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The Protection of Peanuts: January 1979- July 1985

Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations

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The Protection of Peanuts: January 1979- July 1985

Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations

Compiled and Edited by
Charles N. Bebee
National Agricultural Library

Bibliographies and Literature
of Agriculture Number 45

United States Department of Agriculture
National Agricultural Library
Beltsville, Maryland 20705

and

United States Environmental Protection Agency
Office of Pesticides Programs
Washington, D.C. 20460

March 1986

FOREWORD

This is the eighth volume in a series of commodity-oriented environmental bibliographies resulting from a memorandum of understanding between the United States Department of Agriculture, National Agricultural Library (USDA-NAL), and the Environmental Protection Agency, Office of Pesticide Programs (EPA-OPP).

This close working relationship between the two agencies will produce a series of bibliographies which will be useful to EPA in the regulation of pesticides, as well as to any researcher in the field of plant or commodity protection. The broad scope of information contained in this series will benefit USDA, EPA, and the agricultural community as a whole.

The sources referenced in these bibliographies include the majority of the latest available information from United States publications involving commodity protection throughout the growing and processing stages for each agricultural commodity.

We welcome the opportunity to join this cooperative effort between USDA and EPA in support of the national agricultural community.

JOSEPH H. HOWARD, Director
National Agricultural Library

STEVEN SCHATZOW, Director
Office of Pesticide Programs

INTRODUCTION

The citations in this bibliography are selected from works by U.S. authors on all aspects of the protection of peanuts from diseases, insects, nematodes, chemicals, or other environmental conditions which affect the yield and quality of this commodity. All citations are derived from AGRICOLA (AGRICultural OnLine Access), the master bibliographic database compiled by the National Agricultural Library for its 1.8-million-volume collection.

This is the ninth bibliography in a series jointly sponsored by the National Agricultural Library, United States Department of Agriculture (USDA-NAL), and the Office of Pesticides Programs, Environmental Protection Agency (EPA-OPP). Other volumes in this series concern protection of corn, soybeans, cotton, wheat, pome fruits, stone fruits, chemigation, and sorghums and millets.

Entries in the bibliography are subdivided into a series of subject headings used in the table of contents of the Bibliography of Agriculture and in the National Agricultural Library Catalog. Each citation appears under the subject heading assigned to the particular item. A complete author index is also included in the publication.

The Office of Pesticides Programs, EPA, has furnished technical assistance to the compiler through members of a commodity-oriented environmental data team which included:

Charles D. Reese
H. Irving Brigham
Bernard Schneider, PhD.
Richard Petrie

Any comments or questions may be forwarded to the compiler:

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USDA, National Agricultural Library
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Hauser, E.W. Buchanan, G.A. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 74-81. 12 ref. (NAL Call No.: SB351.P3P39).

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Influence of twin rows on yield and weed control in peanuts.

PNTSB. Wehtje, G. Walker, R.H.; Patterson, M.G.; McGuire, J.A. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1984. v. 11 (2). p. 88-91. Includes 9 references. (NAL Call No.: DNAL SB351.P3P39).

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Influence of weed control programs in intensive cropping systems.

WEESA6. Glaze, N.C. Dowler, C.C.; Johnson, A.W.; Sumner, D.R. Champaign, Ill. : Weed Science Society of America. Weed science. Nov 1984. v. 32 (6). p. 762-767. Includes 10 references. (NAL Call No.: DNAL 79.8 W41).

0045

Management tactics that complement host resistance for control of *cylindrocladium* black rot of peanuts.

PNTSB. Black, M.C. Pataky, J.K.; Bente, M.K.; Wynne, J.C. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1984. v. 11 (2). p. 70-73. Includes 20 references. (NAL Call No.: DNAL SB351.P3P39).

0046

New biological seed treatment fungicide increases peanut yields.

Backman, P.A. Turner, J.T.; Crawford, M.A.; Clay, R.P. Auburn, Ala. : The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Spring 1984. v. 31 (1). p. 4. ill. (NAL Call No.: 100 AL1H).

0047

Peanut growth responses to different levels of leafspot (Pathogens of *Arachis hypogaea*, caused by *Cercospora arachidicola* and *Cercosporidium personatum*, Florida).
Teare, I.D. AGJOAT. Shokes, F.M.; Gorbet, D.W.; Littrell, R.H. Madison : American Society of Agronomy. Agronomy journal. Jan/Feb 1984. v. 76 (1). p. 103-106. ill. Includes references. (NAL Call No.: 4 AM34P).

0048

Peanut pest management in the Southeast / (authors, Herbert Womack ... (et al.)).
Womack, Herbert. Athens Cooperative Extension Service, University of Georgia, College of Agriculture 1981. Cover title ~September 1981. 26 p. : ill., col. photographs ; 28 cm. -. (NAL Call No.: 275.29 G29B no.850).

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Peanuts in narrow rows suppress weeds, boost yields.
Buchanan, G.A. AL-AR-SO. Hauser, E.; Starling, J.; Ivey, H. Auburn, The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Summer 1980. v. 27 (2). p. 7. ill. (NAL Call No.: 100 AL1H).

0050

Performance of atesta and intact peanut seed in field plots. Field microplots germination and pathogenicity tests.
PNTSB. Bell, D.K. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1984. v. 11 (2). p. 74-77. Includes 11 references. (NAL Call No.: DNAL SB351.P3P39).

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Production of peanuts as affected by weed competition and row spacing / Ellis Hauser and Gale A. Buchanan.
Hauser, Ellis. Auburn University Alabama Agricultural Experiment Station, Auburn University 1982. Caption title ~"November 1982.". 35 p. : ill. (some col.) ; 23 cm. -. Bibliography: p. 35. (NAL Call No.: 100 AL1S (1) no.538).

0052

Profile and pesticide-use characteristics of Georgia peanut growers.
GARRA. Ofiara, D.D. Allison, J.R. Athens, Ga. The Stations. Research report - University of Georgia, College of Agriculture, Experiment Stations. Oct 1984. (448). 43 p. maps. Includes 4 references. (NAL Call No.: DNAL S51.E22).

0053

Response of peanut, corn, tobacco, and soybean to *Criconebella ornata* (Nematode, yields).
Barker, K.R. JONEB. Schmitt, D.P.; Campos, V.P. Ames : Society of Nematologists. Journal of nematology. Oct 1982. v. 14 (4). p. 576-581. Includes references. (NAL Call No.: QL391.N4J62).

0054

Screening Virginia-type farmers' stock peanuts before storage (Filtering device to eliminate foreign material before grading and storage).
Dickens, J.W. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 13-16. Includes 9 references. (NAL Call No.: SB351.P3P39).

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Soybean yields as influenced by peanut hull applications (Waste products, mulch).
Reneau, R.B. Jr. Jones, G.D.; Lutz, J.A. Jr. Madison, Wis., American Society of Agronomy. Agronomy journal. July/Aug 1980. v. 72 (4). p. 682-685. ill. (NAL Call No.: 4 AM34P).

PLANT BREEDING

0056

Agronomic potential of six *Cylindrocladium* black rot resistant peanut lines

***Cylindrocladium crotalariae* .**

PNTSB. Coffelt, T.A. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1983. v. 10 (2). p. 72-75. Includes 15 references. (NAL Call No.: DNAL SB351.P3P39).

0057

Assessment of resistance to *Cercospora arachidicola* in peanut genotypes in field plots (Early leaf spot, *Arachis hypogaea*, wild *Arachis* species, hybrids, evaluated in Oklahoma).

Melouk, H.A. Banks, D.J.; Fanous, M.A. St. Paul, Minn. : American Phytopathological Society. Plant disease. May 1984. v. 68 (5). p. 395-397. Includes references. (NAL Call No.: 1.9 P69P).

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Breeding for leafspot resistance in peanut (Resistant varieties, Texas).

Simpson, C.E. Smith, D.H.; Smith, O.D.; Howard, E.R. College Station : The Station. PR - Texas Agricultural Experiment Station. Mar 1981. Mar 1981. (3854). 2 p. (NAL Call No.: 100 T31P).

0059

Breeding peanuts for disease resistance: rust and leafspot.

Hammons, R.O. AR-SO. (s.l.), The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 55. (NAL Call No.: SB320.A4).

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Breeding peanuts for resistance to colonization by *Aspergillus* species.

Mixon, A.C. AR-SO. (s.l.), The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 53. (NAL Call No.: SB320.A4).

0061

Breeding (peanuts) for resistance to *Cylindrocladium* (*crotalariae*) black rot and *Sclerotinia* (minor) blight.

Coffelt, T.A. AR-SO. Porter, D.M.; Garren, K.H. (s.l.), The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 54. (NAL Call No.: SB320.A4).

0062

Breeding peanuts for soil-borne disease resistance (*Pythium myriotylum*, *Rhizoctonia solani*, *Pratylenchus brachyurus*).

Smith, O.D. Boswell, T.E.; Grichar, W.J. College Station : The Station. PR - Texas Agricultural Experiment Station. Mar 1981. Mar 1981. (3853). 2 p. (NAL Call No.: 100 T31P).

0063

A comparison of methods of evaluating resistance to *Cylindrocladium crotalariae* in peanut field tests.

PNTSB. Green, C.C. Beute, M.K.; Wynne, J.C. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1983. v. 10 (2). p. 66-69. Includes 19 references. (NAL Call No.: DNAL SB351.P3P39).

0064

Comparison of pod and seed screening methods on *Aspergillus* colonization of peanut genotypes.

Mixon, A.C. AR-SO. Yoakum, Tex., The Association. Proceedings - American Peanut Research and Education Association. American Peanut Research and Education Association. 1979. v. 11 (1). p. 49. (NAL Call No.: SB320.A4).

0065

Comparison of pod and seed screening methods on *Aspergillus* spp. infection of peanut genotypes.

Mixon, A.C. AR-SO. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1980. v. 7 (1). p. 1-3. 18 ref. (NAL Call No.: SB351.P3P39).

0066

Components of resistance to *Puccinia arachidis* in peanuts (Rust, *Arachis hypogaea*, genotypes).

Subrahmanyam, P. PHYTA. McDonald, D.; Gibbons, R.W.; Subba Rao, P.V. St. Paul : American Phytopathological Society. Phytopathology. Feb 1983. v. 73 (2). p. 253-256. 25 ref. (NAL Call No.: 464.8 P56).

0067

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Henning, R.J. Allison, A.H.; Tripp, L.D. Yoakum, Tex. : American Peanut Research and Education Society, 1982. Peanut science and technology / edited by Harold E. Pattee and Clyde T. Young. p. 123-138. ill., maps. Includes references. (NAL Call No.: DNAL SB351.P3P42 1982).

0068

Cytology of a genetic abnormality in leaves of *Arachis* hybrids (Abstract only).
 Ferris, D.M. Richardson, P.E. St. Paul, Minn., American Phytopathological Society.
 Phytopathology. Aug 1981. v. 71 (8). p. 873.
 (NAL Call No.: 464.8 P56).

0069

Different ratios of general:specific virulence variance among isolates of *Cylindrocladium crotalariae* from different peanut genotypes (*Cylindrocladium* black rot).
 Black, M.C. Beute, M.K. St. Paul, Minn. : American Phytopathological Society.
 Phytopathology. Aug 1984. v. 74 (8). p. 941-945. ill. Includes 21 references. (NAL Call No.: 464.8 P56).

0070

Disease resistant groundnut released (*Arachis hypogaea*, *Cercospora arachidicola*, *Cercosporidium personatum*, *Puccinia arachidis*, *Cylindrocladium crotalariae*, peanuts).
 Hammons, R.O. Rome : Food and Agriculture Organization of the United Nations. Plant genetic resources newsletter. Sept 1982. Sept 1982. (51). p. 12-14. Includes references. (NAL Call No.: 451 F732).

0071

Estimates of (*Cercospora*) leafspot resistance in three interspecific hybrids of *Arachis* (Peanuts).
 Sharief, Y. Rawlings, J.D. Wageningen, Netherlands Study Circle of Plant Breeding.
 Euphytica. Oct 1978. v. 27 (3). p. 741-751. ill. 14 ref. (NAL Call No.: 450 EU6).

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Evaluating peanuts for resistance to *Cylindrocladium* black rot (*Calonectria crotalariae*, *Cylindrocladium crotalariae*, groundnut, breeding).
 Hammons, R.O. Bell, D.K.; Sobers, E.K. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. July/Dec 1981. v. 8 (2). p. 117-120. Includes 30 ref. (NAL Call No.: SB351.P3P39).

0073

Evaluation of cultivated and wild peanut species for resistance to the lesser cornstalk borer (*Lepidoptera*:*Pyrilidae*) (*Elasmopalpus lignosellus*, *Arachis hypogaea*).
 Stalker, H.T. Campbell, W.V.; Wynne, J.C. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb

1984. v. 77 (1). p. 53-57. Includes references. (NAL Call No.: 421 J822).

0074

Factors associated with resistance to *Puccinia arachidis* (Peanut genotypes, rust).
 Sokhi, S.S. PNTSB. Jhooty, J.S. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1982. v. 9 (2). p. 96-97. 8 ref. (NAL Call No.: SB351.P3P39).

0075

Genetic, agronomic, botanical, physical, chemical, and organoleptic evaluation of peanuts, *Arachis hypogaea* L. / by Eric Gordon Stone.
 Stone, Eric Gordon, 1931. 1968. Thesis (Ph.D.)--Oklahoma State University, 1968. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. x, 149 leaves ; 21 cm. Bibliography: leaves 64-67. (NAL Call No.: DISS 69-14,343).

0076

Genetic variability and heritability estimates based on the F2 generation from crosses of large-seeded Virginia-type peanuts with lines resistant to *Cylindrocladium* black rot (*Arachis hypogaea*).
 Green, C.C. PNTSB. Wynne, J.C.; Beute, M.K. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1983. v. 10 (1). p. 47-51. Includes references. (NAL Call No.: SB351.P3P39).

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Heritability of *Cylindrocladium* (*crotalariae*) black rot resistance in peanut.
 Hadley, B.A. Beute, M.K. Yoakum, Tex., American Peanut Research and Education Association. Peanut science. Jan/June 1979. v. 6 (1). p. 51-54. ill. 17 ref. (NAL Call No.: SB351.P3P39).

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Inheritance of a necrotic-etch leaf disease in peanuts.
 Hammons, R.O. AR-SD. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1980. v. 7 (1). p. 13-14. ill. 6 ref. (NAL Call No.: SB351.P3P39).

0079

Inheritance of resistance to *Cercospora arachidicola* and *Cercosporidium personatum* in six Virginia-type peanut lines.
Kornegay, J.L. Beute, M.K.; Wynne, J.C. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1980. v. 7 (1). p. 4-9. 14 ref. (NAL Call No.: SB351.P3P39).

0080

A new gene for peanut mottle virus resistance in soybean.
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Pesticide interactions with peanut cultivars (Genetic vulnerability of crops, herbicide usage).
Hauser, E.W. Buchanan, G.A.; Harvey, J.E.; Currey, W.L.; Gorbett, D.W.; Minton, N.A. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. July/Dec 1981. v. 8 (2). p. 142-144. Includes 5 ref. (NAL Call No.: SB351.P3P39).

0082

Potential for reducing peanut aflatoxin (breeding for resistance against *Aspergillus*).
Mixon, A.C. AR-SO. Tifton, Ga., Georgia Agricultural Commodity Commission for Peanuts. Southeastern peanut farmer. May 1980. v. 18 (5). p. 13. ill. (NAL Call No.: HD9235.P32S6).

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Reducing aflatoxin contamination in peanut genotypes by selection and breeding.
Mixon, A.C. Champaign, Ill., The Society. Journal of the American Oil Chemists' Society. Dec 1981. Presented at the Walter A. Pons, Jr. Memorial Symposium on Mycotoxins, New Orleans, La., May 19-20, 1981. v. 58 (12). p. 961A-966A. 68 ref. (NAL Call No.: 307.8 J82).

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Registration of *Cercospora arachidicola*-resistant peanut germplasm (Reg. No. GP 10).
Hammons, R.O. AR-SO. Sowell, G. Jr.; Smith, D.H. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1980. v. 20 (2). p. 292. 1 ref. (NAL Call No.: 64.8 C883).

0085

Registration of eight peanut germplasm lines resistant to rust.
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0086

Registration of peanut germplasms Tifrust-1 to Tifrust-4 (Resistance, *Puccinia arachidis*).
Hammons, R.O. Subrahmanyam, P.; Rao, V.R.; Nigam, S.N.; Gibbons, R.W. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1982. v. 22 (2). p. 453. (NAL Call No.: 64.8 C883).

0087

Relationships of CBR and insect resistance and yield among progenies of a CBR-resistant X insect-resistant cross *Cylindrocladium black rot*.
PNTSB. Green, C.C. Wynne, J.C.; Beute, M.K.; Campbell, W.V. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1983. v. 10 (2). p. 84-88. Includes 12 references. (NAL Call No.: DNAL SB351.P3P39).

0088

Relative susceptibilities of component lines of peanut cultivars Early Bunch and Florunner to early and late leafspots (*Cercospora arachidicola*, *Cercosporidium personatum*).
Jackson, L.F. PNTSB. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1983. v. 10 (1). p. 3-5. Includes references. (NAL Call No.: SB351.P3P39).

0089

Resistance of peanuts to the twospotted spider mite (*Acari: Tetranychidae*) (*Tetranychus urticae*, cultivars, North Carolina).
Johnson, D.R. JEENA. Campbell, W.V.; Wynne, J.C. College Park : Entomological Society of America. Journal of economic entomology. Dec 1982. v. 75 (6). p. 1045-1047. 8 ref. (NAL Call No.: 421 J822).

0090

Resistance to peanut mottle virus in *Arachis* spp.
Demski, J.W. Sowell, G. Jr. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 43-44. 16 ref. (NAL Call No.: SB351.P3P39).

0081

Resistance to peanut stunt virus in cultivated and wild *Arachis* species.

Herbert, T.T. Stalker, H.T. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 45-47. 8 ref. (NAL Call No.: SB351.P3P39).

0092

Resistance to rust and late leafspot diseases in some genotypes of *Arachis hypogaea* (*Puccinia arachidis*, *Cercosporidium personatum*, peanuts). Subrahmanyam, P. McDonald, D.; Gibbons, R.W.; Nigam, S.N.; Nevill, D.J. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. Jan/June 1982. v. 9 (1). p. 6-10. 18 ref. (NAL Call No.: SB351.P3P39).

0093

Screening for resistance to *Cylindrocladium* black rot in peanuts (*Arachis hypogaea* L.) (*Calonectria crotalariae*, *Cylindrocladium crotalariae*, Virginia, genetic vulnerability). Coffelt, T.A. Garren, K.H. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. Jan/June 1982. v. 9 (1). p. 1-5. 19 ref. (NAL Call No.: SB351.P3P39).

0094

Screening methods and further sources of resistance to peanut rust (*Puccinia arachidis*). Subrahmanyam, P. Gibbons, R.W.; Nigam, S.N.; Rao, V.R. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1980. v. 7 (1). P. 10-12. ill. 8 ref. (NAL Call No.: SB351.P3P39).

0095

Screening peanut germ plasm lines by enzyme-linked immunosorbent assay for seed transmission of peanut mottle virus. Bharathan, N. Reddy, D.V.R.; Rajeshwari, R.; Murthy, V.K.; Rao, V.R.; Lister, R.M. St. Paul, Minn. : American Phytopathological Society. Plant disease. Sept 1984. v. 68 (9). p. 757-758. Includes 12 references. (NAL Call No.: 1.9 P69P).

0096

Screening peanut germplasm for resistance to corn earworm. PNTSB. Holley, R.N. Weeks, W.W.; Wynne, J.C.; Campbell, W.V. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1984. v. 11 (2). p. 105-108. Includes 11 references. (NAL Call No.: DNAL SB351.P3P39).

0097

Screening peanut plant introductions in controlled environment chambers for resistance to *Rhizoctonia solani*.

Woodard, K.E. Jones, B.L. St. Paul, Minn., American Phytopathological Society. Plant disease. Oct 1980. v. 64 (10). p. 949-950. 5 ref. (NAL Call No.: 1.9 P69P).

0098

Screening peanuts (*Arachis hypogaea* L.) for resistance to *Sclerotinia* blight.

Coffelt, T.A. AR-SD. Porter, D.M. (s.l.), The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 69. (NAL Call No.: SB320.A4).

0099

A second gene for resistance to peanut mottle virus in soybeans.

Shipe, E.R. Buss, G.R. Madison, Wis., Crop Science Society of America. Crop science. Sept/Oct 1979. v. 19 (5). p. 656-658. ill. 18 ref. (NAL Call No.: 64.8 C883).

0100

Sources of resistance to peanut mottle virus in *Arachis* germ plasm (*Rhizomatosae*).

Melouk, H.A. Sanborn, M.R.; Banks, D.J. St. Paul, Minn. : American Phytopathological Society. Plant disease. July 1984. v. 68 (7). p. 563-564. Includes references. (NAL Call No.: 1.9 P69P).

0101

Sporulation of *Cercospora arachidicola* as a criterion for screening peanut genotypes for leaf spot resistance (*Arachis* spp., including the domestic *Arachis hypogaea*).

Gobina, S.M. PHYTA. Melouk, H.A.; Banks, D.J. St. Paul : American Phytopathological Society. Phytopathology. Apr 1983. v. 73 (4). p. 556-558. Includes references. (NAL Call No.: 464.8 P56).

0102

Two-state effort produces highly resistant peanut (*Tifton-8*, germplasm, disease and pest resistance, Virginia, Georgia).

Tifton, Ga. : Georgia Agricultural Commodity Commission for Peanuts. Southeastern peanut farmer. Aug 1984. v.22 (8). p. 7. (NAL Call No.: HD9235.P3256).

(PLANT BREEDING)

0103

Variability of *Cylindrocladium crotalariae*
response to resistant host plant selection
pressure in peanut.

Hadley, B.A. Beute, M.K. St. Paul, Minn.,

American Phytopathological Society.

Phytopathology. Oct 1979. v. 69 (10). p.

1112-1114. ill. 11 ref. (NAL Call No.: 464.8
P56).

PLANT STRUCTURE

0104

Cylindrocladium crotalariae-induced periderm formation in taproot and fibrous roots of *Arachis hypogaea*.
Harris, N.E. PNTSB. Beute, M.K. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1982. v. 9 (2). p. 82-86. ill. 6 ref. (NAL Call No.: SB351.P3P39).

0105

Effects of nitrogen fertilization on *Cylindrocladium* black rot of peanuts and peanut yield (*Cylindrocladium crotalariae*, North Carolina).
Pataky, J.K. Black, M.C.; Hollowell, J.; Beute, M.K. St. Paul, Minn. : American Phytopathological Society. Plant disease. Aug 1984. v. 68 (8). p. 674-677. ill. Includes 13 references. (NAL Call No.: 1.9 P69P).

0106

Genetic, agronomic, botanical, physical, chemical, and organoleptic evaluation of peanuts, *Arachis hypogaea* L. / by Eric Gordon Stone.
Stone, Eric Gordon, 1931. 1968. Thesis (Ph.D.)--Oklahoma State University, 1968. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. x, 149 leaves ; 21 cm. Bibliography: leaves 64-67. (NAL Call No.: DISS 69-14,343).

0107

Histological responses of peanut germplasm resistant and susceptible to *Cylindrocladium crotalariae* in relationship to inoculum density (*Arachis hypogaea*, black rot).
Harris, N.E. Beute, M.K. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1982. v. 72 (9). p. 1250-1256. ill. 19 ref. (NAL Call No.: 464.8 P56).

0108

Biochemical studies of peanut (*Arachis hypogaea* L.) quality.
Young, Clyde Thomas, 1930. Ann Arbor, Mich. University Microfilms 1971. Thesis--Oklahoma State University, 1970. x, 174 leaves.
Bibliography: leaves 170-174. (NAL Call No.: DISS 71-11,310).

0109

Critical levels of soil- and nutrient-solution calcium for vegetative growth and fruit development of Florunner peanuts (Includes deficiency).
Wolt, J.D. Adams, F. Madison, Wis., The Society. Journal. Soil Science Society of America. Nov/Dec 1979. v. 43 (6). p. 1159-1164. ill. 19 ref. (NAL Call No.: 56.9 S03).

0110

The effect of rate and method of application of N, P, and K on yield, quality and chemical composition of Spanish and Runner peanuts / by Milton Eldridge Walker.
Walker, Milton Eldridge. 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1973 --Thesis (Ph.D.)--University of Georgia, 1971. xi, 93 leaves ; 21 cm. Bibliography: leaves 61-66. (NAL Call No.: DISS 72-34,159).

0111

Effect of variety, location and year on tannin content of peanut seed coats (Correlation with resistance to *Aspergillus parasiticus*).
Sanders, T.H. Yoakum, Tex., American Peanut Research and Education Association. Peanut science. Jan/June 1979. v. 6 (1). p. 62-64. ill. 8 ref. (NAL Call No.: SB351.P3P39).

0112

Effects of applied plant nutrients on Sclerotinia blight incidence in peanuts (*Sclerotinia minor*, foliar fertilization).
Hallock, D.L. Porter, D.M. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 48-52. 20 ref. (NAL Call No.: SB351.P3P39).

0113

Foliar fertilization effects on yield, quality, nutrient uptake, and vegetative characteristics of Florunner peanuts.
Walker, M.E. PNTSB. Gaines, T.P.; Henning, R.J. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1982. v. 9 (2). p. 53-57. 8 ref. (NAL Call No.: SB351.P3P39).

0114

Involvement of nutrition and fungi in the peanut pod rot complex (*Arachis hypogaea*, *Pythium* spp., *Rhizoctonia* spp., *Fusarium* spp., calcium deficiency disorders).
Csinos, A.S. Gaines, T.P.; Walker, M.E. St. Paul, American Phytopathological Society. Plant disease. Jan 1984. v. 68 (1). p. 61-65. Includes references. (NAL Call No.: 1.9 P69P).

0115

Isolation, selection and evaluation of *Rhizobium* under controlled conditions (Bean (*Phaseolus vulgaris*), lentil (*Lens esculenta*), cowpea (*Vigna unguiculata*), peanut (*Arachis hypogaea*)).
Kremer, R.J. CSOSA. Peterson, H.L. New York : Marcel Dekker. Communications in soil science and plant analysis. 1982. v. 13 (9). p. 749-774. 28 ref. (NAL Call No.: S590.C63).

0116

Leaf analysis for monitoring the fertilizer requirements of peanut.
Brar, M.S. Singh, B.; Sekhon, G.S. New York, Marcel Dekker. Communications in soil science and plant analysis. 1980. v. 11 (4). p. 335-346. 6 ref. (NAL Call No.: S590.C63).

0117

Liming, fertilization and mineral nutrition.
Cox, F.R. Adams, F.; Tucker, B.B. Yoakum, Tex. : American Peanut Research and Education Society. 1982. Peanut science and technology / edited by Harold E. Pattee and Clyde T. Young. Literature review. p. 139-163. Includes references. (NAL Call No.: DNAL SB351.P3P42 1982).

0118

Phosphorus nutrition of cotton, peanuts, rice, sugarcane, and tobacco.
Nelson, L.E. Madison, Wis., American Society of Agronomy, 1980. The Role of phosphorus in agriculture, (editors) F. E. Khasawneh, E. C. Sample, E. J. Kamprath. Literature review. p. 693-736. ill. Bibliography p. 729-736. (NAL Call No.: S647.R64).

0119

Response of peanuts and other crops to fertilizers and lime in two long term experiments.
PNTSB. Cope, J.T. Starling, J.G.; Ivey, H.W.; Mitchell, C.C. Jr. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1984. v. 11 (2). p. 91-94. Includes 13 references. (NAL Call No.: DNAL SB351.P3P39).

0120

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Hartzog, D.L.HARAA. Adams, F. Auburn : The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Summer 1983. v. 30 (2). p. 19. (NAL Call No.: 100 AL1H).

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0121

Aflatoxin inhibition and fungistasis by peanut tannins (*Aspergillus parasiticus*).
Lansden, J.A. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. Jan/June 1982. v. 9 (1). p. 17-20. 15 ref. (NAL Call No.: SB351.P3P39).

0122

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0123

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0124

The effect of rate and method of application of N, P, and K on yield, quality and chemical composition of Spanish and Runner peanuts / by Milton Eldridge Walker.
Walker, Milton Eldridge. 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1973 -Thesis (Ph.D.)--University of Georgia, 1971. xi, 93 leaves ; 21 cm. Bibliography: leaves 61-66. (NAL Call No.: DISS 72-34,159).

0125

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Wolnik, K.A. JAFCA. Fricke, F.L.; Capar, S.G.; Braude, G.L.; Meyer, M.W. Washington : American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1983. v. 31 (6). p. 1240-1244. maps. Includes references. (NAL Call No.: 381 J8223).

0126

On the control and activation of metabolism during germination of *Arachis hypogaea* / Jennifer Reed.
Reed, Jennifer. 1944. 1970. Thesis (Ph.D.)--University of Pennsylvania, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. xx, 102 leaves ; 21 cm. Bibliography: leaves xi-xx. (NAL Call No.: DISS

70-25,720).

0127

Pentachloronitrobenzene (fungicide) metabolism in peanut. 1. Mass spectral characterization of seven glutathione-related conjugates produced in vivo or in vitro.
Lamoureux, G.L. AR-NC. Rusness, D.G. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1980. v. 28 (6). p. 1057-1070. ill. Bibliography p. 1069-1070. (NAL Call No.: 381 J8223).

0128

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Rusness, D.G. AR-NC. Lamoureux, G.L. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1980. v. 28 (6). p. 1070-1077. ill. 23 ref. (NAL Call No.: 381 J8223).

0129

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Lamoureux, G.L. Gouot, J.M.; Davis, D.G.; Rusness, D.G. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Sept/Oct 1981. v. 29 (5). p. 996-1002. ill. 6 ref. (NAL Call No.: 381 J8223).

0130

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Boote, K.J. Jones, J.W.; Smerage, G.H.; Barfield, C.S.; Berger, R.D. Madison, Wis., American Society of Agronomy. Agronomy journal. Mar/Apr 1980. v. 72 (2). p. 247-252. ill. 16 ref. (NAL Call No.: 4 AM34P).

0131

Photosynthetic recovery of peanuts to defoliation at various growth stages (Modeling, pest management, defoliation, photosynthesis, carbon exchange).
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0132

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PROTECTION OF PLANTS

0133

Effects of drought on Florunner peanuts.

Pallas, J.E. Jr. Stansell, J.R. Madison, The Society. Agronomy journal. American Society of Agronomy. Sept/Oct 1979. v. 71 (5). p. 853-858. ill. 33 ref. (NAL Call No.: 4 AM34P).

0134

Effects of infestation of peanut (groundnut) seed by the testa nematode, Aphelenchoides arachidis, on seed infection by fungi and on seedling emergence.

McDonald, D. Bos, W.S. Beltsville, Md., Science and Education Administration, U.S. Dept. of Agriculture. Plant disease reporter. June 1979. v. 63 (6). p. 464-467. ill. 3 ref. (NAL Call No.: 1.9 P69P).

0135

Lesion nematode (Pratylenchus brachyurus) resistance in peanuts.

Smith, O.D. Boswell, T.E. Madison, Crop Science Society of America. Crop science. Nov/Dec 1978. v. 18 (6). p. 1008-1011. ill. 10 ref. (NAL Call No.: 64.8 C883).

0136

Nematodes: small pests that cause big problems (Peanuts).

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0137

Peanut disease guide North Carolina and Virginia.

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0138

Planting time and postemergence use of ethylene dibromide-chloropicrin mixtures for control of root-knot nematodes (Meloidogyne arenaria, Meloidogyne hapla, Pratylenchus) on Florunner peanuts.

Rodriguez-Kabana, R. King, P.S. Auburn, Agricultural Experiment Station of Auburn University. Highlights of agricultural research. Spring 1979. v. 26 (1). p. 19-20. (NAL Call No.: 100 AL1H).

0139

Relative effectiveness of several Mn (manganese) sources on Virginia-type peanuts (Deficiency diseases).

Hallock, D.L. Madison. Agronomy journal. American Society of Agronomy. July/Aug 1979. v. 71 (4). p. 685-688. ill. 9 ref. (NAL Call No.: 4 AM34P).

0140

Should you use airplanes for pesticide sprays? (Application methods for peanut crops).

Mayfield, W.D. Raleigh, Harvest. The Peanut farmer. May 1980. v. 16 (5). p. 8, 13. ill. (NAL Call No.: SB351.A1P3).

0141

Two-state effort produces highly resistant peanut (Tifton-8, germplasm, disease and pest resistance, Virginia, Georgia).

Tifton, Ga. : Georgia Agricultural Commodity Commission for Peanuts. Southeastern peanut farmer. Aug 1984. v.22 (8). p. 7. (NAL Call No.: HD9235.P32S6).

PESTS OF PLANTS – GENERAL AND MISC.

0142

Compendium of peanut diseases /edited by D. Morris Porter, Donald H. Smith, and R. Rodriguez-Kabana. -.
Porter, D. Morris.; Smith, Donald H._1918-;
Rodriguez-Kabana, R. St. Paul, Minn. : American
Phytopathological Society, c1984. vii, 73 p.,
20 p. of plates : ill. (some col.) ; 28 cm.
-. Includes bibliographies and index. (NAL Call
No.: DNAL SB608.P37C66).

0143

Evaluation of pest management programs for
cotton, peanuts and tobacco in the United
States / by Rosmarie von Rumker ... (et al.) ;
for Council on Environmental Quality.
Von Rumker, Rosmarie. (Washington, D.C.?)
Office of Pesticide Programs, Office of Water
and Hazardous Materials, Environmental
Protection Agency 1975. v, 108 p. : maps ; 28
cm. Bibliography: p. 105-108. (NAL Call No.:
MLCM 83/1008).

0144

Use scouting to manage pests (Peanuts).
French, J.C. Raleigh, Harvest. The Peanut
farmer. June 1979. v. 15 (6). p. 14-15. ill.
(NAL Call No.: SB351.A1P3).

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0145

Acquisition, viability, and transmission of peanut stunt virus (PSV) by *Aphis craccivora* and *Myzus persicae* / by O. William Isakson, Jr.
Isakson, O. William (Oscar William), 1933. 1970. Thesis (Ph.D.)--Virginia Polytechnic Institute, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. v, 41 leaves ; 21 cm. Bibliography: leaves 33-35. (NAL Call No.: DISS 70-19,186).

0146

Analysis of sampling procedures for corn earworm and fall armyworm (*Lepidoptera:Noctuidae*) in peanuts (*Heliothis zea*, *Spodoptera frugiperda*).
Linker, H.M. Johnson, F.A.; Stimac, J.L.; Poe, S.L. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1984. v. 13 (1). p. 75-78. ill. Includes references. (NAL Call No.: QL461.E532).

0147

Aphid populations and spread of peanut mottle virus (*Aphis craccivora*, *Myzus persicae*, *Rhopalosiphum maidis*).
Highland, H.B. Demski, J.W.; Chalkley, J.H. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. July/Dec 1981. v. 8 (2). p. 99-102. Includes 12 ref. (NAL Call No.: SB351.P3P39).

0148

Arthropod resistance in peanuts, *Arachis hypogaea* L., in the United States.
Smith, J.W. Jr. TX. College Station, Tex., The Station. MP - Texas Agricultural Experiment Station. July 1980. July 1980. (1451). p. 448-457. Bibliography p. 456-457. (NAL Call No.: 100 T31M).

0149

Attempted dispersal of the twospotted spider mite, *Tetranychus urticae*, on greenhouse-grown peanut leaves in response to pesticides and irrigation (*Arachis hypogaea*, residues).
Boykin, L.S. PNTSB. Campbell, W.V.; Nelson, L.A. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1983. v. 10 (1). p. 1-3. Includes references. (NAL Call No.: SB351.P3P39).

0150

Bollworm (*Heliothis zea*): peanut foliage consumption and larval development.
Huffman, F.R. Smith, J.W. Jr. College Park, Md., Entomological Society of America. Environmental entomology. June 1979. v. 8 (3). p. 465-467. ill. 7 ref. (NAL Call No.: QL461.E532).

0151

Controlling late season insects (Peanut).
Lynch, R.E. AR-SO. Tifton, Ga., Georgia Agricultural Commodity Commission for Peanuts. Southeastern peanut farmer. Aug 1980. v. 18 (8). p. 15. ill. (NAL Call No.: HD9235.P32S6).

0152

The damage and control of the lesser cornstalk borer, *Elasmopalpus lignosellus* (Zeller), on peanuts and the effect of soil moisture on its biology / by John C. French.
French, John C. (John Carlton), 1930. 1971. Thesis (Ph.D.)--Clemson University, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. ix, 80 leaves ; 21 cm. Bibliography: leaves (65)-68. (NAL Call No.: DISS 72-20,771).

0153

Damage and preference of lesser cornstalk borer (*Lepidoptera: Pyralidae*) larvae for peanut pods in different stages of maturity (*Elasmopalpus lignosellus*, *Arachis hypogaea*).
Lynch, R.E. College Park, Md. : Entomological Society of America. Journal of economic entomology. Apr 1984. v. 77 (2). p. 360-363. Includes references. (NAL Call No.: 421 J822).

0154

Distribution of *Heliothis zea* eggs and first-instar larvae on peanuts (Georgia).
Pencoe, N.L. Lynch, R.E. College Park, Md., Entomological Society of America. Environmental entomology. Feb 1982. v. 11 (1). p. 243-245. Includes 10 ref. (NAL Call No.: QL461.E532).

0155

Does it pay to control thrips? (Peanuts, Florida).
Shelton, A. Raleigh, Harvest Publishing Co. The Peanut farmer. July 1981. v. 17 (7). p. 20. ill. (NAL Call No.: SB351.A1P3).

0156

Does thrips control on peanuts pay? (Negative economic advantage of insecticide use in Texas).

Smith, J.W. Jr. College Station : The Station. PR - Texas Agricultural Experiment Station. Mar 1981. Mar 1981. (3855). 2 p. Includes references. (NAL Call No.: 100 T31P).

0157

Ecology of Elasmopalpus lignosellus parasite complex on peanuts in Texas.

Johnson, S.U. Smith, J.W. Jr. College Park, Md., The Society. Annals of the Entomological Society of America. Sept 1981. v. 74 (5). p. 467-471. 20 ref. (NAL Call No.: 420 EN82).

0158

An economic evaluation of integrated pest management for cotton, peanuts, and soybeans in Georgia.

GARBB. Hatcher, J.E. Wetzstein, M.E.; Douce, G.K. Athens, Ga. : The Stations. Research bulletin - University of Georgia, Experiment Stations. Nov 1984. (318). 28 p. maps. Includes references. (NAL Call No.: DNAL S51.E2).

0159

Economics of tobacco thrips (Frankliniella fusca) control with systemic pesticides (aldicarb, carbofuran, disulfoton) on Florunner peanuts in Florida.

Tappan, W.B. Gorbett, D.W. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1981. v. 74 (3). p. 283-286. Bibliography p. 286. (NAL Call No.: 421 J822).

0160

Effect of barren soil borders and weed border treatments on movement of the twospotted spider mite into peanut fields (Tetranychus urticae, North Carolina).

Boykin, L.S. Campbell, W.V.; Nelson, L.A. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 52-55. ill. Includes 8 references. (NAL Call No.: SB351.P3P39).

0161

Effect of pesticides on Neozygites floridana (Entomophthorales: Entomophthoraceae) and arthropod predators attacking the twospotted spider mite (Acari: Tetranychidae) in North Carolina peanut fields (Tetranychus urticae, biological control).

Boykin, L.S. Campbell, W.V.; Beute, M.K. College Park, Md. : Entomological Society of

America. Journal of economic entomology. Aug 1984. v. 77 (4). p. 969-975. ill. Includes 18 references. (NAL Call No.: 421 J822).

0162

Effect of planting data on insect damage and yield of peanuts.

Lynch, R.E. AR-SO. Garner, J.W. (s.l.), The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 72. (NAL Call No.: SB320.A4).

0163

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0164

Effects of temperature and adult age on the oviposition rate of Elasmopalpus lignosellus (Zeller), the lesser cornstalk borer.

EVETEX. Mack, T.P. Backman, C.B. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1984. v. 13 (4). p. 966-969. Includes references. (NAL Call No.: DNAL QL461.E532).

0165

Evaluation of cultivated and wild peanut species for resistance to the lesser cornstalk borer (Lepidoptera:Pyralidae) (Elasmopalpus lignosellus, Arachis hypogaea).

Stalker, H.T. Campbell, W.V.; Wynne, J.C. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1984. v. 77 (1). p. 53-57. Includes references. (NAL Call No.: 421 J822).

0166

Evaluation of insecticides for control of foliage-feeding Lepidoptera larvae on Texas peanuts, 1975, 1977, and 1978.

Sams, R.L. TX. Smith, J.W. Jr. College Station, Tex., The Station. PR - Texas Agricultural Experiment Station. Feb 1980. Feb 1980. (3649). 7 p. 4 ref. (NAL Call No.: 100 T31P).

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0167

Evaluation of insecticides for lesser cornstalk borer (*Elasmopalpus lignosellus*) control on peanuts.

Sams, R.L. TX. Smith, J.W. Jr. College Station, Tex., The Station. PR - Texas Agricultural Experiment Station. Aug 1979. Aug 1979. (3587). 5 p. 7 ref. (NAL Call No.: 100 T31P).

0168

Evaluation of pitfall traps for sampling lesser cornstalk borer (*Elasmopalpus lignosellus*) larvae in peanuts (in Alabama).

Jones, D. Bass, M.H. College Park, Entomological Society of America. Journal of economic entomology. Apr 15, 1979. v. 72 (2). p. 289-290. ill. 4 ref. (NAL Call No.: 421 J822).

0169

Evaluation of six insecticides applied at planting for thrips (*Frankliniella fusca*) control on Texas peanuts.

Sams, R.L. Smith, J.W. Jr. College Station. PR Texas. Agricultural Experiment Station. Dec 1978. Dec 1978. (3525). 9 p. ill. 7 ref. (NAL Call No.: 100 T31P).

0170

Evidence for the involvement of soilborne mites (*Caloglyphus* spp.) in *Pythium* (*myriotylum*) pod rot of peanut.

Shew, H.D. Beute, M.K. St. Paul, American Phytopathological Society. Phytopathology. Mar 1979. v. 69 (3). p. 204-207. ill. 22 ref. (NAL Call No.: 464.8 P56).

0171

Fall armyworm leaf consumption (*Spodoptera frugiperda*) and development on Florunner peanuts (*Arachis hypogaea*, pests, varieties, defoliation).

Garner, J.W. Lynch, R.E. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1981. v. 74 (2). p. 191-193. ill. 12 ref. (NAL Call No.: 421 J822).

0172

Fecundity and feeding preference of the twospotted spider mite (*Tetranychus urticae*) on domestic and wild species of peanuts.

Johnson, D.R. Campbell, W.V.; Wynne, J.C. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 1980. v. 73 (4). p. 575-576. 4 ref. (NAL Call No.: 421 J822).

0173

Fecundity of the lesser cornstalk borer, *Elasmopalpus lignosellus*, from Florunner and Spanhoma peanut cultivars (Pest in spanish peanuts grown in Oklahoma).

Berberet, R.C. PNTSB. Cook, P.J.; Sander, D.A. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1982. v. 9 (2). p. 60-62. ill. 6 ref. (NAL Call No.: SB351.P3P39).

0174

Feeding preferences and colonization abilities of three aphid vectors (Homoptera:Aphididae) of peanut mottle virus on selected host plants.

EVETEX. Highland, H.B. Roberts, J.E. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1984. v. 13 (4). p. 970-974. Includes references. (NAL Call No.: DNAL QL461.E532).

0175

Field and laboratory tests for genetic resistance of peanuts to the tobacco thrips, *Frankliniella fusca* (Hinds) / by Sharon Clairene Young.

Young, Sharon Clairene, 1942. Ann Arbor, Mich. University Microfilms 1971. Thesis--Oklahoma State University, 1969. Facsimile produced by microfilm-xerography. ix, 113 leaves. Bibliography: leaves 75-79. (NAL Call No.: DISS 70-21,515).

0176

Greenhouse evaluation of 490 peanut lines for resistance to the lesser cornstalk borer / by

J. W. Smith, Jr., L. Posada, and O. D. Smith. Smith, J. W. Posada, L.; Smith, Olin D. College Station Texas Agricultural Experiment Station, Texas A & M University System 1980. Chiefly tables. 42 p. : ill. ; 28 cm. -. (NAL Call No.: 100 T31M no.1464).

0177

Impact of peanut phenology on select population parameters of fall armyworm (*Spodoptera frugiperda*).

Barfield, C.S. AR-SO. Smith, J.W. Jr.; Carlisle, C.; Mitchell, E.R. College Park, Md., Entomological Society of America. Environmental entomology. Aug 1980. v. 9 (4). p. 381-384. ill. 10 ref. (NAL Call No.: QL461.E532).

0178

Influence of systemic insecticides on thrips damage and yield of Florunner peanuts in Georgia (*Frankliniella fusca*, *Arachis hypogaea*).

Lynch, R.E. Garner, J.W.; Morgan, L.W. Clemson, S.C. : South Carolina Entomological Society. Journal of agricultural entomology. Jan 1984. v. 1 (1). p. 33-42. Includes references. (NAL Call No.: SB599.J69).

0179

Insects to watch for when you irrigate (Peanuts).

Womack, H. Raleigh, Harvest. The Peanut farmer. June 1979. v. 15 (6). p. 35. (NAL Call No.: SB351.A1P3).

0180

Insects vs. you (Peanut pest management).

Adams, D.B. Raleigh, Harvest. The Peanut farmer. Mar 1980. v. 16 (3). p. 24. (NAL Call No.: SB351.A1P3).

0181

Irrigate insects: a research update on what's being done to control insects through irrigation (Peanuts).

Tifton, Ga., Georgia Agricultural Commodity Commission for Peanuts. Southeastern peanut farmer. Aug 1980. v. 18 (8). p. 10. (NAL Call No.: HD9235.P32S6).

0182

Leaf area consumption of cotton, peanuts, and soybeans by adult *Graphognathus peregrinus* and *Graphognathus leucoloma*.

Ottens, R.J. Todd, J.W. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 55-57. ill. 9 ref. (NAL Call No.: 421 J822).

0183

Lesser cornstalk borer control in peanuts.

Cobb, L.C. Tifton, Ga. : Georgia Agricultural Commodity Commission for Peanuts. Southeastern peanut farmer. July 1984. v. 22 (7). p. 7. (NAL Call No.: HD9235.P32S6).

0184

Lesser cornstalk borer: effect of host and stage of host development on damage (Peanuts). Lynch, R.E. Tifton, Ga. : Georgia Agricultural Commodity Commission for Peanuts. Southeastern peanut farmer. July 1984. v. 22 (7). p. 9. (NAL Call No.: HD9235.P32S6).

0185

Lesser cornstalk borer (*Elasmopalpus lignosellus*) larval density and damage to peanuts (in Gorman, Texas).

Smith, J.W. Jr. Holloway, R.L. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 15, 1979. v. 72 (4). p. 535-537. ill. 22 ref. (NAL Call No.: 421 J822).

0186

Management of insect pests of broccoli, cowpeas, spinach, tomatoes, and peanuts with chemigation by insecticides in oils, and reduction of watermelon virus 2 by chemigated oil.

Chalfant, R.B. Young, J.R. College Park, Md. : Entomological Society of America. Journal of economic entomology. Oct 1984. v. 77 (5). p. 1323-1326. Includes 6 references. (NAL Call No.: 421 J822).

0187

Management of preharvest insects.

Smith, J.W. Jr. Barfield, C.S. Yoakum, Tex. : American Peanut Research and Education Society, 1982. Peanut science and technology / edited by Harold E. Pattee and Clyde T. Young. Literature review. p. 250-325. ill. Includes references. (NAL Call No.: DNAL SB351.P3P42 1982).

0188

Method for determining age structure of adult populations of the lesser cornstalk borer (Lepidoptera: Pyralidae) (*Elasmopalpus lignosellus*, peanuts, soybeans, corn, grain sorghum).

Funderburk, J.E. Herzog, D.C.; Lynch, R.E. College Park, Md. : Entomological Society of America. Journal of economic entomology. Apr 1984. v. 77 (2). p. 541-544. ill. Includes references. (NAL Call No.: 421 J822).

0189

New disease no threat to state's peanut crop (Stripe virus, aphid-transmitted diseases, Georgia).

Tifton, Ga. : Georgia Agricultural Commodity Commission for Peanuts. Southeast peanut farmer. Mar 1984. v. 22 (3). p. 26. (NAL Call

(PESTS OF PLANTS - INSECTS)

No.: HD9235.P3256).

0190

Parasitoids and pathogens of larval lesser cornstalk borers (Lepidoptera:Pyralidae) in northern Florida.
EVETEX. Funderburk, J.E. Boucias, D.G.; Herzog, D.C.; Sprenkel, R.K.; Lynch, R.E. College Park, Md.: Entomological Society of America. Environmental entomology. Oct 1984. v. 13 (5). p. 1319-1323. ill. Includes references. (NAL Call No.: DNAL QL461.E532).

0191

Peanut and Tobacco Pest Management Workshop proceedings.
(Stillwater, Okla. Cooperative Extension Service, Oklahoma State University 1974). 89 p. ; 28 cm. Includes bibliographies. (NAL Call No.: MLCM 83/23 1974).

0192

Peanut insect control.
Womack, H. Athens, Ga.: The Service. Circular - Cooperative Extension Service, University of Georgia. Jan 1985. (543,rev.). 10 p. ill. (NAL Call No.: DNAL 275.29 G29C).

0193

Peanut pest management in the Southeast / (authors, Herbert Womack ... (et al.)).
Womack, Herbert. Athens Cooperative Extension Service, University of Georgia, College of Agriculture 1981. Cover title ~September 1981. 26 p. : ill., col. photographs ; 28 cm. -. (NAL Call No.: 275.29 G29B no.850).

0194

Pest management systems for peanut insects.
Smith, J.W. Jr. Boca Raton, Fla., CRC Press. CRC handbook of pest management in agriculture. 1981. v. 3. p. 355-363. 46 ref. (NAL Call No.: SB950.C7).

0195

The population dynamics and natural mortality of the lesser cornstalk borer, Elasmopalpus lignosellus, in the peanut agroecosystem and the biology of selected primary parasites / by Seth James Johnson.
Johnson, Seth James, 1950. 1978. Thesis (Ph.D.)--Texas A&M University, 1978. Photocopy. Ann Arbor, Mich.: University Microfilms International, 1983. xi, 112 leaves : ill. ; 21 cm. Bibliography: leaves 107-111. (NAL Call No.: DISS 79-00,982).

0196

Rate of population increase of the twospotted spider mite (Acari: Tetranychidae) on peanut leaves treated with pesticides (Tetranychus urticae, North Carolina).
Boykin, L.S. JEENA. Campbell, W.V. College Park : Entomological Society of America. Journal of economic entomology. Dec 1982. v. 75 (6). p. 966-971. ill. 2 p. ref. (NAL Call No.: 421 J822).

0197

Registration of eight peanut germplasm lines resistant to rust.
Hammons, R.O. Subrahmanyam, P.; Rao, V.R.; Nigam, S.N.; Gibbons, R.W. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1982. v. 22 (2). p. 452-453. (NAL Call No.: 64.8 C883).

0198

Relationship of seasonal thrips (Frankliniella fusca) populations to economics of control on florunner peanuts in Florida.
Tappan, W.B. Gorbet, D.W. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1979. v. 72 (5). p. 772-776. ill. 7 ref. (NAL Call No.: 421 J822).

0199

Relationships of CBR and insect resistance and yield among progenies of a CBR-resistant X insect-resistant cross *Cylindrocladium black rot*.
PNTSB. Green, C.C. Wynne, J.C.; Beute, M.K.; Campbell, W.V. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1983. v. 10 (2). p. 84-88. Includes 12 references. (NAL Call No.: DNAL SB351.P3P39).

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PNTSB. Coffelt, T.A. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1983. v. 10 (2). p. 72-75. Includes 15 references. (NAL Call No.: DNAL SB351.P3P39).

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0325

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0333

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0334

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0335

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0336

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0337

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0341

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0342

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0343

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0344

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0345

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0349

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Taylor, J.D. Griffin, G.J.; Garren, K.H. St. Paul, Minn., American Phytopathological

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Peanut growth responses to different levels of leafspot (Pathogens of *Arachis hypogaea*, caused by *Cercospora arachidicola* and *Cercosporidium personatum*, Florida).

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0412

Peanut yield, market quality and value reductions due to *Cylindrocladium* black rot *Cylindrocladium crotalariae*.

PNTSB. Pataky, J.K. Beute, M.K.; Wynne, J.C.; Carlson, G.A. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1983. v. 10 (2). p. 62-66. ill. Includes 8 references. (NAL Call No.: DNAL

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0413

Pentachloronitrobenzene (fungicide) metabolism in peanut. 1. Mass spectral characterization of seven glutathione-related conjugates produced in vivo or in vitro.

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0415

Performance of atesta and intact peanut seed in field plots. Field microplots germination and pathogenicity tests.

PNTSB. Bell, D.K. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1984. v. 11 (2). p. 74-77. Includes 11 references. (NAL Call No.: DNAL SB351.P3P39).

0416

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PNTSB. Davidson, J.I. Dickens, J.W.; Chew, V.; Sanders, T.H.; ; Holaday, C.E.; Cole, R.J.; Whitaker, T.B. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1984. v. 11 (2). p. 77-83. ill. Includes 16 references. (NAL Call No.: DNAL SB351.P3P39).

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Smith, D.H. Boca Raton, Fla., CRC Press. CRC handbook of pest management in agriculture. 1981. v. 3. p. 365-375. 58 ref. (NAL Call No.: SB950.C7).

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0419

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0421

Population dynamics of Cylindrocladium crotalariae microsclerotia in

naturally-infested soil (effects of peanut cultivars, rotational crops and fallow, northeast North Carolina).

Phipps, P.M. Beute, M.K. St. Paul, American Phytopathological Society. Phytopathology. Mar 1979. v. 69 (3). p. 240-243. ill. 18 ref. (NAL Call No.: 464.8 P56).

0422

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Mixon, A.C. AR-SD. Madison, Wis., American Society of Agronomy. Journal of environmental quality. July/Sept 1980. Literature review. v. 9 (3). p. 344-349. ill. 73 ref. (NAL Call No.: QH540.J6).

0423

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Taber, R.A. Smith, D.H.; McGee, R.E.; Staph, L.D. College Station : The Station. PR - Texas Agricultural Experiment Station. Mar 1981. Mar 1981. (3863). 2 p. ill. (NAL Call No.: 100 T31P).

0424

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Southeastern peanut farmer. May 1980. v. 18
(5). p. 13. ill. (NAL Call No.: HD9235.P3256).

0425

Potential interaction between fungicides used for leafspot control and control of *Sclerotinia* blight, 1982 (*Cercospora arachidicola*, *Sclerotinia minor*, *Arachis hypogaea*, peanuts).
Dougherty, D.E.FNETD. (s.l.) : The Society.
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38. p. 74. (NAL Call No.: 464.9 AM31R).

0426

Protein degradation during seed deterioration (*Aspergillus parasiticus* or *Aspergillus oryzae* infection of *Arachis hypogaea*, peanuts).
Cherry, J.P.PHYTA. St. Paul : American
Phytopathological Society. Phytopathology. Feb
1983. v. 73 (2). p. 317-321. ill. 29 ref. (NAL
Call No.: 464.8 P56).

0427

Quantitative assay by elutriation of peanut field soil for sclerotia of *Sclerotinia minor* (Blight, *Arachis hypogaea*).
Porter, D.M.PHYTA. Steele, J.L. St. Paul :
American Phytopathological Society.
Phytopathology. May 1983. v. 73 (5). p.
636-640. Includes references. (NAL Call No.:
464.8 P56).

0428

Registration of *Cercospora* arachidicola-resistant peanut germplasm (Reg. No. GP 10).
Hammons, R.O. AR-SO. Sowell, G. Jr.; Smith, D.H. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1980. v. 20 (2). p. 292. 1 ref. (NAL Call No.: 64.8 C883).

0429

Registration of peanut germplasms Tifrust-1 to Tifrust-4 (Resistance, *Puccinia arachidis*).
Hammons, R.O. Subrahmanyam, P.; Rao, V.R.; Nigam, S.N.; Gibbons, R.W. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1982. v. 22 (2). p. 453. (NAL Call No.: 64.8 C883).

0430

Relation of *Meloidogyne hapla* and *Macroposthonia ornata* populations to *Cylindrocladium* black rot in peanuts.
Diomande, M. Beute, M.K. St. Paul, Minn., American Phytopathological Society. Plant disease. Apr 1981. v. 65 (4). p. 339-342. ill. 18 ref. (NAL Call No.: 1.9 P69P).

0431

Relationship between yield loss and severity of early and late leafspot diseases of peanut (*Cercospora arachidicola*, *Cercosporidium personatum*).
Backman, P.A. Crawford, M.A. St. Paul, Minn. : American Phytopathological Society.
Phytopathology. Sept 1984. v. 74 (9). p. 1101-1103. ill. Includes 8 references. (NAL Call No.: 464.8 P56).

0432

Relationships among inoculum density, microsclerotium size, and inoculum efficiency of *Cylindrocladium crotalariae* causing root rot on peanuts (Soilbourne fungi).
Black, M.C. Beute, M.K. St. Paul, Minn. : American Phytopathological Society.
Phytopathology. Sept 1984. v. 74 (9). p. 1128-1132. ill. Includes 22 references. (NAL Call No.: 464.8 P56).

0433

Relative susceptibilities of component lines of peanut cultivars Early Bunch and Florunner to early and late leafspots (*Cercospora arachidicola*, *Cercosporidium personatum*).
Jackson, L.F.PNTSB. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1983. v. 10 (1). p. 3-5. Includes references. (NAL Call No.: SB351.P3P39).

0434

Research needs for modeling pest management systems involving defoliators in agronomic crop systems (*Spodoptera frugiperda*, *Cercospora* leafspot, peanuts).
Barfield, C.S. Jones, J.W. Gainesville, Florida Entomological Society. Florida entomologist. June 1979. v. 62 (2). p. 98-114. ill. Bibliography p. 111-114. (NAL Call No.: 420 F662).

0435

Resistance to rust and late leafspot diseases in some genotypes of *Arachis hypogaea* (*Puccinia arachidis*, *Cercosporidium personatum*, peanuts). Subrahmanyam, P. McDonald, D.; Gibbons, R.W.; Nigam, S.N.; Nevill, D.J. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. Jan/June 1982. v. 9 (1). p. 6-10. 18 ref. (NAL Call No.: SB351.P3P39).

0436

The role of insects and other plant pests in aflatoxin contamination of corn, cotton, and peanuts--a review (*Aspergillus* species, feed and food contaminants, vectors). Widstrom, N.W. Madison, American Society Of Agronomy. Journal of environmental quality. Jan/Mar 1979. v. 8 (1). p. 5-11. ill. 62 ref. (NAL Call No.: QH540.J6).

0437

Root rot of groundnut caused by two species of *Pythium* (India). Subrahmanyam, P. Vijaya Kumar, C.S.K.; Rao, A.S. Rome, World Reporting Service on Plant Diseases and Pests, FAO. Plant protection bulletin. 1980. v. 28 (4). p. 141. (NAL Call No.: 421 P692).

0438

Sclerotinia blight of peanuts in Oklahoma and occurrence of the sexual stage of the pathogen (*Sclerotinia sclerotiorum*). Wadsworth, D.F. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. July/Dec 1979. v. 6 (2). p. 77-79. ill. 9 ref. (NAL Call No.: SB351.P3P39).

0439

Screening for resistance to *Cylindrocladium* black rot in peanuts (*Arachis hypogaea* L.) (*Calonectria crotalariae*, *Cylindrocladium crotalariae*, Virginia, genetic vulnerability). Coffelt, T.A. Garren, K.H. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. Jan/June 1982. v. 9 (1). p. 1-5. 19 ref. (NAL Call No.: SB351.P3P39).

0440

Screening methods and further sources of resistance to peanut rust (*Puccinia arachidis*). Subrahmanyam, P. Gibbons, R.W.; Nigam, S.N.; Rao, V.R. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1980. v. 7 (1). p. 10-12. ill. 8 ref. (NAL Call No.: SB351.P3P39).

0441

Screening peanut plant introductions in controlled environment chambers for resistance to *Rhizoctonia solani*. Woodard, K.E. Jones, B.L. St. Paul, Minn., American Phytopathological Society. Plant disease. Oct 1980. v. 64 (10). p. 949-950. 5 ref. (NAL Call No.: 1.9 P69P).

0442

Screening peanuts (*Arachis hypogaea* L.) for resistance to *Sclerotinia* blight. Coffelt, T.A. AR-SO. Porter, D.M. (s.l.), The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 69. (NAL Call No.: SB320.A4).

0443

Screening peanuts for resistance to *Sclerotinia* blight (*Sclerotinia minor*). Coffelt, T.A. Porter, D.M. St. Paul, Minn., American Phytopathological Society. Plant disease. May 1982. v. 65 (5). p. 385-387. Includes 19 ref. (NAL Call No.: 1.9 P69P).

0444

Seedcoat and tannin influence on the mycelial growth of *Aspergillus paraciticus* for peanuts varying in fungal infection. Mixon, A.C. Sanders, T.H. Madison, Wis., American Society of Agronomy. Agronomy abstracts. 1979. 1979. p. 70. (NAL Call No.: 241 AM39).

0445

A simplified medium for growing *Cercospora arachidicola* (the cause of peanut leafspot). Starkey, T.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Oct 1980. v. 70 (10). p. 990-991. 4 ref. (NAL Call No.: 464.8 P56).

0446

Southern stem rot disease (white mold) (*Sclerotium rolfsii*) of peanuts. Thompson, S.S. Athens. Leaflet Georgia. University. Cooperative Extension Service. Apr 1979. Apr 1979. (292). 6 p. ill. (NAL Call No.: 275.29 G29L).

(PLANT DISEASES - FUNGAL)

0447

Soybean and peanut seed treatment: new developments and needs (*Glycine max*, *Arachis hypogaea*, soilborne and seedborne pathogens, fungicides, biocontrol agents). Phipps, P.M. St. Paul, American Phytopathological Society. Plant disease. Jan 1984. v. 68 (1). p. 76-77. (NAL Call No.: 1.9 P69P).

0448

Spatial pattern of southern stem rot caused by *Sclerotium rolfsii* in six North Carolina peanut fields.

Shew, B.B. Beute, M.K.; Campbell, C.L. St. Paul, Minn. : American Phytopathological Society. Phytopathology. June 1984. v. 74 (6). p. 730-735. Includes 21 references. (NAL Call No.: 464.8 P56).

0449

Sporulation of *Cercospora arachidicola* as a criterion for screening peanut genotypes for leaf spot resistance (*Arachis* spp., including the domestic *Arachis hypogaea*).

Gobina, S.M. PHYTA. Melouk, H.A.; Banks, D.J. St. Paul : American Phytopathological Society. Phytopathology. Apr 1983. v. 73 (4). p. 556-558. Includes references. (NAL Call No.: 464.8 P56).

0450

Spray initiation date for control of peanut leaf spot diseases, 1981 (Peanut (*Arachis hypogaea* 'Florigiant'), early leaf spot; *Cercospora arachidicola*, late leaf spot; *Cercosporidium personatum*).

Drye, C.E. (s.l.), The Society. Fungicide and nematocide tests: results - American Phytopathological Society. 1982. v. 37. p. 94. (NAL Call No.: 464.9 AM31R).

0451

Suppression of peanut stem rot with the insecticide chloropyrifos (*Sclerotium rolfsii*).

Backman, P.A. Hammond, J.M. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. July/Dec 1981. v. 8 (2). p. 129-130. Includes 11 ref. (NAL Call No.: SB351.P3P39).

0452

Suppression of *Sclerotinia* (minor) blight of peanuts with dinitrophenol herbicides.

Porter, D.M. AR-SO. Rud, O.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 720-722. 17 ref. (NAL Call No.: 464.8 P56).

0453

Suppression of *Sclerotinia* (minor) blight of peanuts with herbicides.

Porter, D.M. Rud, O.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1979. v. 69 (9). p. 1042. (NAL Call No.: 464.8 P56).

0454

Survival and efficiency of cowpea rhizobia on pelleted and non-pelleted peanut seeds, treated with fungicides.

Hamdi, Y.A. Moharram, A.A. Jena. Zentralblatt für Bakteriologie, Parasitenkunde, Infektionskrankheiten und Hygiene. II. Naturwissenschaftliche Abteilung. 1978. v. 133 (3). p. 204-210. ill. 25 ref. (NAL Call No.: 448.3 C33 (3)).

0455

Susceptibility of peanut leaves to *Cercosporidium personatum* (leaf spot).

Cook, M. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 787-791. 27 ref. (NAL Call No.: 464.8 P56).

0456

Susceptibility of pods of different peanut genotypes to *Aspergillus flavus* group fungi (Mycotoxins).

Kushalappa, A.C. Bartz, J.A. St. Paul, American Phytopathological Society. Phytopathology. Feb 1979. v. 69 (2). p. 159-162. ill. 18 ref. (NAL Call No.: 464.8 P56).

0457

Unharvested peanut pods as a potential source of inoculum of soilborne plant pathogens.

PLDRA. Bell, D.K. Sumner, D.R. St. Paul, Minn. : American Phytopathological Society. Plant disease. Dec 1984. v. 68 (12). p. 1039-1042. Includes 13 references. (NAL Call No.: DNAL 1.9 P69P).

0458

Utilization of a peanut leafspot (*Cercospora arachidicola* and *Cercospora personata*) forecasting model in Virginia.

Powell, N.L. AR-SO. Porter, D.M.; Dow, R.L. (s.l.), The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 41. (NAL Call No.: SB320.A4).

0459

Variability of *Cylindrocladium crotalariae* response to resistant host plant selection pressure in peanut.

Hadley, B.A. Beute, M.K. St. Paul, Minn., American Phytopathological Society. Phytopathology. Oct 1979. v. 69 (10). p. 1112-1114. ill. 11 ref. (NAL Call No.: 464.8 P56).

0460

Web blotch (caused by *Phoma arachidicola*) resistance in *Arachis hypogaea* (Peanuts). Smith, D.D. Smith, D.H.; Simpson, C.E. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. July/Dec 1979. v. 6 (2). p. 99-101. ill. 7 ref. (NAL Call No.: SB351.P3P39).

0461

What you can do with fungigation. It's effective and potentially more economical (Peanuts). Sturgeon, R.V. Jr. Raleigh, N.C., Harvest Publishing Company. The Peanut farmer. May 1979. v. 15 (5). p. 10, 12, 24. (NAL Call No.: SB351.A1P3).

0462

What's next for fungigation? (Fungicide application through irrigation for peanuts). Watson, S. Raleigh, Harvest Publishing Co. The Peanut farmer. Apr 1981. v. 17 (4). p. 16, 21. (NAL Call No.: SB351.A1P3).

0463

When cultural practices aren't enough, here's how to control white mold with chemicals (Peanuts). Thompson, S.S. Raleigh, N.C., Harvest Publishing Company. The Peanut farmer. May 1979. v. 15 (5). p. 20. ill. (NAL Call No.: SB351.A1P3).

PLANT DISEASES - VIRAL

0464

Acquisition, viability, and transmission of peanut stunt virus (PSV) by *Aphis craccivora* and *Myzus persicae* / by D. William Isakson, Jr.
Isakson, D. William (Oscar William), 1933. 1970. Thesis (Ph.D.)--Virginia Polytechnic Institute, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. v, 41 leaves ; 21 cm. Bibliography: leaves 33-35. (NAL Call No.: DISS 70-19,186).

0465

Aphid populations and spread of peanut mottle virus (*Aphis craccivora*, *Myzus persicae*, *Rhopalosiphum maidis*).
Highland, H.B. Demski, J.W.; Chalkley, J.H. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. July/Dec 1981. v. 8 (2). p. 99-102. Includes 12 ref. (NAL Call No.: SB351.P3P39).

0466

Effect of two strains of peanut mottle virus on fatty acids, amino acids, and protein of six peanut lines.
Hovis, A.R. Young, C.T.; Kuhn, C.W. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. July/Dec 1979. v. 6 (2). p. 88-92. ill. 19 ref. (NAL Call No.: SB351.P3P39).

0467

An efficient procedure for purification of an isolate of peanut mottle virus from wild peanut and determination of molecular weights of the viral components (Potyviruses).
Sherwood, J.L. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 40-42. ill. Includes 16 references. (NAL Call No.: SB351.P3P39).

0468

Feeding preferences and colonization abilities of three aphid vectors (Homoptera:Aphididae) of peanut mottle virus on selected host plants.
EVETEX. Highland, H.B. Roberts, J.E. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1984. v. 13 (4). p. 970-974. Includes references. (NAL Call No.: DNAL QL461.E532).

0469

Identification and incidence of peanut viruses in Georgia.
PNTSB. Kuhn, C.W. Demski, J.W.; Reddy, D.V.R.; Benner, C.P.; Bijaisordat, M. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1984. v. 11 (2). p. 67-69. Includes 20 references. (NAL Call No.: DNAL SB351.P3P39).

0470

Management of insect pests of broccoli, cowpeas, spinach, tomatoes, and peanuts with chemigation by insecticides in oils, and reduction of watermelon virus 2 by chemigated oil.
Chalfant, R.B. Young, J.R. College Park, Md. : Entomological Society of America. Journal of economic entomology. Oct 1984. v. 77 (5). p. 1323-1326. Includes 6 references. (NAL Call No.: 421 J822).

0471

New disease no threat to state's peanut crop (Stripe virus, aphid-transmitted diseases, Georgia).
Tifton, Ga. : Georgia Agricultural Commodity Commission for Peanuts. Southeast peanut farmer. Mar 1984. v. 22 (3). p. 26. (NAL Call No.: HD9235.P32S6).

0472

A new gene for peanut mottle virus resistance in soybean.
Buss, G.R. Roane, C.W.; Tolin, S.A. Ames : The Service. Soybean genetics newsletter - United States, Agricultural Research Service. Apr 1983. v. 10. p. 102-104. Includes references. (NAL Call No.: aSB205.S7S6).

0473

Peanut mottle virus in forage legumes.
Demski, J.W. Khan, M.A.; Wells, H.D.; Miller, J.D. St. Paul, Minn., American Phytopathological Society. Plant disease. Apr 1981. v. 65 (4). p. 359-362. ill. 8 ref. (NAL Call No.: 1.9 P69P).

0474

Peanut plant diseases.
Porter, D.M. Smith, D.H.; Rodriguez-Kabana, R. Yoakum, Tex. : American Peanut Research and Education Society, 1982. Peanut science and technology / edited by Harold E. Pattee and Clyde T. Young. Literature review. p. 326-410. ill. Includes references. (NAL Call No.: DNAL SB351.P3P42 1982).

0475

Peanut stunt virus : field incidence and insect vector relationships in North Carolina / by Johnny Anthony Bloch.

Bloch, Johnny Anthony, 1940. 1971. Thesis (Ph.D.)--North Carolina State University at Raleigh, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. x, 115 leaves ; 21 cm. Bibliography: leaves 109-115. (NAL Call No.: DISS 71-29,440).

0476

Purification and characterization of a severe strain of peanut mottle virus / by King-chain Sun.

Sun, King-chain, 1938. 1971. Thesis (Ph.D.)--North Carolina State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. vii, 33 leaves ; 21 cm. Bibliography: leaves 31-33. (NAL Call No.: DISS 72-3,545).

0477

Purification and serology of peanut mottle virus (from peanuts, *Arachis hypogaea*, and peas, *Pisum sativum*).

Tolin, S.A.PHYTA. Ford, R.H. St. Paul : American Phytopathological Society. Phytopathology. June 1983. v. 73 (6). p. 899-903. Includes references. (NAL Call No.: 464.8 P56).

0478

Resistance to peanut mottle virus in *Arachis* spp.

Demski, J.W. Sowell, G. Jr. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 43-44. 16 ref. (NAL Call No.: SB351.P3P39).

0479

Resistance to peanut mottle virus (PMV) in soybean (*Glycine max*) plant introductions.

Shipe, E.R. Buss, G.R. Beltsville, Md., Science and Education Administration, U.S. Dept. of Agriculture. Plant disease reporter. Sept 1979. v. 63 (9). p. 757-760. 111. 11 ref. (NAL Call No.: 1.9 P69P).

0480

Resistance to peanut stunt virus in cultivated and wild *Arachis* species.

Herbert, T.T. Stalker, H.T. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 45-47. 8 ref. (NAL Call No.: SB351.P3P39).

0481

Screening peanut germ plasm lines by enzyme-linked immunosorbent assay for seed transmission of peanut mottle virus.

Bharathan, N. Reddy, D.V.R.; Rajeshwari, R.; Murthy, V.K.; Rao, V.R.; Lister, R.M. St. Paul, Minn. : American Phytopathological Society. Plant disease. Sept 1984. v. 68 (9). p. 757-758. Includes 12 references. (NAL Call No.: 1.9 P69P).

0482

A second gene for resistance to peanut mottle virus in soybeans.

Shipe, E.R. Buss, G.R. Madison, Wis., Crop Science Society of America. Crop science. Sept/Oct 1979. v. 19 (5). p. 656-658. 111. 18 ref. (NAL Call No.: 64.8 C883).

0483

Separation of the complementary strands of double-stranded cucumber mosaic virus-associated RNA 5 and peanut stunt virus-associated RNA 5.

Kaper, J.M.BBRCA. Tousignant, M.E. New York : Academic Press. Biochemical and biophysical research communications. Nov 15, 1983. v. 116 (3). p. 1168-1175. 111. Includes references. (NAL Call No.: 442.8 B5236).

0484

Sources of resistance to peanut mottle virus in *Arachis* germ plasm (*Rhizomatosae*).

Melouk, H.A. Sanborn, M.R.; Banks, D.J. St. Paul, Minn. : American Phytopathological Society. Plant disease. July 1984. v. 68 (7). p. 563-564. Includes references. (NAL Call No.: 1.9 P69P).

0485

Studies on peanut mottle virus : purification, identification of strains, and effect of yield / by Onofre R. Paguio.

Paguio, Onofre R. Ann Arbor, Mich. University Microfilms 1973. Thesis--University of Georgia, 1972. Facsimile produced by microfilm-xerography. x, 67 leaves. Bibliography: leaves 62-67. (NAL Call No.: DISS 73-5,755).

0486

The transmission of peanut stunt virus and its effects on peanut yields / by Thomas Louis Steepy.

Steepy, Thomas Louis, 1941. 1971. Thesis (Ph.D.)--North Carolina State University, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. iv, 44 leaves ; 21 cm.

(PLANT DISEASES - VIRAL)

Bibliography: leaves 42-44. (NAL Call No.: DISS 72-10,106).

0487

Transmission of tomato spotted wilt virus, the causal agent of bud necrosis of peanut, by *Scirtothrips dorsalis* and *Frankliniella schultzei*.

Amin, P.W. Reddy, D.V.R.; Ghanekar, A.M.; Reddy, M.S. St. Paul, Minn., American Phytopathological Society. Plant disease. Aug 1981. v. 65 (8). p. 663-665. ill. 16 ref. (NAL Call No.: 1.9 P69P).

0488

Varietal response of snap beans to peanut stunt virus (Cultivars, United States).

Meiners, J.P. Lincoln, Neb. Annual report Bean Improvement Cooperative. Mar 1979. v. 22. p. 36-37, 38-39. ill. (NAL Call No.: SB327.A1B5).

0489

Yield responses of six white clover clones to virus infection under field conditions.

PLDRA. Campbell, C.L. Moyer, J.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. Dec 1984. v. 68 (12). p. 1033-1035. Includes 12 references. (NAL Call No.: DNAL 1.9 P69P).

PLANT DISEASES - PHYSIOLOGICAL

0490

Critical levels of soil- and nutrient-solution calcium for vegetative growth and fruit development of Florunner peanuts (Includes deficiency).

Wolt, J.D. Adams, F. Madison, Wis., The Society. Journal. Soil Science Society of America. Nov/Dec 1979. v. 43 (6). p. 1159-1164. ill. 19 ref. (NAL Call No.: 56.9 S03).

0491

Effect of phosphate on regulation of Fe (iron) stress response in soybean and peanut (Glycine max, Arachis hypogaea).

Chaney, R.L. Coulombe, B.A. New York ; Basel : Marcel Dekker, 1982. Iron nutrition and interactions in plants : Brigham Young University, August 12-14, 1981 / edited by S.D. Nelson ... (et al.). p. 469-487. ill. 36 ref. (NAL Call No.: QK867.J67 v. 5, nos. 4-7).

0492

Involvement of nutrition and fungi in the peanut pod rot complex (Arachis hypogaea, Pythium spp., Rhizoctonia spp., Fusarium spp., calcium deficiency disorders).

Csinos, A.S. Gaines, T.P.; Walker, M.E. St. Paul, American Phytopathological Society. Plant disease. Jan 1984. v. 68 (1). p. 61-65. Includes references. (NAL Call No.: 1.9 P69P).

0493

Remedy of lime-induced chlorosis with iron-enriched muck (Arachis hypogaea, peanuts).

Chen, Y. Navrot, J.; Barak, P. New York ; Basel : Marcel Dekker, 1982. Iron nutrition and interactions in plants : Brigham Young University, August 12-14, 1981 / edited by S.D. Nelson ... (et al.). p. 927-940. 12 ref. (NAL Call No.: QK867.J67 v. 5, nos. 4-7).

MISCELLANEOUS PLANT DISORDERS

0494

Absorption, translocation, and degradation of SN 533 by soybeans (*Glycine max*) and peanuts (*Arachis hypogaea*) (Herbicide, phytotoxicity).
Harrison, H.F. Jr. WEESA. Slife, F.W. Champaign : Weed Science Society of America. Weed science. Mar 1983. v. 31 (2). p. 259-263. ill. Includes references. (NAL Call No.: 79.8 W41).

0495

Hazards of MSMA and DSMA for peanut weed control.
Walker, R.H. Hiltbold, A.E.; Granade, G. Auburn, The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Spring 1982. v. 29 (1). p. 3. ill. (NAL Call No.: 100 AL1H).

0496

Influence of cultural and harvest practices on peanut seed quality (Germination, mechanical injury, soil fertility).
McLean, D.E. Sullivan, G.A. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. July/Dec 1981. v. 8 (2). p. 145-148. Includes 18 ref. (NAL Call No.: SB351.P3P39).

0497

Inhibition of photosynthesis by ethylene--a stomatal effect (Includes peanuts, sweet potato, Jerusalem artichoke, sunflowers).
Pallas, J.E. Jr. Kays, S.J. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Apr 1981. Abstract only. v. 67 (4). p. 18. ill. (NAL Call No.: 450 P692).

0498

Injury and yield responses of peanuts to chronic doses of ozone in open-top field chambers (*Arachis hypogaea*, air pollution damage).
Heagle, A.S. PHYTA. Letchworth, M.B.; Mitchell, C.A. St. Paul : American Phytopathological Society. Phytopathology. Apr 1983. v. 73 (4). p. 551-555. Includes references. (NAL Call No.: 464.8 P56).

0499

Problems from pesticide-induced foliar phytotoxicity investigated in peanuts.
HARAA. Hancock, H.G. Weete, J.D.; Backman, P.A.; Hammond, J.M. Auburn, Ala. : The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Winter 1984. v. 31 (4). p. 17. ill. (NAL Call No.: DNAL 100 AL1H).

PROTECTION OF PLANT PRODUCTS - GENERAL AND MISC.

0500

Effect of chemical and biological agents on the incidence of *Aspergillus flavus* and aflatoxin contamination of peanut seed.

PHYTAJ. Mixon, A.C. Bell, D.K.; Wilson, D.M. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Dec 1984. v. 74 (12). p. 1440-1444. Includes 27 references. (NAL Call No.: DNAL 464.8 P56).

green beans; lima beans; broad beans; lentils; garden peas; soybeans; alfalfa; groundnuts; cowpeas; sugar beets; grapes and grapevine leaves; parsnips; parsley; celery; safflower; and mulberry plants. A multidisciplinary effort is needed to establish a monitoring system for stress compounds in food. Many plants have not yet been investigated and little consideration has been given to environmental stress from temperature, rainfall, agronomic practices, etc. In-depth toxicological studies are needed. Journal of food protection. June 1979. v. 42 (6). p. 496-501,475. ill. 68 ref.

0501

Effect of preparation (fumigation) and storage environment on lifespan of shelled peanut seed (Germination).

Norden, A.U. Madison, Wis., Crop Science Society of America. Crop science. Mar 1981. v. 21 (2). p. 263-266. 7 ref. (NAL Call No.: 64.8 C883).

0502

Foreign material extractors for peanut flowpipes (Alternative to cleaning before storage, equipment, Georgia).

Blankenship, P.D. Davidson, J.I. Jr.; Sanders, T.H.; Layton, R.C.; Willis, J.W. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 10-12. Includes 8 references. (NAL Call No.: SB351.P3P39).

0503

Peanut storage, pests and contaminants (Includes aflatoxins).

Maclean, J.T. Beltsville : The Library. Quick bibliography series - National Agricultural Library. Oct 1983. Bibliography. Oct 1983. (84-06). 28 p. (NAL Call No.: aZ5071.N3).

0504

Screening Virginia-type farmers' stock peanuts before storage (Filtering device to eliminate foreign material before grading and storage).

Dickens, J.W. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 13-16. Includes 9 references. (NAL Call No.: SB351.P3P39).

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Stress metabolites of plants - A growing concern.

Wood, Garnett E. Ames, Iowa, International Association of Milk, Food, and Environmental Sanitarians. Abstract: The concentration of certain compounds that are natural constituents of plants may increase to toxic levels under various stress conditions. The stress compounds produced in the following plants consumed directly in the United States are discussed:

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0506

Automating spraying (insecticide) systems for farmers stock peanuts.
Smith, J.S. Jr. Davidson, J.I.; Bennett, C.T. Suffolk, Va., Peanut Journal Publishing Co. Peanut journal and nut world. July 1981. v. 60 (9). p. 7-8, 10. ill. (NAL Call No.: 77.8 P313).

0507

Dichlorvos aerosol as a space treatment for peanut shelling plants (Insect pests control of stored products).
Redlinger, L.M. AR-SO. Davidson, J.I. Jr.; Gillenwater, H.B.; Simonaitis, R.A. (s.l.), The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 39. (NAL Call No.: SB320.A4).

0508

Evaluation of commercial formulations of Bacillus thuringiensis for control of the indianmeal moth and almond moth (Lepidoptera: Pyralidae) in stored inshell peanuts (Plodia interpunctella, Ephestia cautella).
McGaughey, W.H. College Park, Entomological Society of America. Journal of economic entomology. Aug 1982. v. 75 (4). p. 754-757. 5 ref. (NAL Call No.: 421 J822).

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Fumigation of imported shelled peanuts with methyl bromide (against khapra beetles, Trogoderma granarium, residues).
Leesch, J.G. PNTSB. Redlinger, L.M.; Young, C.T.; Sukkestad, D.R. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1983. v. 10 (1). p. 33-36. ill. Includes references. (NAL Call No.: SB351.P3P39).

0510

Growth of Ephestia cautella (Walker) population under conditions found in an empty peanut warehouse and response to variations in the distribution of larval food.
Hagstrum, D.W. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1984. v. 13 (1). p. 171-174. Includes references. (NAL Call No.: QL461.E532).

0511

Insect control in postharvest peanuts.
Redlinger, L.M. Davis, R. Yoakum, Tex. : American Peanut Research and Education Society, 1982. Peanut science and technology / edited by Harold E. Pattee and Clyde T. Young. Literature review. p. 520-570. ill. Includes references. (NAL Call No.: DNAL SB351.P3P42 1982).

0512

Insect growth regulators: new protectants against the almond moth (Ephestia cautella) in stored inshell peanuts.
Nickle, D.A. College Park, Md., Entomological Society of America. Journal of economic entomology. Dec 1979. v. 72 (6). p. 816-819. ill. 14 ref. (NAL Call No.: 421 J822).

0513

Insecticide resistance in selected stored-product insects infesting peanuts in the southeastern United States (Ephestia cautella, Plodia interpunctella, Tribolium castaneum).
Zettler, J.L. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1982. v. 75 (2). p. 359-362. 1 p. ref. (NAL Call No.: 421 J822).

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Mortality and reproduction of Ephestia cautella and Plodia interpunctella exposed as pupae to high temperatures (Stock peanut pests, southeastern USA).
Arbogast, R.T. College Park, Md., Entomological Society of America. Environmental entomology. Oct 15, 1981. v. 10 (5). p. 708-711. 8 ref. (NAL Call No.: QL461.E532).

0515

The natural occurrence of the egg parasite, Trichogramma, on almond moth eggs in peanut storages in Georgia (Biological control).
Brower, J.H. Athens, Ga. : The Society. Journal of the Georgia Entomological Society. July 1984. v. 19 (3). p. 285-290. Includes 20 references. (NAL Call No.: QL461.G4).

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Maclean, J.T. Beltsville : The Library. Quick bibliography series - National Agricultural Library. Oct 1983. Bibliography. Oct 1983. (84-06). 28 p. (NAL Call No.: aZ5071.N3).

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Phosphine and methyl bromide fumigation of shelled peanuts (control of *Tribolium castaneum*, *Sitophilus oryzae* and *Plodia interpunctella*, residues, adverse effects). Leesch, J.G. Gillenwater, H.B. Yoakum, Tex., American Peanut Research and Education Association. Peanut science. Jan/June 1979. v. 6 (1). p. 18-26. ill. 7 ref. (NAL Call No.: SB351.P3P39).

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Pirimiphos-methyl and chlorpyrifos-methyl as controls of indigenous insect infestations in farmers' stock peanuts (Stored product insects). LaHue, D.W. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 15, 1979. v. 72 (4). p. 621-624. ill. 1 ref. (NAL Call No.: 421 J822).

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Provisioning with preparalyzed hosts (*Ephestia cautella*) to improve parasite (*Bracon hebetor*) effectiveness: a pest management strategy for stored commodities (Peanuts). Nickle, D.A. Hagstrum, D.W. College Park, Md., Entomological Society of America. Environmental entomology. Aug 1981. v. 10 (4). p. 560-564. ill. 7 ref. (NAL Call No.: QL461.E532).

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Absorption and translocation of tetrafluron in cotton (*Gossypium hirsutum*), jimsonweed (*Datura stramonium*), peanut (*Arachis hypogaea*), and prickly sida (*Sida spinosa*) (Urea herbicides).
Pinto, H. Corbin, F.T. Champaign, Ill., Weed Science Society of America. Weed science. Sept 1980. v. 28 (5). p. 557-565. ill. 18 ref. (NAL Call No.: 79.8 W41).

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Benefin degradation rate and effect on subsequent rotation crops in the Southeast (Herbicide for weed control in peanuts, Alabama, Florida and Georgia).
Burnside, K.R. Addison, D.A.; Cooper, R.B.; Hicks, R.D.; Webster, H.L. Champaign : The Society. Proceedings - Southern Weed Science Society. 1982. 1982. (35th). p. 56-63. (NAL Call No.: 79.9 S08).

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Chemical weed control in peanuts.
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Swann, C.W. Athens, Ga., The Service. Bulletin - Cooperative Extension Service, University of Georgia, College of Agriculture. Jan 1982. Jan 1982. (825). 11 p. (NAL Call No.: 275.29 G29B).

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Swann, C.W. Athens : The Service. Bulletin - Cooperative Extension Service, University of Georgia, College of Agriculture. Jan 1984. Jan 1984. (825, rev.). 8 p. (NAL Call No.: 275.29 G29B).

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Greer, H.A.L. Dunn, C. Stillwater. O.S.U. extension facts. Science serving agriculture Oklahoma State University. Cooperative Extension Service. Feb 1979. Feb 1979. (2759). 4 p. ill. (NAL Call No.: S544.3.0505).

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Control of bur gherkins (*Cucumis anguria*) in peanuts (*Arachis hypogaea*) with herbicides.
Buchanan, G.A. Hauser, E.W.; Patterson, R.M. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 66-73. 4 ref. (NAL Call No.: SB351.P3P39).

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Control of hophornbeam copperleaf.
AKFRA. Driver, T.L. Oliver, L.R. Fayetteville, Ark. : The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. Sept/Oct 1984. v. 33 (5). p. 6. ill. (NAL Call No.: DNAL 100 AR42F).

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Control of *Sclerotium rolfsii* (cause of southern blight) and weeds in peanuts by solar heating of the soil (Israel).
Grinstein, A. SEA. Katan, J.; Abdul Razik, A.; Zeydan, O.; Elad, Y. Beltsville, Md., The Administration. Plant disease reporter. United States. Dept. of Agriculture. Science and Education Administration. Dec 1979. v. 63 (12). p. 1056-1059. ill. 9 ref. (NAL Call No.: 1.9 P69P).

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Grichar, W.J. Boswell, T.E.; Merkle, M.G. College Station : The Station. PR - Texas Agricultural Experiment Station. Mar 1981. Mar 1981. (3858). 2 p. (NAL Call No.: 100 T31P).

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Cracking-stage herbicides: key to control of broadleaf weeds (in peanuts).

Swann, C.W. Mar 1979. v. 94 (3). Progressive farmer for the West. Mar 1979. v. 94 (3). p. N13, N15. ill. (NAL Call No.: 6 T311).

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Boykin, L.S. Campbell, W.V.; Nelson, L.A. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 52-55. ill. Includes 8 references. (NAL Call No.: SB351.P3P39).

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The effect of sprinkler irrigation on herbicide efficacy, distribution, and penetration in some Coastal Plain soils (Applied on corn, peanuts and soybeans, weed control, southwest Georgia).

Dowler, C.C. GARRA, Rohde, W.A.; Fetzer, L.E.; Scott, D.E. Sr.; Sklany, T.E. Athens : The Stations. Research report - University of Georgia, College of Agriculture, Experiment Stations. Aug 1982. Aug 1982. (281). 27 p. ill. Includes references. (NAL Call No.: S51.E22).

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Effects of Florida Beggarweed (*Desmodium tortuosum*) and sicklepod (*Cassia obtusifolia*) on peanut (*Arachis hypogaea*) yield (crop-weed competition).

Hauser, E.W. Buchanan, G.A.; Nichols, R.L.; Patterson, R.M. Champaign : Weed Science Society of America. Weed science. Nov 1982. v. 30 (6). P. 602-604. 14 ref. (NAL Call No.: 79.8 W41).

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Hauser, E.W. AR-SO. Buchanan, G.A.; Slaughter, J.W. Yoakum, Tex., The Association. Proceedings - American Peanut Research and Education Association. American Peanut Research and Education Association. 1979. v. 11 (1). p. 42. (NAL Call No.: SB320.A4).

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Efficiency of chemical and mechanical methods for controlling weeds in peanuts (*Arachis hypogaea*) (Herbicides mechanical cultivation hand-hoeing, Alabama).

Bridges, D.C. Walker, R.H.; McGuire, J.A.; Martin, N.R. Champaign, Ill. : Weed Science Society of America. Weed science. Sept 1984. v. 32 (5). p. 584-591. ill. Includes 17 references. (NAL Call No.: 79.8 W41).

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Grass and broadleaf weed control in peanuts (Herbicides).

Boswell, T.E. Merkle, M.G.; Grichar, W.J. College Station : The Station. PR - Texas Agricultural Experiment Station. Mar 1981. Mar 1981. (3859). 2 p. (NAL Call No.: 100 T31P).

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Bridges, D. Walker, R.H.; Patterson, M.; McGuire, J. Auburn, The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Spring 1982. v. 29 (1). p. 11. (NAL Call No.: 100 AL1H).

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Highlights of weed research in corn, intensive cropping, peanuts, rice, and sugarcane (Chemical control).

Hauser, E.W. Champaign, Ill., Weeds Today, Inc. Weeds today. Winter 1979. v. 10 (4). p. 10-11. ill. (NAL Call No.: SB610.W4).

0543

Influence of row spacing on competitiveness and yield of peanuts (*Arachis hypogaea*) (infested with *Cassia obtusifolia* and *Desmodium tortuosum*).

Buchanan, G.A. Hauser, E.W. Champaign, Ill., Weed Science Society of America. Weed science. July 1980. v. 28 (4). p. 401-409. ill. 11 ref. (NAL Call No.: 79.8 W41).

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Hauser, E.W. Buchanan, G.A. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 74-81. 12 ref. (NAL Call No.: SB351.P3P39).

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PNTSB. Wehtje, G. Walker, R.H.; Patterson, M.G.; McGuire, J.A. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1984. v. 11 (2). p. 88-91. Includes 9 references. (NAL Call No.: DNAL SB351.P3P39).

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Influence of weed control programs in intensive cropping systems.

WEESA6. Glaze, N.C. Dowler, C.C.; Johnson, A.W.; Sumner, D.R. Champaign, Ill. : Weed Science Society of America. Weed science. Nov 1984. v. 32 (6). p. 762-767. Includes 10 references. (NAL Call No.: DNAL 79.8 W41).

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PNTSB. Barron, J.A. Phipps, P.M. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1983. v. 10 (2). p. 97-106. ill. Includes 18 references. (NAL Call No.: DNAL SB351.P3P39).

0548

Interference of broadleaf signalgrass (*Brachiaria platyphylla*) in peanuts (*Arachis hypogaea*) (Weed control).

Chamblee, R.W. Thompson, L. Jr.; Coble, H.D. Champaign, Ill., Weed Science Society of America. Weed science. Jan 1982. v. 30 (1). p. 45-49. Includes 16 ref. (NAL Call No.: 79.8 W41).

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Management of broadleaf signalgrass (*Brachiaria platyphylla*) in peanuts (*Arachis hypogaea*) with herbicides.

Chamblee, R.W. Thompson, L. Jr.; Bunn, T.M. Champaign, Ill., Weed Science Society of America. Weed science. Jan 1982. v. 30 (1). p. 40-44. ill. Includes 3 ref. (NAL Call No.: 79.8 W41).

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Oxyfluorfen (a selective pre- and postemergence herbicide that controls broadleaf weeds in economically important crops such as soybeans, rice, peanuts, cotton, corn, forest, orchard, and plantation crops).

Adler, I.L. Hofmann, C.K. New York, Academic Press, 1980. Updated general techniques and additional pesticides, edited by Gunter Zweig and Joseph Sherma. p. 331-341. ill. 3 ref. (NAL Call No.: 395).

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Swann, C.W. Champaign, Ill. Weeds today. Spring 1979. v. 10 (2). p. 25-26. ill. (NAL Call No.: SB610.W4).

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Hauser, E.W. Buchanan, G.A.; Harvey, J.E.; Currey, W.L.; Gorbet, D.W.; Minton, N.A. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. July/Dec 1981. v. 8 (2). p. 142-144. Includes 5 ref. (NAL Call No.: SB351.P3P39).

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0557

Sethoxydim and dalapon application to rhizomes for common bermudagrass control in rhizoma peanut.

Canudas-Lara, E.G. Quesenberry, K.H.; Teem, D.H.; Prine, G.M. S.l. : The Society. Proceedings - Soil and Crop Science Society of Florida. 1984. v. 43. p. 174-177. ill. Includes references. (NAL Call No.: DNAL 56.9 S032).

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Sicklepod (Cassia obtusifolia): tough competition for peanuts.

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Porter, D.M. Rud, D.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1979. v. 69 (9). p. 1042. (NAL Call No.: 464.8 P56).

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Wehtje, G. McGuire, J.A.; Walker, R.H. Auburn, Ala. : The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Spring 1984. v. 31 (1). p. 11. (NAL Call No.: 100 AL1H).

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0562

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Swann, C.L. Raleigh, Harvest. The Peanut farmer. Feb 1979. v. 14 (2). p. 8, 18. ill. (NAL Call No.: SB351.A1P3).

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0568

Absorption, translocation, and degradation of SN 533 by soybeans (*Glycine max*) and peanuts (*Arachis hypogaea*) (Herbicide, phytotoxicity). Harrison, H.F. Jr. WEESA. Slife, F.W. Champaign : Weed Science Society of America. Weed science. Mar 1983. v. 31 (2). p. 259-263. ill. Includes references. (NAL Call No.: 79.8 W41).

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The effect of sprinkler irrigation on herbicide efficacy, distribution, and penetration in some Coastal Plain soils (Applied on corn, peanuts and soybeans, weed control, southwest Georgia). Dowler, C.C. GARRA. Rohde, W.A.; Fetzer, L.E.; Scott, D.E. Sr.; Sklany, T.E. Athens : The Stations. Research report - University of Georgia, College of Agriculture, Experiment Stations. Aug 1982. Aug 1982. (281). 27 p. ill. Includes references. (NAL Call No.: S51.E22).

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Hazards of MSMA and DSMA for peanut weed control. Walker, R.H. Hiltbold, A.E.; Granade, G. Auburn, The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Spring 1982. v. 29 (1). p. 3. ill. (NAL Call No.: 100 AL1H).

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Oxyfluorfen (a selective pre- and postemergence herbicide that controls broadleaf weeds in economically important crops such as soybeans, rice, peanuts, cotton, corn, forest, orchard, and plantation crops). Adler, I.L. Hofmann, C.K. New York, Academic Press, 1980. Updated general techniques and additional pesticides, edited by Gunter Zweig and Joseph Sherma. p. 331-341. ill. 3 ref. (NAL Call No.: 395).

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Peanut uptake and metabolism of (14C (carbon isotope))oxadiazon (herbicide) from soil. Bingham, S.W. Shaver, R.L.; Guyton, C.L. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. July/Aug 1980. v. 28 (4). p. 735-740. ill. 13 ref. (NAL Call No.: 381 J8223).

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Pentachloronitrobenzene metabolism in peanut. 3. Metabolism in peanut cell suspension cultures (Fungicide). Lamoureux, G.L. Gouot, J.M.; Davis, D.G.; Rusness, D.G. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Sept/Oct 1981. v. 29 (5). p. 996-1002. ill. 6 ref. (NAL Call No.: 381 J8223).

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Phosphine and methyl bromide fumigation of shelled peanuts (control of *Tribolium castaneum*, *Sitophilus oryzae* and *Plodia interpunctella*, residues, adverse effects). Leesch, J.G. Gillenwater, H.B. Yoakum, Tex., American Peanut Research and Education Association. Peanut science. Jan/June 1979. v. 6 (1). p. 18-26. ill. 7 ref. (NAL Call No.: SB351.P3P39).

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GARRA, Ofiara, D.D. Allison, J.R. Athens, Ga. : The Stations. Research report - University of Georgia, College of Agriculture, Experiment Stations. Oct 1984. (448). 43 p. maps. Includes 4 references. (NAL Call No.: DNAL S51.E22).

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Heikes, D.L. New York, Springer Verlag. Bulletin of environmental contamination and toxicology. Mar 1980. v. 24 (3). p. 338-343. ill. 13 ref. (NAL Call No.: RA1270.P35A1).

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Response of *Labidura riparia* (Pallas) to residues of pesticides used on peanuts (Earwig, predator of crop pests, food chain toxicity).

Rivero, N.A. de. Poe, S.L. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. July/Dec 1981. v. 8 (2). p. 93-96. Includes 8 ref. (NAL Call No.: SB351.P3P39).

SOIL SCIENCE

0582

Effect of dibromochloropropane fumigation on the growth of *Sclerotium rolfsii* and on the incidence of southern blight in field-grown peanuts.

Rodriguez-Kabana, R. Beute, M.K. St. Paul, Minn., American Phytopathological Society. Phytopathology. Nov 1979. v. 69 (11). p. 1219-1222. ill. 13 ref. (NAL Call No.: 464.8 P56).

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Beute, M.K. Rodriguez-Kabana, R. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1979. Aug 1979. . 69 (8). p. 869-872. ill. 8 ref. (NAL Call No.: 464.8 P56).

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Hamdi, Y.A. Moharram, A.A. Jena. Zentralblatt fur Bakteriologie, Parasitenkunde, Infektionskrankheiten und Hygiene. II. Naturwissenschaftliche Abteilung. 1978. v. 133 (3). p. 204-210. ill. 25 ref. (NAL Call No.: 448.3 C33 (3)).

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Control of the initial steps in heme biosynthesis in free-living *Rhizobium* sp. by culture conditions.

CUMIDD, Gollop, R. Santhaguru, K.; Avissar, Y.U. New York, N.Y. : Springer International. Current microbiology. 1984. v. 11 (2). p. 101-106. ill. Includes 23 references. (NAL Call No.: DNAL QR1.C78).

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SOIL FERTILITY - FERTILIZERS

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FOOD CONTAMINATION, FIELD CROP

0643

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Comparison of Aspergillus differential medium and Aspergillus flavus/parasiticus agar for enumerating total yeasts and molds and potentially aflatoxigenic aspergilli in peanuts, corn meal and cowpeas. Beuchat, L.R. Ames, Iowa : International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. July 1984. v. 47 (7). p. 512-519. Includes references. (NAL Call No.: 44.8 J824).

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0655

Effect of irrigation regimes on aflatoxin contamination of peanut pods.

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Pettit, R.E. Geiger, R.L.; Staph, L.D. College Station : The Station. PR - Texas Agricultural Experiment Station. Mar 1981. Mar 1981. (3862). 2 p. ill. (NAL Call No.: 100 T31P).

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Fumigation of imported shelled peanuts with methyl bromide (against khapra beetles, *Trogoderma granarium*, residues).

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0661

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0662

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(FOOD CONTAMINATION, FIELD CROP)

0676

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FOOD COMPOSITION, FIELD CROP

0679

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FOOD COMPOSITION, HORTICULTURAL CROP

0686

Physicochemical properties of hydrogen peroxide treated groundnut protein (Aflatoxin, protein quality).

Sreedhara, N. Subramanian, N. Chicago, Institute of Food Technologists. Journal of food science. July 1981. v. 46 (4). p. 1260-1264, 1268. ill. Bibliography p. 1264, 1268. (NAL Call No.: 389.8 F7322).

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0689

Antinutrients and allergens in oilseeds (Food safety, cottonseed, castor, xenobiotics, peanuts, soybeans).
Dry, R.L.ACSMC. Sekul, A.A.; Mod, R.R. Washington : The Society. ACS Symposium series - American Chemical Society. 1983. Based on a symposium sponsored by the Division of Agricultural and Food Chemistry at the 184th meeting of the American Chemical Society, Kansas City, Missouri, September 12-17, 1982. 1983. (234). p. 285-293. ill. Includes references. (NAL Call No.: QD1.A45).

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Determination of aflatoxin B1 in corn, wheat, and peanut butter by enzyme-linked immunosorbent assay and solid phase radioimmunoassay.
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Effect of ammoniation on the physicochemical properties of peanut and cottonseed meals (Aflatoxins).
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Fluorometric screening method for citrinin in corn, barley, and peanuts.
Trantham, A.L. Wilson, D.M. Arlington, Va. : The Association. Journal of the Association of Official Analytical Chemists. Jan/Feb 1984. v. 67 (1). p. 37-38. Includes references. (NAL Call No.: 381 AS7).

AGRICULTURAL PRODUCTS - PLANT

0695

Peanut hulls: their properties and potential uses (Pet litter, mushroom-growing medium, carries for pesticides and fertilizers, mulch, fuel, absorbent for molasses, fillers, drycleaner, absorbent for oil spills, anticaking material, floor-sweeping compound, foundry-sand component, sealant in oil-drilling muds, metal polish, and charcoal briquets, activated carbon).

Albrecht, W.J. New Orleans, The Region. Agricultural reviews and manuals. ARM-S - United States, Dept. of Agriculture, Science and Education Administration, Agricultural Research, Southern Region. Jan 1979. Jan 1979. (1). 5 p. 8 ref. (NAL Call No.: aS21.A75U65).

DIET AND DIET RELATED DISEASES

0696

Aflatoxin as a cause of primary liver-cell cancer in the United States: A probability study.

Stoloff, Leonard. Philadelphia : Franklin Institute Press. Extract: Primary liver-cell cancer (PLC) mortality ratios, computed from death certificate records compiled by the National Center for Health Statistics, for the periods 1968-1971 and 1973-1976 were sorted by race, sex, urbanization, and region. From this sort, rural white males from the Southeast and the "North and West" regions were selected for comparison of mortality ratios and past dietary exposure to aflatoxin. Based on projections of recent aflatoxin contamination information back to the 1910-1960 period, and estimates of corn and peanut usage from household food consumption surveys relating to that period, the expected average daily ingestion of aflatoxin B1 for each group was calculated (Southeast, 13-197 ng/kg bw; North and West, 0.2-0.3 ng/kg bw). An age-adjusted excess PLC mortality ratio was observed for the Southeast population when compared with the "North and West"--10% excess PLC deaths at all ages, and 6% excess PLC deaths for the 30-49 year age-group--but although the difference was in the expected direction in relation to projected past exposure to aflatoxin, it was far from the manyfold difference that would have been anticipated from experiments with rats and from prior epidemiological studies in Africa and Asia. The remaining major portion of the PLC mortality in the Southeast may be attributed to many unidentified causes for which the two populations that were compared were not controlled, leaving in doubt the validity of any attribution of the excess PLC mortality to aflatoxin ingestion. A considerable excess over average US PLC mortality ratios was seen for all Orientals resident in the US and for urban black males. Occurrence of PLC in Orientals has been related to the presence of markers for hepatitis B virus in the blood serum of affected individuals. (author). Nutrition and cancer. 1983. v. 5 (3/4). p. 165-186. ill., charts. Includes 57 references. (NAL Call No.: RC262.C5N8).

polycyclic hydrocarbons. (author/wz). Nutrition and cancer. 1981. v. 2 (4). p. 217-223. charts. 59 ref. (NAL Call No.: RC262.C5N8).

0697

Carcinogens occurring naturally in food.

Hilker, Doris M. Philadelphia, Franklin Institute Press. Extract: The role of carcinogens as metabolites from plant-infecting microorganisms, as products of plant metabolism, as products of food storage, processing, and as obtained from water or soil contaminants, is discussed. Some examples of these types of carcinogens are: fungal metabolites, such as aflatoxins in peanuts stored under improper conditions; safrol from the oil of various plants; tannin in tea, grain and grapes; and polycyclic hydrocarbons, including benzo(a)pyrene, formed by smoking meat and fish. Epidemiological studies indicate that there is a high incidence of gastric cancer in the areas of the world where smoked fish are common in diets. Vitamin A may play a role in preventing the carcinogenic action of

POLLUTION

0698

Assessing impacts of ozone on agricultural crops. II. Crop yield functions and alternative exposure statistics (Barley, beans, cotton, peanuts, sorghum, soybeans, tomato, wheat). Heck, W.W. Cure, W.W.; Rawlings, J.D.; Zaragoza, L.J.; Heagle, A.S.; Heggestad, H.E.; Kohut, R.J.; Kress, L.W.; Temple, P.U. Pittsburgh, Pa. : William G. Hamlin. Journal of the Air Pollution Control Association. Aug 1984. v. 34 (8). p. 810-817. Includes 12 references. (NAL Call No.: 449.9 AI7).

0699

Injury and yield responses of peanuts to chronic doses of ozone in open-top field chambers (*Arachis hypogaea*, air pollution damage). Heagle, A.S. PHYTA. Letchworth, M.B.; Mitchell, C.A. St. Paul : American Phytopathological Society. Phytopathology. Apr 1983. v. 73 (4). p. 551-555. Includes references. (NAL Call No.: 464.8 P56).

0700

Soybean yields as influenced by peanut hull applications (Waste products, mulch). Reneau, R.B. Jr. Jones, G.D.; Lutz, J.A. Jr. Madison, Wis., American Society of Agronomy. Agronomy journal. July/Aug 1980. v. 72 (4). p. 682-685. ill. (NAL Call No.: 4 AM34P).

MATHEMATICS AND STATISTICS

0701

An analysis of the demand for inputs in peanut production at the Southwest Georgia Branch Station (Emphasis on labor, machinery, fertilizer, pesticides and seed, mathematical models).

Bishop, K.C. Saunders, F.B.; Wetzstein, M.E.; Moss, R.B. Athens, Ga. : The Stations. Research bulletin - University of Georgia, Experiment Stations. June 1984. June 1984. (310). 26 p. Includes 30 references. (NAL Call No.: S51.E2).

0702

A critical-point yield loss model for *Cylindrocladium* black rot of peanut (*Cylindrocladium crotalariae*, *Arachis hypogaea*).

Pataky, J.K. PHYTA. Beute, M.K.; Wynne, J.C.; Carlson, G.A. St. Paul : American Phytopathological Society. Phytopathology. Nov 1983. v. 73 (11). p. 1559-1563. Includes references. (NAL Call No.: 464.8 P56).

HUMAN MEDICINE, HEALTH AND SAFETY

0703

Aflatoxin as a cause of primary liver-cell cancer in the United States: A probability study.

Stoloff, Leonard. Philadelphia : Franklin Institute Press. Extract: Primary liver-cell cancer (PLC) mortality ratios, computed from death certificate records compiled by the National Center for Health Statistics, for the periods 1968-1971 and 1973-1976 were sorted by race, sex, urbanization, and region. From this sort, rural white males from the Southeast and the "North and West" regions were selected for comparison of mortality ratios and past dietary exposure to aflatoxin. Based on projections of recent aflatoxin contamination information back to the 1910-1960 period, and estimates of corn and peanut usage from household food consumption surveys relating to that period, the expected average daily ingestion of aflatoxin B1 for each group was calculated (Southeast, 13-197 ng/kg bw; North and West, 0.2-0.3 ng/kg bw). An age-adjusted excess PLC mortality ratio was observed for the Southeast population when compared with the "North and West"--10% excess PLC deaths at all ages, and 6% excess PLC deaths for the 30-49 year age-group--but although the difference was in the expected direction in relation to projected past exposure to aflatoxin, it was far from the manyfold difference that would have been anticipated from experiments with rats and from prior epidemiological studies in Africa and Asia. The remaining major portion of the PLC mortality in the Southeast may be attributed to many unidentified causes for which the two populations that were compared were not controlled, leaving in doubt the validity of any attribution of the excess PLC mortality to aflatoxin ingestion. A considerable excess over average US PLC mortality ratios was seen for all Orientals resident in the US and for urban black males. Occurrence of PLC in Orientals has been related to the presence of markers for hepatitis B virus in the blood serum of affected individuals. (author). Nutrition and cancer. 1983. v. 5 (3/4). p. 165-186. ill., charts. Includes 57 references. (NAL Call No.: RC262.C5N8).

0704

Aflatoxin in respirable airborne peanut dust.

JTEH06. Sorenson, W.G. Jones, W.; Simpson, J.; Davidson, J.I. Washington, D.C. : Hemisphere Publishing. Journal of toxicology and environmental health. 1984. v. 14 (4). p. 525-533. Includes references. (NAL Call No.: ONAL RA565.A1J6).

CHEMISTRY

0705

The HPLC (High performance liquid chromatography) analysis of aflatoxins in raw peanuts with Sep-pak cleanup (Food composition analysis).

Hurst, W.U. Snyder, K.P.; Martin, R.A. Jr.
Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 21-23. ill. Includes 6 references. (NAL Call No.: SB351.P3P39).

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