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SUMMARY OF ACTIVITIES FISCAL YEAR 1962 PLANT QUARANTINE DIVISION

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Agricultural Research Service
UNITED STATES DEPARTMENT OF AGRICULTURE

SUMMARY OF ACTIVITIES, PLANT QUARANTINE DIVISION

Fiscal Year 1962

The Plant Quarantine Division has two primary functions, both of which have an important bearing on the maintenance of a strong agricultural economy in the United States. These are (1) to protect our crops, forests, ornamentals, and grasslands from invasion by foreign pests and to prevent the spread of such pests within the country, and (2) to facilitate the marketing of American-grown products abroad by inspecting and certifying exports to meet the plant quarantine requirements of importing countries. Both of these activities reached all-time highs in FY 1962.

Protection against the entry and spread of pests is accomplished by regulating the importation and interstate movement of products and articles likely to carry plant pests, and of pests as such. The regulations are enforced by Plant Quarantine Inspectors, stationed at major air, ocean, Great Lakes, and border ports of entry in the continental United States, Hawaii, Guam, Puerto Rico, the American Virgin Islands, Nassau, and Bermuda. Inspectors also work in The Netherlands, Belgium, Germany, Italy, and France in the preshipment clearance of bulbs destined to the United States, and in Mexico to supervise fumigation of citrus and other fruits prior to export to this country.

Plant Quarantine Inspectors examine imported cargoes of plants and plant products and require treatments or other safeguards, when necessary, to free them from pests. Working in cooperation with other Federal and State agencies, they inspect incoming planes, ships, automobiles, trains, freight cars, travelers and their baggage, miscellaneous nonagricultural cargoes, and other items to prevent the entry of pests. Imported plant propagating material is examined and treated by specially trained personnel at specially equipped inspection stations. Through a cooperative arrangement with the states, certain plants are held under postentry quarantine for an appropriate period for further observation.

Prepared by

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Plant Quarantine regulations and enforcement procedures place no more restrictions on travel or commerce than are considered essential to prevent the entry and spread of destructive pests. Products are prohibited entry into the United States only when their importation would represent a danger of pest introduction and no satisfactory method of treatment is available to eliminate the pest involved. The quarantines are kept under constant review and are promptly modified to take advantage of newly developed treatments and to meet changes in pest conditions throughout the world.

The inspection and certification of American-grown agricultural products for exportation has an important bearing on the maintenance of foreign markets for our farm products. Most countries will permit the importation of agricultural products only if properly certified as meeting their plant quarantine import requirements. Hence, it is essential that our export certification service be of a high standard so that importing countries will continue to accept certified U. S. products with confidence.

In FY 1962 nearly 39,000 export certificates were issued for plants and plant products covering shipments destined to 154 different countries. The United States exported harvested crops equal to the production from 1 out of every 5 acres. Exports included more than half of the wheat, dried edible peas, rice, and hops grown in this country; about one-third of the cotton, soybeans, tobacco, and dried prunes; nearly one-fourth of the rye and raisins; and one-fifth of the barley and cottonseed.

International travel reached a new peak in FY 1962, with 173 million entries through U. S. ports. The trend in foreign travel during recent years is illustrated by the fact that this represents an increase of 50 million entries in the past 7 years.

The danger of pest introduction resulting from this volume of travel is reflected by the greater number of destructive pests that arrived at our ports of entry in FY 1962. Pest interceptions totaled 33,033 - an average of 1 every 16 minutes during the year. Many of the world's most destructive insects, plant diseases, nematodes, mites, and snails were prevented entry by Plant Quarantine Inspectors.

Inspection results again demonstrated that thorough inspection of travelers' baggage is essential if we are to protect our crops, forests, ornamentals, and grasslands - with an estimated value of more than \$45 million - from foreign pests. More than half of the pests intercepted in FY 1962 were found in agricultural material brought in by travelers. It is quite possible that the re-appearance of the Mediterranean fruitfly in Florida during the year resulted from infested fruit entered by a traveler and discarded when it was found to be wormy. Approximately \$850,000 has been spent on eradication measures as a result of this introduction. The 1956 introduction of the Mediterranean fruitfly, which cost \$10 million to eradicate, could also have been caused in this way.

Additional measures were taken during the year to inform travelers about quarantine restrictions in an effort to reduce the danger of pest entry. Expanded use was made of television and radio. Plant Quarantine stations were furnished with information kits to assist them in working with television and radio stations and the press. Advantage is taken of important local interceptions to point out in news stories the costs to both producers and consumers when foreign pests are permitted to become established in this country. This approach has proven highly successful and has resulted in excellent newspaper coverage of plant quarantine activities. Educational leaflets have been prepared and distributed to travelers. This information is now being published in French, Spanish, Italian, German, Japanese, and English.

Statistical Summaries

The following statistical summaries of activities of the Plant Quarantine Division appear on the succeeding pages:

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- Table 4. Foreign Mail Inspection
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TABLE 1.--AIRPLANE INSPECTION ACTIVITIES, FISCAL YEAR 1962

Origin	Airplanes				
	Inspected	With Prohibited Material	Passengers Processed	Baggage (Pieces of)	Cargo (Pieces of)
Foreign	107,514	44,776	3,394,947	9,315,930	491,238
Domestic <u>1</u> /.....	408	89	5,446	12,461	-
Predeparture <u>2</u> /.....	21,812	5,462	1,136,375	2,795,124	356,842
Other	7,559	492	83,068	172,295	2
Total	137,293	50,819	4,619,836	12,295,810	848,082
Australia and New Zealand <u>3</u> /.....	668	142	32,439	79,034	95

1/ Planes originating in Hawaii, Puerto Rico and the Virgin Islands and landing on the mainland.

2/ Planes inspected in Hawaii, Puerto Rico, Bahama Islands, and Bermuda prior to departure for the mainland of the United States.

3/ Predeparture inspection services performed in Hawaii under the provisions of a Cooperative Agreement, prior to departure to Australia and New Zealand.

TABLE 2.--SHIP INSPECTION ACTIVITIES, FISCAL YEAR 1962

Origin	Ships			
	Inspected	With Prohibited Material	Passengers Processed	Pieces of Baggage Inspected
Foreign	58,320	24,352	1,038,263	3,140,231
Domestic <u>1</u> /.....	1,632	336	49,613	211,413
Total	59,952	24,688	1,087,876	3,351,644

1/ Ships originating in Hawaii and Puerto Rico and docking at mainland ports.

TABLE 3.--MEXICAN BORDER INSPECTION ACTIVITIES, FISCAL YEAR 1962

Vehicles	Coaches and Pullmans	Braceros <u>1</u> /	Baggage	Freight Cars	
				Inspected	Fumigated Cleaned
24,752,505	1,550	285,070	7,866,379	62,271	3 974

1/ Mexican Agricultural Laborers entering United States for seasonal work under contract.

TABLE 4.--FOREIGN MAIL INSPECTION, FISCAL YEAR 1962

Inspected	Of Plant Quarantine Interest <u>1/</u>	Entry Under Permit	Refused Entry
39,901,732	207,643	14,520	1,145

1/ Restricted articles, such as plants, plant products, plant pests and soil.

TABLE 5.--TRANSIT INSPECTION, FISCAL YEAR 1962 1/

Shipments Inspected	Federal Violations Reported	Shipments Reported to States
448,234	252	136

1/ The interstate movement of plants, plant products, and other regulated articles.

TABLE 6.--CARGO INSPECTION, FISCAL YEAR 1962

Entries Under Permit	Misc. Man Hours Inspection	Packages Treated or Cleaned <u>2/</u>	Export Certification Inspection	
			Export Certifi- cates Issued	Containers Shipped
76,656	47,545	2,742,021	38,954	42,062,271

1/ Inspection of non-regulated cargo shipments for pest risks.

2/ This does not represent products treated aboard ship while en route to the United States.

TABLE 7.--QUARANTINE MATERIAL INTERCEPTIONS, FISCAL YEAR 1962 1/

Baggage	Cargo	Mail	Quarters	Stores	Total
213,993	3,061	2,019	27,768	137,815	384,656

1/ Plants, plant products and other regulated articles refused entry.

TABLE 8.--PLANT PEST INTERCEPTIONS, FISCAL YEAR 1962

Kind	Consumption 1/	Non-Entry 2/	Propagation 3/	Miscellaneous 4/	Local 5/	Total
Insects.....	13,412	5,115	4,652	393	2,212	25,784
Diseases 6/..	2,081	2,253	1,879	53	556	6,822
Other.....	1,597	546	965	87	393	3,588
Total....	17,090	7,914	7,496	533	3,161	36,194

1/ Pests found on material of foreign origin which is to be used for food, processing or manufacturing.

2/ Pests infesting or infecting material found in ship and plane stores.

3/ Pests found in material entering for propagation.

4/ Pests found in transit inspection and export certification.

5/ Pests found in surveys in vicinity of ports of entry.

6/ Diseases includes nematodes.

TABLE 9.---INSPECTION ACTIVITIES CONFINED TO HAWAII, PUERTO RICO, AND VIRGIN ISLANDS, FISCAL YEAR 1962

a. Fruits and Vegetables

Item	Certified		Uncertified		Entered From British Virgin Islands into Virgin Islands of the U. S.
	Inspection Basis	Treatment Basis	Passed	Refused	
Shipments.....	2,494	1,216	7,774	19	1,069
Containers.....	361,132	278,350	1,013, 529	1,999	4,702
Pounds $\frac{1}{2}$	-	-	-	-	222,088

$\frac{1}{2}$ Represents bulk shipments only of certified and uncertified material and all shipments from British Virgin Islands to the Virgin Islands of the U. S.

b. Domestic Mail Packages

Certified for Movement to Mainland....	Total Handled	Opened	Certified	Refused
	1,413,694	272,934	246	813

c. Other Inspection

Hold Baggage	Automobiles	Cut Flowers and Leis	Express Packages
24,095	4,482	696,403	19,768

TABLE 10.--ACTIVITIES PERFORMED AT SPECIAL INSPECTION STATIONS, FISCAL YEAR 1962

a. Departmental Propagative Material Importations 1/

Item	Entered	Postentry Quarantine <u>2/</u>	Treated	Refused Entry
Shipments.....	809	159	534	-
Plant Units.....	10,281	4,763	6,675	-
Seeds (Pounds)...	8,479	18	7,977	-

1/ Regulated material imported and grown under United States Department of Agriculture sponsorship.

2/ Materials to be grown under conditions of quarantine isolation for a period of time after importation under continued PQ-State surveillance.

b. Other Propagative Material Importations

Item	Entered	Postentry Quarantine <u>1/</u>	Treated	Refused Entry
Shipments.....	6,497	612	4,918	267
Plant Units.....	3,133,706	568,475	2,788,049	13,947
Seeds (Pounds)...	101,165	1	77,886	2,333

1/ Material to be grown under conditions of quarantine isolation for a period of time after importation under continued PQ-State surveillance.

TABLE 10 (continued)

c. Departmentally-Grown Material

Shipments	Inspected	Units	Seeds (Pounds)	Treated
Domestic.....	1,676	74,110	3,782	269
Foreign.....	1,933	20,320	6,817	927

d. District of Columbia Regulations

Shipments	Inspected	Treated	D. C. Violations
Entering D. C.	2,061	-	-
Leaving D. C.	8,614	40	-

e. Departmental Non-Propagative Material

Number of Lots Treated 1,557

TABLE 11.--FRUIT TREATED IN MEXICO, FISCAL YEAR 1962 1/

Kind of Fruit	Mangos	Oranges	Tangerines	Plums
Pounds	212,670	322,497	103,518	-

1/ Fruit treated under supervision of plant quarantine inspectors to permit shipment into the U. S.

TABLE 12.--INSPECTION OF PLANT MATERIALS IN EUROPE, FISCAL YEAR 1962 1/

Name of Country	Bulbs		Number of Onion Sets	Quarts of Cormels	Pounds of Grapes	Pounds of Witloof or Chicory
	Number of Shipments	Number of Bulbs				
Belgium	407	13,407,300	-	-	2,445	1,410,142
France	33	793,717	-	-	-	-
Germany	12	-	-	-	-	-
Italy	10	576,255	-	-	-	-
Netherlands	4,459	209,556,650	-	1,255	-	-
Total	4,921	224,333,922	-	1,255	2,445	1,410,142

1/ Preshipment inspection and clearance of Plant Material in countries of origin performed under Cooperative Agreements.

TABLE 13.--ANIMAL QUARANTINE INSPECTION ACTIVITIES, FISCAL YEAR 1962 1/

Interceptions	Pounds
74,991	2,779,096

1/ Services performed under animal quarantine regulations.

TABLE 14.--COMPARATIVE SUMMARY OF ACTIVITIES (1957 - 1962)

Item	1957	1958	1959	1960	1961	1962
SHIPS						
Inspected.....	54,642	55,348	58,995	60,394	57,049	59,952
With Prohibited Material.....	17,544	17,892	22,169	22,386	23,832	24,688
Passengers.....	1,039,993	1,007,248	1,105,225	1,092,416	1,074,968	1,087,876
Baggage Inspected.....	3,281,556	3,098,998	3,486,640	3,988,338	3,613,279	3,351,644
PLANES						
Inspected.....	110,328	120,741	133,723	139,415	130,497	137,293
Hawaii to Aust. and N. Z.....	616	490	550	453	617	668
With Prohibited Material.....	42,404	43,208	46,868	47,741	46,782	50,819
Passengers.....	2,990,740	3,666,355	3,764,816	4,277,463	4,440,718	4,619,836
Baggage Inspected.....	7,535,088	8,781,520	9,733,480	10,776,357	11,588,758	12,295,810
Cargo Inspected.....	830,424	786,381	932,091	831,146	658,661	848,082
MAIL INSPECTION						
Packages.....	7,779,620	35,930,743 ^{1/}	37,391,885	37,903,668	37,787,959	39,901,732
Packages released under Permit	6,311	7,389	16,011	16,097	17,235	14,520
Packages refused under Entry..	1,795	2,029	1,464	1,274	1,092	1,145
TRANSIT INSPECTION						
Shipments Inspected.....	2,503,269	805,783	729,174	719,077	600,740	448,234
Federal Violations.....	1,034	330	327	204	307	252
Shipments reported States.....	713	643	396	638	236	136

^{1/} Increase is due to the adoption of a more accurate method of counting packages.

TABLE 14.--COMPARATIVE SUMMARY OF ACTIVITIES (1957 - 1962)--Continued

Item	1957	1958	1959	1960	1961	1962
MEXICAN BORDER TRAFFIC INSP.						
Vehicles Entering	18,453,115	19,434,535	21,119,747	22,656,765	24,249,712	24,752,505
Baggage Inspected	4,787,488	5,387,531	2/ 8,111,060	2/ 7,260,498	2/ 7,435,053	2/ 7,866,379
Freight Cars Entering	106,355	89,055	2/ 70,479	2/ 66,510	2/ 62,845	2/ 62,271
Freight Cars Fumigated	65	56	20	3	1	3
Coaches and Pullmans Entering	2,253	1,488	947	1,238	1,323	974
Shipments Ctfd. for Entry on the Mainland						
	13,522	14,809	4,045	4,093	3,450	2,494
Shipments Ctfd. for Entry on the Mainland after Treatment						
	1,994	2,438	1,354	1,110	954	1,216
Entries of Material under Permit	68,861	68,647	79,731	82,815	74,212	76,656
Export Certificates Issued	47,592	50,072	36,372	34,715	36,226	38,954
Packages Cleaned and Treated	2,070,180	1,326,189	1,614,016	1,831,688	2,606,957	2,742,021
Miscellaneous Inspection - Man Hours						
	31,297	30,414	37,209	44,630	51,298	47,545
Plant Pest Interceptions 2/	15,058	18,198	25,296	30,230	25,575	33,033
Quarantine Material Interceptions	290,959	311,391	319,713	314,367	323,603	384,656

2/ Does not include oil tank cars which are estimated to be approximately 20% of the total freight cars entered.

3/ Does not include local pest interceptions.