 4 p. Nov. 1949. 6.8 S8 C11
From a report written September 1, 1949, for the Complementary Crops Division, Technical Collaboration Branch, Office of Foreign Agricultural Relations, U. S. Department of Agriculture.
Work centered at the cooperative station in the Hacienda Pichilingue, near the town of Quevedo, 1949. The most important diseases proved to be witches broom and 6 different pod rots.
2364. WEST, J. The control of leaf curl of tobacco in southern Nigeria. West African Agr. Conf. Proc. 3(1-Nigeria):205-206. 1938. 27 W52
2365. WEST, J., and VOELCKER, O. J. Plantation cacao in the British Cameroons. Trop. Agr. [Trinidad] 19:4 illus. (map) Jan. 1942. 26 T754
Includes section on black pod disease, p. 8-10.
2366. WEST, J. A preliminary list of plant diseases in Nigeria. Kew Roy. Bot. Gard. B. Misc. Inform. 1938:17-23. 1939. 451 K51B
2367. WEST, P. La science contre la maladie du cacao. Courrier Agr. d'Afrique 12(10):1. May 14, 1947. 24 C83
A virus disease.
The campaign against swollen shoot, a virus disease of cacao on the Gold Coast.
- WEST AFRICAN CACAO RESEARCH INSTITUTE. See TAFO, GOLD COAST. COCOA RESEARCH STATION.
2368. WHETZEL, H. H. A new genus and new species of brown-spored imperfect discomyces from Panama. Mycologia 34:584-591, illus. Sept./Oct. 1942. 450 M89
Martina (M. panamensis)
2369. WICKENS, G. M. A new and serious disease of tobacco in S. Rhodesia. Rhodesia Agr. J. 35:181-184, illus. Mar. 1938. 24 R34
Preliminary note. "All the experimental evidence so far obtained points to this being a virus disease transmitted by the aphid *Myzus persicae*."
Reprinted as South. Rhodesia. Dept. Agr. & Lands B. 1063. 4 p., illus. Mar. 1938. 24 R345
2370. WICKENS, G. M. Rosette disease of tobacco. Field observations and suggestions for control. Rhodesia Agr. J. 35:842-849. Nov. 1938. 24 R34
Caused by a virus.
2371. WICKENS, G. M. Smut diseases of wheat in Southern Rhodesia. Rhodesia Agr. J. 34:271-276. Apr. 1937. 24 R34
2372. WIEHE, P. O. L'influence de la saison et des engrais potassiques sur le développement du "eye spot" de la canne à sucre. Rev. Agr. del Ile Maurice 19:57-61, illus. Sept./Oct. 1940. 24 M44
Produced by *Helminthosporium ocellum*.
2373. WIEHE, P. O. Le "knife cut" du cocotier. Rev. Agr. del Ile Maurice 19:101-103, illus. Nov./Dec. 1940. 24 M44
Cause undetermined.
2374. WIEHE, P. O. La maladie de la racine sur la P. O. J. 2878. Rev. Agr. del Ile Maurice 19:8-11, illus. Jan./Aug. 1940. 24 M44
Comparison of various species of fungi and nematodes causing disease of sugarcane.
2375. WIEHE, P. O. La morve rouge de la canne à sucre. Rev. Agr. del Ile Maurice 20:198-202, illus. July/Aug. 1941. 24 M44
Colletotrichum falcatum.
2376. WIEHE, P. O. Un nouvel hôte de la mosaïque du tabac à Maurice Rev. Agr. del Ile Maurice 106:101. July/Aug. 1939. 24 M44
Mucuna deeringiana.
2377. WIEHE, P. O. The plant diseases and fungi recorded from Mauritius. Commonwealth Mycol. Inst. Mycol. Papers 24, 39 p. Dec. 8, 1948. 451 Im73M
Contents: I, Introduction; II, Annotated list of plant diseases; III, List of plant diseases from Rodriguez and the Chagos Archipelago; IV, List of virus diseases arranged in alphabetical order of host plants; V, List of bacterial plant pathogens; VI, Annotated list of fungi including saprophytes; VII, Common names of plants with their botanical equivalents; VIII, Bibliography.
2378. WIEHE, P. O. Results of some experiments on smut of sugarcane in Mauritius. Rev. Agr. del Ile Maurice 28:7-11. Jan./Feb. 1949. 24 M44
Work performed at the Pamplonaises Experimental Station, 1939-41.
2379. WIEHE, P. O. La sensibilité de quelques variétés de canne aux principales maladies existant à Maurice. Rev. Agr. del Ile Maurice 21:225-226. Sept./Oct. 1942. 24 M44
Diseases referred to are gummosis, leaf scald, red rot, root disease, smut, chlorotic streak and eyespot.
2380. WIESEL, C. Enfermedades de la cebolla almacenada. Rev. Agr. [Costa Rica] 14:17-125. Mar. 1942. 8 Es1
Storage and transportation rots.

2381. WILLE, F. E., and GARCIA RADA, G. Los insectos y las enfermedades del lino. [Peru] Min. de Fomento. Dir. Agr. y Ganad. Informe 54, 19 p., illus. (pt. col.) Apr. 1942. 102.5 L622in
- Las enfermedades del lino, p. 11-19, by García Rada.
2382. WILLIAMS, T. L. Progress made in the production of varieties of cassava resistant to mosaic disease. West African Agr. Conf. Proc. 3 (1-Gold Coast): 45-60. 1938. 27 W52
- Investigational work begun in 1935.
2383. WIMBUSH, S. H. Canker on Monterey cypress in Kenya. Empire Forestry J. 23:74, July 1944. 99.8 Em72
2384. WOLF, F. A. Downy mildew of tobacco in Brazil. Phytopathology 29:291. Mar. 1939. 464.8 P56
2385. WOLF, F. T. An addition to the fungus flora of Barro Colorado Island. Brit. Mycol. Soc. Trans. 25:191-193. Nov. 10, 1941. 451 B76
- Mainly Alloscyces.
2386. WOLLENWEBER, H. W. "Sphaerella linicola" n. sp., die ursache der Amerikanischen leinpest (pasmoid "Septoria"-krankheit). Lilloa 2:483-496, illus. 1938. 450 L622a
- Note concerning Sphaerella linorum n. sp., replacing Sphaerella linicola, on a supplemental unnumbered leaf.
2387. WOOLLEY, F. O. Eucalyptus. Rev. de Agr. [Brazil] 19:228-229. May/June 1944. 9.2 R324
- Investigation order to destroy diseased Eucalyptus plantings in Cotopaxi Province, Ecuador, to prevent spread of the disease, should be warning to Brazil.

2388. XAVIER DE ANDRADE, D. A "tristeza" dos citruss. Pernambuco Sec. de Agr., Indús. e Com. B. 12: 45-48. 1945. 9.2 P423
2389. YELLOWING symptoms in coffee. Kenya Coffee Bd. Monthly B. 12:82. July 1947. 68.29 C652
- Due to physiological factors.
2390. ZABALA, S. La podredumbre del pie del naranjo. Campo y Suelo Argentino 32(373):33-34, 36. Nov. 1947. 9 C15
- Gummosis of orange in Argentina, produced by Phytophthora parasitica.
2391. ZABALA, S., and DELLE COSTE, A. C. La presencia del mosaico común del tabaco en los cultivos de pimiento y tomate. Argentina. Inst. de Sanid. Veg. [P.] Ser. A. 3(28), 8 p., illus. 1947. 464.9 Ar323
2392. ZAPATA CASTRO, J. A. La antracnosis de la vid y su control en esta época. Agricultur [Concepción, Chile] 42(9/10):5. Sept./Oct. 1942. 9.3 Ag86
2393. ZAYAS, F. de and ACUNA, J. Experiencia sobre la causa de una clorosis seguida de quemaduras en las puntas de las hojas de fruta bomba. Rev. de Agr. [Cuba] 23(16):88-94, illus. Apr. 1940. 8 Ag89R
- Phylosticta caricae-papayae, causal organism.
2394. ZUNDEL, G. L. A new smut from southern Chile. Mycologia 30:679-680. Nov./Dec. 1938. 450 M99
- Ustilaginaceae G. P. Clinton, on Gunnera magellanica, collected by R. Thaxter, 1906.
2395. ZUNDEL, G. L. I. The Ustilaginaceae of South Africa. Bothalia 3:283-330. Apr. 1938. 460.46 B65
- Ustilaginaceae, Tilletiaceae.

INDEX OF NAMES*

Item	Item	Item	Item
Abalos R	15	Batas L S	482
Abrego L	608	Bitancourt A A	772 774
Acosta D R y. See Ramón y		775 778 1114 1116	
Acosta D		1117-1119 1121 1123	
Acuña J	2393	1124 1125 1127 1128	
Adsuar J	1856 1857	1887	1130
Agali J A	1705	Boock O J	1581
Agüero R	348	Botero R O. See Obregón	
Aiyappa M	1795	Botero B.	1024
Aleley R V	1453	Bourquet J	1022 1023
Alcalde Lassalle A J	2289	Brandão J S Filho. See Soares	
2294		Brandão J Filho.	
Alfaro Cardoso J G. See		Brandes E W	189
Cardoso J G A.		Briant A K	2038
Alibert H	1292 1293	Burton M G	1440
Allan F E	1028	Butler A F	1425
Alvim G B	1830	Calica C	16
Amaral J Franco do. See		Calinisan M R	1660
Franco do Amaral J		Campi M D	1933
Andrade A C de	1184	Campes A R	1976
Andrews F W	2085	Capón S A	2209 2212
Angell H R	1028	Cardon C E	2212
Arango O	655 2222	Cardona A N. See Navarro	
Arango R	348	Cardona A.	2279
Aréntes S S T	2105	Cardoso L	155
Armando García A	2101	Carnelero H	155
Averna Sacca R. See		Carriedo F M	204
Sacca R A		Carsner E	189
Aznarez M	796	Carvalho J C	1977
Bacchi O	831	Cash E K T de	1479
Bachy A	1025	Cash E K T de	1479
Badami V K	2040	Cash E K T de	1479
Baker R E D	340 642	Cash Smith W P	1761
1916 2326 2334		Cassell R C	2049
Bakshi B K	150	Castro J B de	1581
Balakrishnan M S	2136	Celino M S	743 1601
Baptist E D C	176	1606 1607 1918 2288	
Barclay C	615	Centro Nacional de Agronomía	
Barnell H R	2330 2335	El Salvador	2356 M A di.
Bartlett H H	1298	Ceresa M C D	2291 2294
Bary Anton de	1300	Chacravarti A S	1168
Basset A	1292 1293	Chardon C E	2241
Bates G R	1075 1397	Charmoy D d'Emmerze de	
Bell A F	1784	See Emmerze de Charmoy	
Benkeley W C	554	D.	
Berta J A	793	D'atterjee N I.	923
Bertelli J C	2157	Chaves Batista A. See	
Bertelli L K de 204	206	Batista A C.	
2209			
		Chona B L	2084
		Chowdhry K R R	1650
		Chupp C	1115 1432
		Ciccarone A	546 1523
		Clouston T W	2085
		Conant R K	1364
		Coons G H	189
		Correa A B. See Bernal	
		Correa A.	
		Costa S I	12 190 192
		Costa S A	924 964 1237 1464
		1465 1864	
		Costa Neto J P da. See Neto	
		J P C da.	
		Coste A C Delle. See Delle	
		Coste A C.	
		Coste A D	
		Cotterell G S	1441
		Couceiro E M	158
		Crandall B S	652 1370
		Cristóbal U L. See López	
		Cristóbal U.	
		Crowdy S H	133 134
		1762 2334	
		Cruz H M da	1235
		Dale W T	123 126 136
		1761	
		Dastur J F	481
		Davis W C	608 609
		De Fluiter H J. See Fluiter	
		H J de.	
		Deighton F C	1003 1009
		Delle Coste A C	2391
		Desai M K	2208
		Deslandes J	89
		Dhane G W	1683
		Dieguez C J	604
		Di Fonzo M A. See Fonzo	
		M A di.	
		Dowson W J	1065
		Drummond O A	25
		Drummond-Gonçalves R	91
		Duner A	665
		Dutt A T	923
		Dutt S C	1150
		Dwyer R E P	1568
		EEK T van	1502
		Emden J H van	1839
		Favret E A	1932 2226 2232
		Fawcett G L	1332 2184
		Fawcett H S	1334
		Fernando M	1671 1672 1674
		1876	
		Ferreira C	830
		Ferreira Lima A D. See	
		Lima A D.	
		Figueiredo E Jr	1228
		Filho A C. See Caminha	
		Filho A.	
		Fischer I	1549 1550
		Flores Cáceres S	1711
		Fluiter H J de	1105
		Ford C E	1897
		Forster R	336-338 573
		574 576 584 586	
		587 593 596	
		Foster H H	1776
		Foster R	597
		Franco M R. See Mejia	
		Franco R.	
		Franco do Amaral J	87 585
		716 718 1187	
		Frazier W A	1034 1171 1172
		Gadd C H	485
		Gaddini L	545
		Ganguly D	1650
		García J J	1601
		García Fortuño M	827
		García Rada G	331 1238 2381
		Gassner G	204
		Ghesquiere J	1100
		Ghosh S	923
		Ghosh T	149
		Giannotti O	1230
		Gold Coast Dept of Agriculture	
		Cocoa Research Station Tafo	
		See Tafo Gold Coast Cocoa	
		Research Station.	
		Gomes J G	1819 1830
		Gonçalves L I	1229
		Gonçalves R D. See	
		Drummond-Gonçalves R.	
		Goodall D W	1762
		Grant T J	1464 1465

*Since the primary arrangement of the references is by author, the names of the first author of each publication is omitted.

INDEX OF PLANT DISEASES

	Item		Item		Item		Item
Abaca. See <i>Musa textilis</i> .		Alternaria burnsi	2202	Arachis hypogaea--Cont.		Bamb. See <i>Bambusa vulgaris</i> .	
Abateiro. See <i>Persea americana</i> .		Alternaria longipes	807 1073	scab	588	Bambusa vulgaris	
Abacaxi. See <i>Ananas comosus</i> .		Alternaria mali	1316	seed treatment	1070	ergot	1797
Abutilon virus 1		Alternaria solani	220 959	virus diseases	582 2153	fungus diseases	149
Acacia julibrissin. See <i>Albizia julibrissin</i> .		Alternaria tenuis	307	wilt	1089 1850	root rot	2282
Acacia leucophalea		Alternaria tomat	220	Araucaria angustifolia		shoot rot	2282
rust	2122	Altingia excelsa		nematode diseases	2011	Banana. See <i>Musa paradisica sapientum</i> .	
Acer		damping-off	1151	Araucaria angustifolia.		Barillo tree. See <i>Calophyllum brasiliense</i> .	
leaf spot	836	dieback	1151	Areca catechu		Barley. See <i>Hordeum vulgare</i> .	
Actinomyces		Ambari hemp. See <i>Hibiscus cannabinus</i> .		band disease	1149	Basil. See <i>Ocimum</i>	
Actinidium gossypii		Amela amarella. See		bud rot	1619	ascendens.	
Aegnetia indica		Eriobotrya japonica.		fruit rot	1387	Batata. See <i>Solanum tuberosum</i> .	
Aegnetia pendulata		Armoldoim. See <i>Arachis hypogaea</i> .		fungicides	1387	tuberosum.	
Agallia albidula	190 1939	Anan. See <i>Ananas comosus</i> .		koleroga disease	2135	Batanga. See <i>Solanum tuberosum</i> .	
Agave		Ananas comosus		physiological diseases	639	tuberosum.	
anthracnose	459	black rot	1821	Arecanutpalm. See <i>Areca catechu</i> .		Bean. See <i>Phaseolus</i> ; <i>Vicia faba</i> .	
fungus diseases	1265	diseases		Armilaria mellea	666	Beet. See <i>Beta vulgaris</i> .	
Agave fourcroydes	516	Mexico	955	Armilaria mellea	1286	Bemisia	1958
Agave sisalana		Panama	1144	Arrheratherum elatius		Bemisia tabaci	1630
black spot	2358	fruit rots	2142	smut	1677	Berberis aristata	
diseases		fungus diseases	518 1461	Arrowroot. See <i>Maranta arundinacea</i> .		rust	2128
Mexico		rots	386	Arroz. See <i>Oryza sativa</i> .		Berenjena. See <i>Solanum melongena</i> .	
Yucatán	1711	stem-rot	524	Arruda. See <i>Ruta</i> .		Berinjela. See <i>Solanum melongena</i> .	
leaf disease	705	water blister disease	1274	Arthraxon lanifolius		Bermuda grass. See <i>Cynodon dactylon</i> .	
necrosis	1400	wilt	531	India		Bertholletia excelsa	259
physiological diseases	782	yellow spot	1919 1920	Bombay	1692	Beta vulgaris	
Ageratum conyzoides		Andropogon sorghum. See		Artocarpus heterophyllus		curly top	189 190
yellow vein-banding	883	Sorghum vulgare		rot	530	wilt	193
Aguate. See <i>Persea americana</i> .		Anguillulina dipsaci	354 1794	Arum		Betel pepper. See <i>Piper betle</i> .	
Aji. See <i>Capsicum frutescens</i> .		Anguillulina pratensis	875	bacterial leaf spot	99	Betel vine. See <i>Piper betle</i> .	
Ajonjol. See <i>Sesamum</i> .		Anguillulina similis	1287	Ascochyta abelmoschi	295	Betelpalm. See <i>Areca catechu</i> .	
Alamo. See <i>Populus</i> .		Annona cherimolia		Ascochyta cherimoliae	1637	Black pepper. See <i>Piper nigrum</i> .	
Albizia		anthracnose	226	Ascochyta citri	229	Blackarm disease. See <i>Angular leaf spot under names of hosts</i> .	
Madagascar	1023	fungus diseases	1637	Ascochyta gossypii	2320	Boletus tropicus	944
Albizia julibrissin		Annonaceae		Ascochyta melongenae	1651	Borassus flabellifer	
wilt	391	anthracnose	81	Ascomycetes	901	leaf spot	525
Albugo candida	949	Annona cherimolia. See		Aspergillus	1126 1440	Bordo. See <i>Acer</i> .	
Albugo tragopogonus	1930	Annona cherimolia.		Aspergillus flavus	1270 1446	Botryocomis spp	243
Aleurites fordii		Annona reticulata. See <i>Annona reticulata</i> .		Aspergillus niger	965	Botryodiplodia theobromae	791
canker	947	Anthracnose diseases	133	Aspergillus wentii	817	Botryosphaeria tamaricis	859
diseases	842	2002		Avena	787 1932	Botrytis cinerea	11 1032
Madagascar	822	See also under names of hosts.		fungus diseases	2231	1109 1313 1524 1792	
Nyasaland	2275	Antirrhinum majus		wilt	798	Botrytis fabae	1109
fungus diseases	718	leaf spot	291	Avocado. See <i>Persea americana</i> .		Botrytis tulipae	387 1311
root rot	1501	smut	1356	Axonopus compressus		Botrytis vulgaris	927
Aleurites montana		stem rot	1356	mosaic	897	Brassica acephala. See	
Java	1633	Apelchenchoides		Azalea. See <i>Rhododendron indicum</i> .		Brassica oleracea acephala.	
Aleyrodidae (White fly)		coccophyllus	600 826	Azotobacter agilis	2030	Brassica oleracea acephala	185
Alface. See <i>Lactuca sativa</i> .		1266 1268 1657		Bacillus betle	1130	club root	
Alfalfa. See <i>Medicago sativa</i> .		1255		Bacillus cereus	1150	Brassica oleracea botrytis	
Algodoeiro. See <i>Gossypium</i> .		300		Bacillus mambot	694	black leg	272
Algodon. See <i>Gossypium</i> .		1435 1436		2017		black rot	3 272
Almo. See <i>Allium sativum</i> .		1419		Bacillus musae	1406	gray rot	93
Allium cepa		Aphis maidis		Bacterial diseases	1445 1541	whiptail	282
diseases	1734	Aphis tavarezi		1623 1861 2247		Brassica oleracea capitata	
Argentina	670	Api. See <i>Apium</i>		See also under names of hosts.		Bacterial rot	454
Brazil	1592	graveolens dulce.		Bactericides		black leg	272
Colombia	1375	Apium graveolens dulce		1479		black rot	3 272 984 1213
Ocana	1564 2019 2110	fungicides	1170	Bacterium abilineans	1618	club root	74
Costa Rica		late blight	568 1108	Bacterium carotovorum	1691	diseases	2090
downy mildew		1489 1641 1748		2306		fungus diseases	2015
fungus diseases	1552	Aplanobacter stewartii	1583	Bacterium ricinica	1135	whiptail	282
root	1561	Apple. See <i>Malus pumila</i> .		Bacterium solanacearum	25	yellow	364 1234
storage and transporta-	553	Arachis hypogaea		474 545 1018	1660	Brassica rapa	
tion rots	2380	crown rot	1474	1879 2246		bacterial rot	496
white rot	103 385	disease resistance and		Bacterium tumefaciens	500	whiptail spot	254
Allium sativum		resistant varieties	1850	Bacterium vasculorum	1084	Brassica excelsa.	
fungus diseases	2012	diseases		1621-1623 1625	1626	Bremia graminicola var	
white rot	385	Australia	1475	1763 1956		indica	1692
Allomyces	2385	Queensland	994	Bacterium viscatiorum	959	Bremia lactucae	70 912
Almendo. See <i>Prunus amygdalus</i> .		Uganda	224 2016	Balanophora	2042		
Almond. See <i>Prunus amygdalus</i> .		fungus diseases	1881	Balsania clavipes	1342		
Alternaria	534 727 1336	leaf spot	1785 1851	Balsania oryzae	1518		
1371 1554 1773 2362		mosaic	2160	Bamboo. See <i>Bambusa vulgaris</i> .			
Alternaria brassicae	93	rosette	315 938				
		2032					

	Item		Item		Item		Item
Broadbean. <i>See</i> <i>Vicia faba</i> .		Capsicum. --Cont.		Cephaluros	2117	Citrus	
<i>Bromus catharticus</i>		fungus diseases	1773	Cephaluros parasiticus	2190	anthracnose	1505
smut	194	mildew	933	Cephalobus elongatus	1704	bacterial root rot	100
<i>Bromus unioloides</i> . <i>See</i>		mosaic	1856	Cephalosporium	607	black spot	455
<i>Bromus catharticus</i> .		pepper blight	1307	Cephalosporium sacchari	740	brown rot	345 509 860
Broomrape <i>Sida</i> . <i>See</i> <i>Sida</i>		rust	950	741 2083		861 863 866 867	
rhombifolia.		virus diseases	1738	Ceratonia siliqua	461	2103	871 2033
Broomrape. <i>See</i> <i>Orobancha</i> .		wilt	1306	anthracnose	1060	cholorosis	222 2086
Bulo. <i>See</i> <i>Eleusine coracana</i> .		Capsicum annuum. <i>See</i>		Ceratophorum setosum	157	disease resistance and	
Bush redpepper. <i>See</i>		Capsicum frutescens.		Ceratostomella fibrata	1373	resistant varieties	211
Capsicum frutescens.		Capsicum frutescens.		2328 2330 2331	518	diseases	644 779 1209
		disease resistance and re-	2302	Cercospora	101 1492 2046	Argentina	603 768 1733
		sistant varieties		2328 2330 2331	2335	2034	
Cabbage. <i>See</i> <i>Brassica</i>		diseases		Cercospora apii	1170	Australia	
oleracea capitata.		Peru	2093	Cercospora capsici	1346	Queensland	277 278
Cacao. <i>See</i> <i>Theobroma</i>		Tacna	464 727	Cercospora caribaea	2269	1999	
cacao.		fungus diseases	432	Cercospora coffeicola	870	Brazil	234 755 772 776
Cacao virus 1A	1762	mildew	1887	1457		778 1905 1907 1992	
Cacao virus 1B	1762	mosaic	1746	Cercospora corchori	519	Chile	72 731
Cacao virus 1C	1762	1746 2302		Cercospora cruenta	19	Colombia	1403
Cacao virus 1D	1762			Cercospora furocroyae	1136	Fiji Islands	1667
Cacaodiro. <i>See</i> <i>Theo-</i>				Cercospora hemingsii	2269	India	1519
broma cacao.		Caqui. <i>See</i> <i>Diospyros kaki</i> .		Cercospora musae	37 38	Indonesia	1506
Caconema radiculata	1871	Caralluma diffusa	147	2269		Panama	1588
Cafeeiro. <i>See</i> <i>Coffea</i> .		Caradota. <i>See</i> <i>Phaseolus</i>		41 52 56 65		Paraguay	775
Cafeto. <i>See</i> <i>Coffea</i> .		vulgaris.		495 647 1083 1139		Southern Rhodesia	154 1397
Cajanus cajan		Cardamom. <i>See</i> <i>Elettaria</i>		1158 1164 1376 1425		leaf disease	242 2274
wilt	1447	cardamomum.		1427 1429 1617 1645		fungus diseases	73 499
Cal. <i>See</i> <i>Zantedeschia</i>		Carica papaya	199	1647 1741 1750 1879		774 777 954 1212	
aethiopica.		bunchy top	2393	2001 2044 2048 2054		1339 1343 1702 1869	
Calabash. <i>See</i> <i>Lagenaria</i>		chlorosis	221	2056 2322 2323		gummosis	26 71 95
vulgaris.		damping-off		Cercospora nicotiana	1671	124 344 441 501	
Callailly. <i>See</i> <i>Zantedeschia</i>		diseases		1674 1675		744 862 1283 1880	
aethiopica.		Australia	636	Cercospora personata	1785	1391 1906 2014 2033	
Calophyllum brasiliense		Queensland	948	1851 1881 2160		2037 2102 2103	
wilt	607	Brazil	66	Cercospora phaeochlora	1115	leaf spot	229 2047
Calostilbe stratiopora	2149a	Cuba	2308	Cercospora purpuricaria	2116	leprosis	245 268
Camellia sinensis		East Africa	138 1683	Cercospora sesami	520 528	melanose	1832 1910 2216
"blitten-off" disease	872	fungus diseases	2130	1413 1495 1546		mottle leaf	820 871 1133
black rot	1006 2185	fungus diseases	2393	Cercosporella brassicae	296	2066	
blister blight	30 372 737	ring crinkle	2149	Cercosporella carthami	472	850	
873 1096 1176 1208		leaf spot	2149	Cercosporella persicae	850	nematode diseases	233 451
1210 1294-1297 1392		manurial experiments	2149	Cereals. <i>See</i> Grain.		851 855 979	
1468 1570 1720 1752		effects on mosaic	2149	Cerebella	963	physiological diseases	241
1825 1839 2069 2111		disease incidence	13 130	Cerotelium desmum	810	pink disease	265
2137 2177 2178-2182		mosaic	1064	Cerotelium fici	1494	psoriasis	773
2191 2194 2195		ring spot	2187	Cevada. <i>See</i> <i>Hordeum vulgare</i> .		root diseases	237 2170
canker		virus diseases	491	Chá. <i>See</i> <i>Camellia sinensis</i> .		root rot	381 257 263 279
dieback	2187	yellow crinkle disease	1275	Cherimoya. <i>See</i> <i>Annona</i>		scab	125 445 771 1868
diseases	874	Carnation. <i>See</i> <i>Dianthus</i>		cherimola.		split diseases	75
India	2081	carphyllus.		Chickpea. <i>See</i> <i>Cicer arietinum</i> .		storage and transporta-	
Java	599	Carod. <i>See</i> <i>Neoglaziovia</i>		Chili. <i>See</i> <i>Capsicum</i>		rots	2326
Buitenzorg	1946	variegata.		frutescens.		tristeza	46 61 63 192
Uganda	1002	Carob. <i>See</i> <i>Ceratonia siliqua</i> .		Chloridium musae	37 2043	206 208 210 211	
injuries	2138	Carpetgrass. <i>See</i> <i>Axonopus</i>		Chlorospora patagoniensis	193	214 267 271 786	
mottle scab	1117	compressus.		Christisonia wrightii	1786	831 1037 1179 1419	
nematode diseases	877	Carpha schoenoides		Chrysanthemum		1421 1463-1465 1611	
phloem necrosis	293 876	smut	1050	diseases		1829 1864 1891 1892	
877		Carrionflower. <i>See</i> <i>Stapelia</i>		Argentina	1327	1936 1949 2022 2388	
physiological diseases	884	variegata.		leaf spot	1255	1488	
red rust	2190	Carrot. <i>See</i> <i>Daucus carota</i>		rust	1458	with-tip	104
root disease	875 882 2188	sativa.		Chrysophlictis endo-		xyloporosis	1462 1466
2298		Carthamus tinctorius		biontica	1428	Citrus aurantifolia	
scab	240	fungus diseases	517	Cicadulina	2076	anthracnose	227 258
stem disease	2189	rust	472	Cicer arietinum	1169	damping-off	131
thread blight	2185	Carya illinoensis		Cinchona		physiological diseases	115
white scab	1117	anthracnose	1118	damping-off	1279	red root disease	132
witches' broom	1159	Cassava. <i>See</i> <i>Manihot</i>		diseases	1253 1370	Citrus aurantium	
yellows disease	821	esculenta.		Guatemala	1838	fungus diseases	1909
Camote. <i>See</i> <i>Ipomoea</i>		Castanha. <i>See</i> <i>Bertholletia</i>		Java	599	storage and transporta-	
batatas.		excelsa.		Latin America	1703	tion rots	1908
Cana de açúcar. <i>See</i>		Castor oil plant. <i>See</i> <i>Ricinus</i>		Peru	1260	tristeza	382 1949
Saccharum officinarum.		communis.		Philippine Republic	1298	Citrus grandis	1156
Caña de azúcar. <i>See</i>		Catecaura myricae	2276	fungus diseases	606	Citrus limon	
Saccharum officinarum.		Catenulopora zizyphi	1802	pink disease	652	scab	
Canavalia ensiformis		Cauliflower. <i>See</i> <i>Brassica</i>		root rot	609	cottony rot	903
leaf blight	2063	oleracea botrytis.		scab	1132	fungus diseases	1120
virus diseases	1975	Cebada. <i>See</i> <i>Hordeum vulgare</i> .		stem canker		physiological diseases	692
Cancer in relation to		Cebola. <i>See</i> <i>Allium cepa</i> .		thread blight	652	Citrus limonia. <i>See</i> <i>Citrus</i>	
plants	890	Cedra. <i>See</i> <i>Allium cepa</i> .		wilt	611	limon.	
Cantaloup. <i>See</i> <i>Cucumis melo</i>		Cedrella mexicana		Cintractia	473 2258	Citrus nobilis. <i>See</i> <i>Citrus</i>	
cantalupensis.		Cedrella mexicana		Cintractia carphae	1050	reticulata.	
Capsicum		seedling blight	47	Cintractia sorghi	1054	Citrus paradisi	
bacterial rot	984	Celery. <i>See</i> <i>Apium graveolens</i> :		Cintractiella lamii	286	cholorosis	1833
blight	933	Apium graveolens dulce.		Ciruelo. <i>See</i> <i>Prunus</i>		fungicides	121
disease resistance and	1856	1857		domestica.		insecticides	121

Item	Item	Item	Item
<i>Citrus paradisi</i> --Cont.	<i>Cocos nucifera</i> --Cont.	Coffee. See Coffea.	<i>Cuminum cyminum</i>
melanose 1867	diseases--cont.	Col. See Brassica oleracea	India 2202
mottled leaf 1134	Mexico	capitata.	Cupressus
scab 119--121	Yucatan 1863	Colletotrichum 555 2002 2133	canker 1528 2383
<i>Citrus reticulata</i>	New Guinea 728	Colletotrichum capsici 1805	Cupressus macrocarpa
anthracnose 1290	Philippine Republic 1426	coffeanum 1827 2065	Curvularia pallescens 1525
fungus diseases 281	Polynesia 1997	Colletotrichum falcatum 1787	Cuscuta 1205 1526
scab 1017 1945	"knife cut" disease 2373	1805 2375	Cuscuta epilinum 905
<i>Citrus sinensis</i>	little leaf 600	Colletotrichum gloeospori-	Custardapple. See Annona
anthracnose 1912	physiological diseases 729	oides 104 128 133 226	reticulata.
black rot 1168	red ring 156 300 600	2337	Cydonia oblonga
black spot 1911	631 826 1371 1235	Colletotrichum gossypii 12	drying
brown rot 830	1266 1268 1634 1657	control 687	leaf blight 704 708--710
diseases 1439	San Miguel leaf blight 1922	leaf blight 891	
Bolivia	stem bleeding 1079	Colletotrichum indicum 1807	smut 849
La Paz 2219	"unknown disease" 1099	Colletotrichum lind-	Cylindrocycladium 92 835
Brazil 707 1819	1381	muthianum 1865	Cylindrocycladium
Costa Rica 929	wilt 546 726	Colletotrichum lini 153	scoparium 1111
Mexico	Cocotero. See Cocos nucifera.	Colletotrichum lincolnii 165	Cynodon dactylon
Santa Engracia 2156	Cocoyer. See Xanthosoma	Commelina nudiflora	ergot 2120
Peru	sagittae folium.	mosaic disease	Cyperus pangorei
Zone of Chanchamayo 1249	America	Coniothecium chomato-	smut 2258
fruit rot 1795	Coffee	sporium 679	Cyrtocarpus rotundus
fungus diseases 1819	American coffee leaf	Coniothecium richardiae 1110	rust 473
green mold 648	disease 31 449 784 1154	Coniothyrium fuckelii 889	Cypomandra betacea
gummosis 864 865 2390	1456 1902 1989 2360	Coprinus nigrostriatus 1024	India 138
insecticides 1819	anthracnose 922 2065	Coqueiro. See Cocos nucifera.	Cystopus ipomoeae-
leaf-fall 1795	bacterial diseases 870 1199	Coralbean. See Erythrina.	panduratae 2262
leaf spot 2261	black bean disease 1828 2254	Corchorus	
leprosis 246 838 1305 1510	black rot 2134	blight 519	
1430 2161	brown rot 2351	rot rot 57	
nematode diseases 452	canker 1859	stem rot 2240	
physiological disease 251	chlorosis 2346	Corchorus capsularis	
692	defoliation 1457	dieback 1658	Dadap tree. See Erythrina.
psorosis 769 916	dieback 1500 1716 1719	Corn. See Zea mays.	Dahlia
root rot 919 1246 1341 1351	1901 2134 2148 2349	Corticium album	virus diseases 792 1320
1563 2035	diseases	Corticium areolatum 648	Dalia. See Dahlia.
scab 212 232 266 471	Africa 322 1231 1469	Corticium areolatum 648	Damping-off 274 914 1315
1409	Belgian Congo 1030	Corticium invivum 2185	Darlara alba 1654
split disease 849	Brazil 1200	Corticium koleroga 1591	Datura flum
stem rot 260	Central America 2183 2355	Corticium rolfsii 798	399
tristeza 111 244 383	Colombia 925	Corticium salmonicolor 483 1401 2305	Datura fastuosa. See Datura
766 964 1416 1420	Costa Rica 569 925 1080	Corticium solani	metel.
1889 1960 1981 2340	1458 2352	Corticium theae 379	Datura metel
virus diseases 2261	Ecuador 799	Corynebacterium michi-	virus diseases 2131
water rot 250	El Salvador 39 608 2198	ganense 1523	Datura virus 2 2131
water spot 250	Guatemala 42 35	Corynelia brasiliensis 85	Daucus carota sativa
Cladosporium 1820	India 1394	Coryneum beierianckii 146	1254
Cladosporium carpophyllum 720	Jamaica 925	Coryneum carpophyllum 1113	Dayflower. See Commelina
Cladosporium fulvum 605	Kenya 1161 1263	Cotton. See Gossypium.	nudiflora.
754 1415	Madagascar 317	Couve flor. See Brassica	Dendrophoma obscurans 1935
Cladosporium jamaicensis 1382	Mexico 1903	oleracea botrytis.	Derris
Cladosporium musae 1382	Nicaragua 1	Cover crops 752	leaf spot 1926
Clavel. See Dianthus	Ruanda-Urundi 752	root knot 174	Desmodium diffusum
caryophyllus.	South America 2183 2355	Coupea. See Vigna catjang;	leaf spot 1698
Claviceps 1797 2132	Tanganyika 2097	Vigna sinensis.	Desmodium gangeticum
Claviceps purpurea 1522	Uganda 992	Crisantemo. See Chrysanthemum.	leaf spot 1690 1699
Claviceps pusilla 1522	Venezuela 403 2249	Crotalaria juncea	Dianthus caryophyllus
Clinoconium farinosum 243	fungicides 1395 1591 1593	fungus diseases 157 158	diseases
Clitocybe sp 1021	110 415 913 1032	601 2213	Argentina 1325 1326
Clove. See Eugenia	1411 1547 1591 1723	Crown gall 890 2353	fungus diseases 390
aromatica	injuries 40 45 752	Crozalsiella argentina 1059	ring spot 388
Clover. See Trifolium.	latent infection 1827	Crucifers	yellow spot 887
Coca. See Erythroxylum	leaf diseases 22 469 470	fungus diseases 1639	Diaporthe
coca.	532 926 1393 1395	rust 949	Dictyosperma album
Coco palm. See Cocos nucifera.	1878 1903 2348 2351	virus diseases 640	bacterial disease 1625
Cocoa. See Theobroma cacao.	leak disease 2215	Cucurbit. See Cucumis	Didymella iridis 888
Cocoon. See Cocos nucifera.	nematode diseases 803 808	sativus	Diocorea sativa
Cocos nucifera	1717 2106 2107	Cucumis	leaf blight 529
blight 2095	nematodes 1288	Cucumis melo cantalupensis	Diospyros kaki
bronze leaf wilt 114 116	phenomenon necrosis 1595 2350	powdery mildew 1931	anthracnose 945
bud rot 350 956 1221	physiological diseases 2314	witches' broom 2010	Diplochochylea indaii 2267
"cadang-cadang" 1707 1895	pruning disease 514	Cucumis sativus	Diplodia 718 2068
disease 478 479 1603	ring spot 247 249 1984	downy mildew 275	Diplodia cacaoicola 143
diseases 1689	root diseases 34 44 370	mosaic 558	Diplodia maydis 2286
Brazil 299	802 921 1286 2199	powdery mildew 275	Diplodia morina 1896
British West Indies 341	smut 2359 2361	witches' broom 2010	Diplodia natalensis 166
Colombia 1383	sooty mold 1706	Cucumis virus 1	Diplodia theobromae 2358
Magdalena 1141	stem rot 1061	Cucurbita maxima	Diplodia zeae 973 2286
Guatemala 1858	thread blight 17	powdery mildew 1931	Diplothemium
Haiti 1894	trunk canker 1140	white rot 1747	Brazil 689
Jamaica 1379	witches' broom 1984	Cumin. See Cuminum	Disease resistance
Melanesia 1997	yellowing 2389	cuminum.	in plants 900
			Diseases in general. See Plant
			diseases; and under names
			of hosts.

	Item	Eucalyptus diseases	Item	Fungi -Cont.	Item	Fusarium moniliforme subglutinans	Item
Dodder. See Cuscuta.				Brazil 967 1126 1558 1994		1836	
Dodder (Flax). See Cuscuta				2109 2168 2248 2266		Fusarium nigrum	1636
epilinum.				2267 2276		Fusarium orthoceras	89
Dolichos biflorus				Minas Gerais 2265		393 902	
India 1693		fungus diseases 11 1111		Rio Grande do Sul 1853		Fusarium orthoceras lathyri	223
Dolichos lablab mosaic 397		1524 1792		1854		292	
Dolichodeales 896		necrosis 835		Ceylon 1138		Fusarium oxysporum 421 475 1405 1598	391
Dolichodea ulai 1211		rust 1338		Chile 747 1482 1483 2394		Fusarium oxysporum cubense 88 1158 1423 2270	391
Dolthiella 1905		seedling diseases 92		Colombia 1362		1892	
Drepanoceros larviformis 243		Eucalyptus globulus 1251		determination 1361		1892	
Duraznero. See Prunus persica.		Eucalyptus robusta 1251		Gold Coast 637		Fusarium oxysporum gladioli 431	
Durian. See Durio zibethinus.		Eucalyptus tereticornis 1251		Guatemala 637		Fusarium perniciotum 391	
Durio zibethinus. root disease 2143		Eugenia aromatica 1022		Hawaii 219 1678 2061		Fusarium scripi 431	
Durra. See Sorghum vulgare durra.		Madagascar 1022		herbaria 920 2083		Fusarium solani 1359 1552	
Dutch Guiana. See Surinam.		Euphorbia pulcherrima scab 1129		India 150 521 1446 1508		1564 1746	
		Evolvulus 617		Indonesia 966		Fusarium solani martii 1072	
		India 243		Malay Archipelago 284 285		1746	
		Exobasidium 617		Mauritius 2377		Fusarium udum 1447	
Easter lily. See Lilium candidum.		Exobasidium discoideum 1826		Mexico 1573		Fusarium vasinfectum 360	
Eggplant. See Solanum melongena.		Exobasidium vexans 737 873		Mozambique 411		673 677 613 818	
Eichornia crassipes leaf spot 148		878 1176 1294-1297 1392 1825 1839 2178		Sul do Save 412		1201 1306 1478 1746	
Elaeis guineensis boyomi disease diseases 112 1025		2179-2181		New Guinea 635		1866 2084 2213 2271	
Belgian Congo 2067		False-mallow. See Malvastrum coromandelianum.		Panama 1361 1362 2385		Fusarium wilt 1250	
Elektaria cardamomum diseases 1396		Ficus 697 701		parasitic on algae 1346 1654 2125		Fusicladium dendriticum 857	
India 2209		canker root rot rust 418 1494		pathogenicity 1219		Ganoderma lucidum 279	
Eleusine coracana mosaic diseases 2255		Field crops 1470		Peru 911		Ganoderma pseudo-ferreum 666 2298	
India 2255		Queensland 1470		Philippine Republic 1882 2113		Genipa americana anthracnose 254	
Mysore 2255		Fig. See Ficus.		South America 1855		Geranium. See Pelargonium zonal.	
Uganda 2257		Fluigera. See Ficus.		Sporangia 1888		Gibberella saubinetii 522	
mosaic 2257		Flax. See Linum usitatissimum.		Terminology 1817		Giranol. See Helianthus annuus.	
Elisnoe 228 252 253 1116 1118 1125 1130 2118		Fluogea leucopyrus 2123		Trinidad 117		Gladiolus bulb rot 783 1512	
Elisnoe ampelina 1124 1123		Fomes lamaensis 1286		tropics collecting and preserv- ing 1389 1004 1009		Argentina 1328 1923	
Elisnoe australis 212 232		Fomes lignosus 97 216 666 809 921 1105 1286		Uganda 1004 1009		fungus diseases 431	
Elisnoe Boehmeriae 1124 1132		2026		Uruguay 681		scab 1273	
Elisnoe cinchonae 1132		Fomes noxious 2141		Venezuela 901 1162 1440		Gloeocercospora sorghi 541	
Elisnoe citri 1125		Fomes semitostus 921		viability 2088		Gloeosporium 2002	
Elisnoe lawcettii 1119		Fraxina 1271		Windward Islands 123		Gloeosporium limeticum 227	
Elisnoe hamsfordii 1117		diseases 1079		See also names of fungi and fungus diseases.		Gloeosporium olivarium 1571	
Elisnoe leucospila 240 1117		Southern Rhodesia 1935		Fungicides 8-10 58 67		Glomerella 523 1912	
Elisnoe theae 1121		Frankliniella insularis 2038		145 162 176 215		Glomerella cingulata 459	
Elisnoe toddalae 1121		Frankliniella paucispinosa 761		281 306 388 408		Glomerella coffeicola 36	
Emilia 1920		1738		505 848 940 1038		Glycine soja 2204	
yellow spot 1920		Fr. Jol. See Vigna sinensis.		1184 1247 1299 1399		bacterial leaf spot 714	
Emilia scabra virus disease 1257		Crown gall 426 500		1479 1590 1593 1665		Goldstragress. See Hypoxis decumbens.	
Entomospirium maculatum 24 667 706 709 710 854 891		diseases 437 1324		1726 1793 1831 1886		Gossypium angular leaf spot 62 309	
Ephelis oryzae 2251		Bolivia 1521		2003 2031		512 812 982 1006	
Ergostis tenuifolia fungus diseases 2251		Chile 458		See also under host names.		anthracnose 12 577 811	
Ergot 1522 2132		fungus diseases 145 146		Caribbean region 122		blight 2320	
Erianthus trinit smut 1047		1113 1278		See also under names of hosts.		crazy-top defoliation 1194	
Eriobotrya japonica 24 706		leaf diseases 510 1737 2325		Furcraea gigantea 1136		disease resistance and resistant varieties 356 1091	
Brazil 1862		pink disease 463		Brazil 913 1006 1089		1663 2072 2205	
Erwinia ardoeae 1303		rot 430		Fusarium 91 198 430 434		Africa 1509	
Erwinia carotovora 1190		storage and transportation 135 2334 2338		435 436 462 514		Argentina 815	
Erwinia phytophthora 2279		Fruit diseases. See also under names of hosts.		783 913 1006 1089		Brazil 1459	
Erysipheae 1930		Fr. ta bomba. See Carica papaya.		1204 1438 1609 1723		India 2207	
Erysiphe cichoracearum 537		Fr. ta bomba. See Carica papaya.		1809 1847 2302		Java 841	
Erysiphe graminis 756		Fr. ta bomba. See Carica papaya.		Fusarium avenaceum 2290		Sudan 2085	
Erysiphe graminis hordei 1893		Fum. See Nicotiana tabacum.		Fusarium bulbigenum 155		Uganda 993	
Erythrina diseases 1718		Fungi 1394		868		fungus diseases 360 476	
Indonesia 1589		Argentina 1304 1333 1345		Fusarium concolor 1199		internal 915 1227	
witches' broom 542		Buenos Aires 1549		Fusarium cunctans 364		leaf curl 310	
Erythroxylum coca witches' broom 405		Mendoza 1904		Fusarium cubense 1143 1728		leaf spot 770	
		Australia 1036		2150			
		Queensland 123		Fusarium equiseti 148			
		Barbados 123		Fusarium falcatum 148			
				Fusarium graminearum 446			
				Fusarium javanicum 158			
				Fusarium lini 433			
				Fusarium moniliforme 439			
				919 973 1195 1708			
				1808			

	Item		Item		Item		Item
Gossypium--Cont.		Hemileia vastatrix	469	470	Ilex paraguayensis		Lilium candidum
mosaic	586 589	533 1393			fungus diseases	1111	mosaic
physiological diseases	1207	Hemileia wrightiae	1800		Immunity phenomena	1443	Limão. See Citrus limon.
1596		Heneken. See Agave			Inga	1589	Lime. See Citrus auranti-
powdery mildew	1628	fourcroydes.			Insecticides	145 408	limonero. See Citrus limon.
leaf blight	651 1095	Heterodera marioni	395	723	Insects as carriers of plant		Lino. See Linum usitatiss-
2039		881 888 1013	1104		diseases 762 943 1217 1394		simum.
root diseases	770	1230 1467-1477	1531		1633 2315		Linum usitatissimum
root rot	168	1534 1567 2018			See also names of insects;		Linum usitatissimum
rust	810 1710	Heterodera radiciola	1288		and under names of hosts.		anthracnose
seed treatment	512 814	1871			Ipomoea batatas		disease resistance and
819		Heterosporium			brown rot	908	resistant varieties 330
silver leaf	816	echinulatum	388	390	fungus diseases	1001	1202 2229
small-leaf disease	2212	Hevea brasiliensis			virus diseases	1005 1577	
stem breaking	650	American leaf disease	1374		wet rot	1223	
wilt	312 331 356 673	bark rot	823		Ipomoea muricata		diseases
677 813 818 1008		bird's eyespot disease	1165		bacterial disease	1694 1701	Argentina
1091 1201 1204 1250		brown bast	343 1012	1900	Ipomoea pestigridis		Peru
1438 1478 1866 2084		1950 2297			India	2262	fungus diseases
2205 2271							pasmo disease
Grain		dieback			Iris		seed treatment
diseases		disease resistance and	96	2029	leaf spot	888	spasm disease
Mexico	1545	resistant varieties 96			Isachne elegans	2251	rust
Uruguay	202	diseases	1148		fungus diseases		wilt
rust	540 2237	Belgian Congo	2051		Jackbean. See Canavalia		330 494 2223 2229
seed treatment	203 425	Ceylon	1897		ensifomis.		356 433 443
See also names of grains.		Indonesia	1040		Jackfruit. See Artocarpus		Lithraea caustica
Gram. See Cicer arietinum.		Java	1026		heterophyllus.		fungus diseases
Grape. See Vitis.		Buitenzorg	1946		Jamaica falsevalerian. See		Lobelia trigona
Grapefruit. See Citrus		Malaya	171 - 173	177	Stachytarpheta jamaicensis.		2127
paradis.		Mexico			Jasmine. See Jasminum		japonica.
Griass pea. See Lathyrus		Uganda			malabaricum.		Loranthus
sativus.		fungicides	997		Jasminum malabaricum		1205
Grasses		fungus diseases	305	306	rust	1664	Lovegrass. See Eragrostis
ergot	1522 2119	2025			Jassus indicus	1815	tenuifolia.
fungus diseases	1342	leaf blight	1371		Jowar. See Sorghum vulgare.		Lupine. See Lupinus.
rusts	634	leaf disease	1180 2253		Juglans		fungus diseases
See also names of grasses.		mildew 175	358 961 1010		"mal de la tinta"	1745	436 1060
Grevillea		1513			Jujube. See Zizyphus		Lycopersicon esculentum
diseases		mouldy rot	805 806 1373		oenoplea.		bacterial diseases
India	2080	pink disease	1410 2305		Jute. See Corchorus.		456 715
leaf fall	879	powdery mildew	1899		Corchorus capsularis.		big bud
Groundnut. See Arachis		root disease	97 216 615		Kale. See Brassica		blight
hypogaea.		666 802 804 809			oleracea acephala.		blossom-end rot
		1027 1105 1513			Kerniomyces costi	2167	217 1673
		1516 2026 2298			Kudzuvine. See Pueraria.		canker
Haba. See Vicia faba;		rots			Lactuca sativa		959 984 1523
Phaseolus lunatus.		South American leaf			bacterial leaf spot	1510	curly top
Haplophragmium		blight	1211 2029		downy mildew	70 276	disease resistance and
podorosum		sunburn	2244		leaf spot	291	resistant varieties 845
Hedges		Hibiscus canabinus	1502		mildew	276	1062 1171 1172
Uruguay	213	Hibiscus esculentus	139		mosaic	1185	diseases
Helianthus annuus		fungus diseases	790 2214		rot	1349	Australia
cottony rot		mosaic	295		Lactuca virus 1	1185	Queensland
diseases		seedling blight	137		Laestadia acerifera	836	4 7
Argentina	1930	Hibiscus rosa-sinensis	137		Lagenaria vulgaris	400	Brazil
fungus diseases	1359	leaf spot	515 1835		Lang. See Lathyrus sativus.		672 1554
krommek disease	2312	Hibiscus sabdariffa	1502		Laranja. See Citrus sinensis;		129
leaf spot	307	El Salvador			Citrus aurantium.		Jamaica
Helianthus tuberosus		Jagua. See Ficus.			Lathyrus odoratus		1385
Argentina	1511	Hordenum vulgare			India		Peru
Helicobasidium com-		disease resistance and	78 1933		Lauraceae		612
pactum	804 2277	resistant varieties 78			galls	243	959 1147
Helminthosporium	990 1559	1934 2226			Lead tree. See Leucaena		early blight
1649 1682 1914		diseases			glauca.		fern leaf
Helminthosporium avenae	787	Brazil	1553 1557		Leghuga. See Lactuca sativa.		fruit rot
Helminthosporium		fungus diseases	1559		Legislation	551	1799
gramineum	1930	leaf scald	1934 2226		Legumes		fungicides
Helminthosporium heveae	1165	powdery mildew	1933 2226		West Africa	1285	5
2253		rust	2079 2236		Lemon. See Citrus limon.		fungus diseases
Helminthosporium		smut	352 1432 2300		Lens		155 645
lycopersici	1918	Hortalizas. See Vegetables.			Lentil. See Lens.		late blight
Helminthosporium		Hortela pimenta. See Mentha			Lentinus lepidus		785 1377 2082
ocellum	2372	piperita.			Leptosphaeria		leaf blight
Helminthosporium oryzae	484	Host indexes	1004 1482		Leptosphaeria salvinii	1020	leaf curl
892 1014 1650		Host plants	632		Lettuce. See Lactuca sativa.		leaf mold
Helminthosporium	1680	Hyacinth bean. See Dolichos			Leucaena glauca		605 754 1415
sacchari		lablab.			Indonesia	1718	leaf spot 94
sativum	109 1248	Hyptisultrum	286		Leveillula taurica	1801	572 696 743
Helminthosporium		Xyopsis decumbens	2272		Ligustrum sinense		1034 1555 1884
turcicum	389 1645	smut			leaf spot	2260	2020
Helvella	1573				virus disease	2260	mosaic
Hemileia	2097						physiological disease
Hemileia canthii	2125						1731
Hemileia coffeicola	1878						powdery mildew

	Item		Item		Item		Item
Mainis holwayii	1243	Marasmius perniciosus	134	Musa paradisiaca sapientum--Cont.		Nicotiana tabacum--Cont.	
Mainis imperialis	1243	136 642 895 1764		diseases--cont.		damping-off 580 585 1408	
Maize. See Zea mays.		1765 2285		Trinidad	751 2327	1517 1675 2101	
Malabar plum. See Syzygium		Marasmius semitatus	1814	Uganda	989 1007	disease resistance and	
jambo.		Mameléiro. See Cydonia		fungicides	1424	resistant varieties 336 1237	
Malus pumila		oblonga.		fungus diseases	466 719	diseases	
abnormalities	413	Martina panamaensis	2368	heart rot	1836	Argentina	658
bitter pit	1743	Masseella narasimhani	2123	infectious chlorosis	2333	Ceylon	1675
black rot	428	Maté. See Ilex paraguariensis.		injuries	2038	Java	218
canker	427 2114	Matsedge. See Cyperus		leaf speckle	1382	Klaten	1177
core rot	1316 2175	pangorei.		leaf spot 37	56 38 41 52	Philippine Republic	1655
diseases		Matfihola		56 65 495 629		Puerto Rico 827 828 937	
Argentina 847 1329 2174		Argentina	2099	647 1083 1107 1158		Southern Rhodesia	1068
Colombia		Maugina musae	1704	1164 1218 1220 1376		Sumatra	
Antioquia	414	Medicago sativa		1425 1427 1429 1617		Medan	657
Boyaca	1587	disease resistance and		1668 1741 1750 1879		Venezuela	957
Mexico	140	resistant varieties	354	1953 1954 2001 2043		downy mildew	2384
Southern Rhodesia	1074	fungus diseases	2164	2044 2046 2048 2054		"falda das nervuras"	1186
fungus diseases	1242	Mattode diseases 353 354		2056 2146 2259 2322		fencing 593 2243	
leaf spots	854	wilt	1258 1794	2323 2329-2331 2335		frog eye 1674 1675	
little-leaf	2324	Melampsora	1450	2323 2329-2331 2335		fungus diseases 807 1071	
powdery mildew	1533	Melampsora albertensis	856	2323 2329-2331 2335		injuries	567
root rot	79	Melampsora alii-		2323 2329-2331 2335		krommek disease	2312
scab 511 857 1566		populina	1308	2323 2329-2331 2335		leaf curl 596 654 1958	
stem-black disease	679	Melampsora larici-		2323 2329-2331 2335		leaf spot 336 337 660	
Malvaceae	1978	populina 856 1308 1925 2104		2323 2329-2331 2335		marble leaf 1073 1671	
infectious chlorosis	1630	Melampsora lini 330 494		2323 2329-2331 2335		mildew 932	
1968		2223		2323 2329-2331 2335		mosaic 594 661 663 936	
mosaic	1643	Melampsora mundkuri	2127	2323 2329-2331 2335		1948 1963 1965 1970	
Malvastrum coromandelianum	2256	Melanopsichium pennsylvanicum	1053	2323 2329-2331 2335		1976 1977 1979 2343	
Mamodira. See Ricinus communis.		Melilotus	555	2323 2329-2331 2335		2323 2329-2331 2335	
Mandarin orange. See Citrus reticulata.		anthracnose	1009	2323 2329-2331 2335		2323 2329-2331 2335	
Mandiocca. See Manihot esculenta.		Melioloneae	555	2323 2329-2331 2335		2323 2329-2331 2335	
Mangifera indica		Melocotonero. See Prunus persica.		2323 2329-2331 2335		2323 2329-2331 2335	
anthracnose 128 226 348		Melon. See Cucumis melo cantalupensis.		2323 2329-2331 2335		2323 2329-2331 2335	
1269 2108		Menta. See Mentha.		2323 2329-2331 2335		2323 2329-2331 2335	
bacterial diseases 1695 1697		Mentha	76	2323 2329-2331 2335		2323 2329-2331 2335	
black tip	1824	rust	711	2323 2329-2331 2335		2323 2329-2331 2335	
diseases		Mentha piperita		2323 2329-2331 2335		2323 2329-2331 2335	
India	1519	rust		2323 2329-2331 2335		2323 2329-2331 2335	
Indonesia	1507	Milho. See Zea mays.		2323 2329-2331 2335		2323 2329-2331 2335	
fungicides	128	Mimosa	2268	2323 2329-2331 2335		2323 2329-2331 2335	
injuries	1824	Brazil		2323 2329-2331 2335		2323 2329-2331 2335	
powdery mildew	2211	Mint. See Mentha.		2323 2329-2331 2335		2323 2329-2331 2335	
scab 791 1155 1691		Mistietoe. See Loranthus.		2323 2329-2331 2335		2323 2329-2331 2335	
twig blight	270	Molds	1670	2323 2329-2331 2335		2323 2329-2331 2335	
Mango. See Mangifera indica.	1155	Molina cinerea	442	2323 2329-2331 2335		2323 2329-2331 2335	
Mangueira. See Mangifera indica.		Monochaetia unicornis	1525	2323 2329-2331 2335		2323 2329-2331 2335	
Mani. See Arachis hypogaea.		1528		2323 2329-2331 2335		2323 2329-2331 2335	
Manihot esculenta	833	Monetery Cypress. See Cupressus macrocarpa.		2323 2329-2331 2335		2323 2329-2331 2335	
bacterial diseases 113 225		Morningglory. See Ipomoea muricata; Ipomoea pestigridis.		2323 2329-2331 2335		2323 2329-2331 2335	
694 699 670 837		Morus alba	1896	2323 2329-2331 2335		2323 2329-2331 2335	
1724		root rot		2323 2329-2331 2335		2323 2329-2331 2335	
disease resistance and		Mosaic diseases		2323 2329-2331 2335		2323 2329-2331 2335	
resistant varieties	2382	1150 1893 2197 2347		2323 2329-2331 2335		2323 2329-2331 2335	
diseases		See also under names of hosts.		2323 2329-2331 2335		2323 2329-2331 2335	
Brazil 671 722 1644		Mucuna deeringiana. See Stizolobium deeringianum.		2323 2329-2331 2335		2323 2329-2331 2335	
Madagascar 317		Munj grass. See Saccharum sarc.		2323 2329-2331 2335		2323 2329-2331 2335	
fungus diseases 685 718		Musa paradisiaca sapientum		2323 2329-2331 2335		2323 2329-2331 2335	
721 991 2264		anthracnose	1998	2323 2329-2331 2335		2323 2329-2331 2335	
leaf spots	2269	bacterial diseases 474 545		2323 2329-2331 2335		2323 2329-2331 2335	
mosaic 335 590 591 839		678 1406 1879 2246		2323 2329-2331 2335		2323 2329-2331 2335	
840 1615 1616 1974		black end	1998	2323 2329-2331 2335		2323 2329-2331 2335	
2075 2077 2382		bunchy top	1668	2323 2329-2331 2335		2323 2329-2331 2335	
rust	834	chlorosis	1544	2323 2329-2331 2335		2323 2329-2331 2335	
superbudding disease	1967	disease resistance and		2323 2329-2331 2335		2323 2329-2331 2335	
witches' broom	1967	resistant varieties	1668	2323 2329-2331 2335		2323 2329-2331 2335	
Manihot utilisissima. See Manihot esculenta.		diseases		2323 2329-2331 2335		2323 2329-2331 2335	
Manila hemp. See Musa textilis.		1668		2323 2329-2331 2335		2323 2329-2331 2335	
Manuals 48 341 1063 1146		1668		2323 2329-2331 2335		2323 2329-2331 2335	
1337 1672 1709 1991		1668		2323 2329-2331 2335		2323 2329-2331 2335	
2008		1668		2323 2329-2331 2335		2323 2329-2331 2335	
Manzano. See Malus pumila.		1668		2323 2329-2331 2335		2323 2329-2331 2335	
Maple. See Acer.		1668		2323 2329-2331 2335		2323 2329-2331 2335	
Maranta arundinacea		1668		2323 2329-2331 2335		2323 2329-2331 2335	
banded leaf blight	1796	1668		2323 2329-2331 2335		2323 2329-2331 2335	
Marasmius	1227	1668		2323 2329-2331 2335		2323 2329-2331 2335	

	Item		Item		Item		Item
Saccharum officinarum-- Cont.		Sesamum indicum blight	520	Sorghum sudanensis. See Sorghum vulgare sudanensis.		Sunflower. See Helianthus annuus; Helianthus tuberosus.	
twisted top	1195	diseases		Sorghum vulgare		Sunn crotalaria. See Crotalaria juncea.	
virus diseases	1708	Uganda	998	diseases		Sunn hemp. See Crotalaria juncea.	
wilt	740 741 1168	fungus diseases	1546	ergot	1798	Sweet orange. See Citrus sinensis.	
Saccharum sarc	1610	Sesamum indicum.		leaf diseases	541	Sweetpotato. See Ipomoea batatas.	
Safflower. See Carthamus tinctorius.	1167	Sida		root parasites	683		
Salix		infectious chlorosis	1978	smut	102	Synchytrium endobioticum	753
Argentina	974	Sida rhombifolia		top-rot	1808	rust	1947
Sandalwood. See Santalum.		infectious chlorosis	1633	virus diseases	496		
Sandfa. See Passiflora laurifolia.		Simsim. See Sesamum orientale.		Sorghum vulgare durra			
Santalum		Sisal hemp. See Agave sisalana.		smut	1203		
spike disease	1102 1103	Snadragon. See Antirrhinum majus.		fungicides	1054		
Schiffnerula paraparenisis	2167	Soja. See Glycine soja.		Sorghum vulgare sudanensis	563		
Schizophyllum commune	1654	Solanaceae		smut	2013		
Sclerospora javanica	2070	Solanum melongena		Sorospodium reilianum			
Sclerospora maydis	1841	brown rot	1157	Sour orange. See Citrus aurantium.			
Sclerospora sacchari	178	virus diseases	576	Soybean. See Glycine soja.			
1224		Solanum melongena		Sphacelia sorghi	102		
Sclerospora sorghi	1696	bacterial wilt	1676	Sphaceloma	252		
Sclerotinia	280	disease resistance and resistant varieties	1676	1125 1217 1129	1130		
Sclerotinia cinerea	442	fungus diseases	794	1804 2118			
Sclerotinia fruticola	167	1773 1840	1661	Sphaceloma arachidis	588		
Sclerotinia minor	1349	leaf spot	1651	Sphaceloma australis	1409		
Sclerotinia sclerotiorum	165	little leaf	2131	1945			
1930 2321		rust	1806	Sphaceloma fawcettii	120		
Sclerotium	476	Solanum tuberosum		121 445			
Sclerotium cepivorum	103	bacterial diseases	715	Sphaceloma genipae	254		
Sclerotium delphinii	1883	bacterial ring rot	2115	Sphaceloma murrayae	974		
Sclerotium oryzae	1844	bacterial spot	456	Sphaceloma perseae	69		
2166		black leg	1190	Sphaceloma rosarum	885		
Sclerotium rolfsii	90	black scurf	2000	Sphaceloma terminalia	254		
538 601 1495a	213	brown rot	716	Sphaceloma theae	1117		
1580 1992 2252		1530 1560		Sphacelotheca	1055		
Scutia myrtina		bud wilt	1312	Sphacelotheca schwein-			
scab	1119	canker	1428	furthiana	1167		
Secale cereale		diseases		Sphaerella linorum	1535		
blight	522	Argentina		Sphaeroneuma fibrinatum	908		
Seed treatment	23 362	Buenos Aires	1433	Sphaeropsis tumefaciens	1212		
See also under names of hosts.	1823	Mendoza	1744	Sphaerostilbe repens	132		
Septobasidium albidum	242	Brazil	583	Sphaerotheca panosa	886		
Septobasidium castaneum	2283	Colombia	1481	Sphaerotheca pannosa	507		
Septobasidium cavienae	1331	Costa Rica	1412	Sphaerostilbe repens	1024		
Septobasidium	1331	Java	1503	Spondyliocladium	1192		
lepidosaphis	1499	Mexico	2287	atrovirens	1490		
Septobasidium pseudo-	2283	Panama	1378	Spongospora subterranea	1874		
pedicellatum	1343 1499	Peru		1774			
Septobasidium saccardin-	2275	Aija	1252	Spotted wilt virus	1681		
Septoidium didymo-	2267	early blight	220	Spraying equipment	1538		
panacis	276 1301	fungicides	59	Squash. See Cucurbita maxima.			
Septoria	568 1108	fungus diseases	748	Stachyridium theobroma	675		
Septoria api	1748	1405 1487 1609	2157	Stachytarpheta jamaicensis	1256		
Septoria api-gravelentis	568	late blight	200	virus diseases	2280		
Septoria carididis	1344	2221	429	Stalagmites tumefaciens	1862		
Septoria citri	1869	931 1033 1173	1453	Stapelia variegata	1034		
Septoria dianthi	887	1537 1538 1548	1574	bacterial soft rot	1903		
Septoria drummondii	290	1779 1951 2311		Stemphylium solani	2072		
Septoria ellardiae	134	leaf roll	656	Stephanoderes hampei			
Septoria lactucae	291	legion	1428	Stigmatomycoses			
Septoria leucanthemi	1344	"necrose das nervuras"	1631	Stilbella flavidia. See			
Septoria lycopersici	94	nematode diseases	303	Omphalia flavidia.			
696 743 1555	1884	powdery scab	1490	Stilbum flavidum. See			
2020		ring rot	1871	Omphalia flavidum.			
Septoria muscivora	1929	root knot	539	Stipa neesiana			
Septoria nodorum	78	scab	800	smut	1051		
Septoria obesa	1255	seed treatment	2000	Stizolobium deeringianum	2376		
Septoria populi	1930	silver scurf	1192	Stock. See Matthiola.			
Septoria tritici	78	top-necrosis	581	Strawberry. See Fragaria.			
Sesame. See Sesamum.		virus diseases	169	Striga	683		
Sesamum		181 662	797	Striga lutea	141		
fungus diseases	1413	581 662	797	Striga orobanchoides	332		
stem canker	610	Solanum virus 1	1613	Sudangrass. See Sorghum vulgare sudanensis.			
white spot	1495	Sopania delphinifolia	1206	Sugar beet. See Beta vulgaris.			
		Sorghum. See Sorghum vulgare.		Sugarcane. See Saccharum officinatum.			
				Sugarcane leaf hopper. See Perkinsiella saccharicida.			

	Item		Item		Item		Item			
Thielaviopsis paradoxa	60	Tri-tritachium	1550	enturia inaequalis	511	Wood-destroying fungi	150			
386 560 1444	1461	Tuberulina	2129	Verticillium	331	283				
Thrips tabaci	1919	Tulip. See Tulipa.		Verticillium albo-atrum	423	Wood preservation	283			
Thysanolaena maxima		Tulipa		1486 2271		Wrightia tinctoria				
bacterial diseases	1626	Argentina	387	1328	Verticillium diseases	1486	rust	1800		
Thysanoptera	1920	fire disease	1311	1311	Verticillium wilt	1250	Wrightia tomentosa	1800		
Tickclover. See Desmodium		Tulip. See Tulipa.			Vetch. See Vicia sativa.		rust			
diffusum; Desmodium		Tungoilree. See Aleurites			Vicia faba					
gangeticum.		fordii; Aleurites montana.			brown spot	1109	Xanthomonas campestris	454		
Tigergrass. See Thysanolaena		Turnip. See Brassica rapa.			diseases		2155			
maxima.		Tylenchus coffeae	803	1717	Peru	164	Xanthomonas desmodii	1698		
Tilletia 1045 1056 1390 2158		Tylenchus pratensis	808		Vicia sativa		Xanthomonas desmodii-			
Tilletia hyalospora		Tylenchulus semipenetrans	233		leaf blight	1928	gangeticii	1690 1699		
cuscoensis	1057	271 451 452 855			stem blight	1928	Xanthomonas malvacearum	309		
Tobacco. See Nicotiana		979 1341 1350 1351			Vid. See Vitis.		1700			
tabacum.		Uncinula necator	1938		Videira. See Vitis.		Xanthomonas nigromaculans			
Tobacco-mosaic virus	1962	Uredinales	409	632	Vigna catjang		zinniae	1065		
Toddalia		635 681 1162	1163		mosaic	401	Xanthomonas phaseoli			
scab	1121	1778			Vigna sinensis		indicus	2203		
Toledilla fusispora	2281	Uredinea	1243		disease resistance and	2201	Xanthomonas phaseoli	1693		
Tomate. See Lycopersicon		Uredinea spinulosa	602		resistant varieties		sojense	1472		
esculentum.		Uredo imperialis	1243		Venezuela	1493	Xanthomonas solana-			
Tomateiro. See Lycopersicon		Urocystis	1049		root rot	2201	cearum	456 1530 2147		
esculentum.		Urocystis hypoxidis	2272		Virus diseases	294	328	492		
Tomato. See Lycopersicon		Uromyces	1244		564 576 641	788	Xanthomonas uppalii	1694 1701		
esculentum.		Uromyces hobsoni	2126	2129	1063 1198 1217 1261		Xanthomonas vasculorum	1619		
Tomentella bambusina	2282	Uromyces manihoti	834		1602 1735 1782	1919	Xanthosoma sagittae-folium			
Toronia. See Citrus paradisi.		Uromyces phaseoli typica	1684		1968 1980 1990	2008	root rot	1758 1955		
Torulopsis conglobata		Ustilagines	2192	2395	2078 2172		Xanthosoma sagittifolium.			
minima	466	Ustilaginaeidea virens	1952		hosts	578 654	1920	See Xanthosoma sagittae-folium.		
Torulopsis musarum	466	Ustilago	1043	1055	See also under names of					
Trees		Ustilago bromivora	194		hosts.					
disease resistance and		Ustilago chacoensis	1058		Virus X	169	1982	Yam. See Dioscorea sativa.		
resistant varieties	2149	Ustilago hordei	352	1432	Virus Y	1577	1632	1986	Yautia malanga. See Xantho-	
diseases	197	2300			Vitis				soma sagittae-folium.	
fungus diseases	1289	Ustilago jacksonii	1052		anthracnose	503	713	763	Yellow-spot virus	1681
2149a	2100 2196	Ustilago maydis. See			1114 1123 1128	1454				
injuries	1289 2071	Ustilago zeae.			1812 1937 2105	2392			Zantedeschia aethiopica	
See also names of trees.		Ustilago microthelii	1047		California grape disease	2289			Argentina	1110
Treetomato. See Cyphomandra		Ustilago nuda	352		diseases				Zapallo. See Cucurbita	
betacea.		Ustilago perennans	1677		Brazil	702	717		maxima.	
Tremocoeiro. See Lypinus.		Ustilago rottoeilliae	1052		Chile	1098			Zea mays	
Trichocopa padwickii	1652	Ustilago sacchari	759	760	Uruguay	152			bacterial wilt	736 1583 1584
Trifoliolate orange. See Pon-		Ustilago scitaminea	68	374	downy mildew	440	571	646	diseases	
cirus trifoliata.		375 618	620	622	940 1434 1454	1740			Argentina	1810
Trigo. See Triticum vulgare.		758 765	829	1044	1789 2163 2291				Africa	498
Triticum vulgare		1046 1082	1196	1222	fungicides	1097 1789	2291		Brazil	687 1557
disease resistance and		1635 1788			fungus diseases	733	1278		Costa Rica	2357
resistant varieties	77 78	Ustilago spegazzinii	1051		1454 1473	1813			Philippine Islands	1845
356 1390 1987 2098		Ustilago tritici	972		gray rot	927	1313		Uganda	995
2227		Ustilago zeae	1042	1048	powdery mildew	502	571		downy mildew	1302
diseases		2013			977 978 1097	1434			fermented maize ears	389
Argentina	424	1301			1740 1789	1938			fungus diseases	1070
Uruguay	958				virus diseases	2294			1696 1841 2070	
fungicides	2158	Vanilla. See Vanilla			Walnut. See Juglans.				grain disease	1358
mildew	537	planifolia			Water hyacinth. See				leaf gall	15
physiological diseases	1656	Vanilla planifolia			Eichhornia crassipes.				mold	1338
root rot	109	fungus diseases			Watermelon. See Passi-				rots	973 2286
rust	108 356 465 532	Vegetables			280				rust	1584 2228
735 757 797 917		bacterial soft rot	2306		Wheat. See Triticum.				seed treatment	2284
1131 1216 1460 1686		cocktony rot	280		Whitepalm. See Dictyosperma				sigatoka disease	1645
1843 1876 1987 2049		diseases			album.				smut	1042 1048 2013
2098 2112 2224 2225		Australia	1272		Willow. See Salix.				stalk rot	1846
2227 2230 2232-2235		Queensland	1830		Witchgrass. See Panicum.				streak disease	2076
2229 2301		Brazil	1679		Witchweed. See Striga				"verdin"	1358
scab		Puerto Rico	48	49	orchanchoides.				virus diseases	2222
seed treatment	796	1578			2151	Wood			white streak	655 1497
smut	407 745 972 1028				2021	rots	966 1369	1431	bacterial leaf disease	1065
1045 1248 1360 1390		seed treatment			1181	Wood decay	795		flower disease	1065
1398 1712 2158 2371		virus diseases			See also names of vegetables.				Zizyphus oenoplea	
take-all disease	109	1539			Velvetbean. See Stizolobium				rust	1802
1579					deeringianum.					