

Some Items of Interest to Kentucky Nurserymen

For the Year Ended June 30, 1947

BY W. A. PRICE AND
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The Kentucky Nursery Inspection Law, since its enactment in 1926, has been revised and is herein reproduced as it appears upon the statute books.

KENTUCKY REVISED STATUTES—SECTIONS 249.010 TO 249.990

249.010 DEFINITIONS. As used in this chapter, unless the context requires otherwise:

(1) "Commissioner" means the Commissioner of Agriculture, Labor and Statistics.

(2) "Department" means the Department of Agriculture, Labor and Statistics.

(3) "Director" means the Director of the Agricultural Experiment Station.

249.020 (1925a-1; 1925a-10) STATE ENTOMOLOGIST; ASSISTANTS. (1) The entomologist and botanist of the Agricultural Experiment Station shall be the State Entomologist.

(2) The State Entomologist shall serve without pay other than his salary as an officer of the Agricultural Experiment Station. He shall be paid his traveling expenses.

(3) The State Entomologist shall appoint a deputy entomologist and assistants.

249.030 (1925a-1; 1925a-10) ENTOMOLOGIST MAY MAKE RULES AND PUBLISH DATA. (1) The State Entomologist, with the advice and consent of the director and the commissioner, may prescribe, modify and enforce rules, regulations and orders needed to carry out KRS 249.020 to 249.100.

(2) The State Entomologist may publish bulletins, circulars and reports containing information concerning inspections, insects and plant diseases.

(3) The rules and regulations and publications shall be printed from time to time and furnished to interested persons.

249.040 (1925a-1) ESTABLISHMENT OF QUARANTINES. The State Entomologist shall, with the advice and consent of the director and the commissioner, establish and maintain quarantines against the importation into this state, of any trees, plants and parts of plants, whether nursery-grown or not, from any state or from any county within the state, where such plants or parts of plants are known to be affected with dangerous insect pests or plant diseases. He shall designate in announcements of quarantines the area quarantined, whether it constitutes a part of this state or of some other state.

249.050 (1925a-2) INSPECTION OF ARTICLES AND PREMISES; DISEASED PLANTS TO BE DESTROYED. Whenever the State

Entomologist or his deputy has reason to believe or is credibly informed that at any place within the state there has been introduced, or offered for sale, trees, plants or parts of plants infected or infested with diseases or destructive pests that are likely to spread, he shall investigate the suspected articles and premises. If they are found so infested or infected, he shall notify the owner or possessor, in writing, of the nature of the infestation, specifying the insects or diseases that have been found, and demand that within a reasonable specified time the affected articles or premises be disinfected, or destroyed by fire, under the direction of the State Entomologist, his deputy or assistant, and at the expense of the owner or possessor.

249.060 (1925a-8) NURSERIES, DEALERS AND AGENTS TO BE LICENSED. (1) Every resident nursery or agency selling nursery stock in this state shall annually file credentials with the State Entomologist. If these credentials are satisfactory to the State Entomologist, the director and the commissioner, the State Entomologist shall, upon payment of a fee of five dollars by the nursery or agency, issue it a license authorizing it to do business in the state.

(2) Every nonresident nursery and every agent, dealer or seller of trees, representing nonresident nurseries or dealers shall annually file credentials with the State Entomologist. These credentials shall include the names of nurseries, nurserymen or other persons represented. If these credentials are satisfactory to the State Entomologist, the director and the commissioner, the State Entomologist shall issue the license.*

(3) Any person soliciting orders for or delivering trees or plants in this state shall carry with him a copy of his license from this state, which he shall show to prospective buyers, purchasers, county officials or agents of the State Entomologist, on demand.

249.070 (1925a-3; 1925a-4) ENTOMOLOGIST TO INSPECT NURSERIES AND ORDER DESTRUCTION OF PESTS; SHIPMENT OF AFFECTED STOCK PROHIBITED. (1) All nurseries where trees, vines, plants or other nursery stock are grown and offered for sale, shall be inspected by the State Entomologist or by his assistant, once each year. He shall notify the owners of such nurseries, in writing, of the presence of any San Jose scale or other dangerous pests on the stock of these nurseries, and shall also notify, in writing, the owner of any affected nursery stock to take such measures, on or before a certain day, for the destruction of insect or fungus enemies of nursery stock as have shown to be effectual.

(2) The owner of the affected nursery shall, within the time specified, take such steps for the destruction of injurious insects or fungus enemies present, as will exterminate them.

(3) No person shall ship or deliver any such nursery stock affected with insects or fungus enemies, before treatment.

249.080 (1925a-5) ENTOMOLOGIST TO ISSUE CERTIFICATE FOR STOCK FREE FROM INSECTS AND FUNGUS. When the State Entomologist examines any trees, vines, plants or other nursery stock and finds the stock free from dangerously injurious insects and fungus enemies, he shall make out and deliver to the owner of the stock a certificate stating that he has inspected the stock and that he believes it to be free from dangerously injurious insects and fungus enemies. He shall

* Note—Only resident nurserymen and dealers are required to pay the five dollar license fee.

keep in his office, for the information of anyone interested, copies of all valid certificates issued by him.

249.090 (1925a-6) SHIPMENTS TO BE ACCOMPANIED BY INSPECTION CERTIFICATES. Whenever a resident nurseryman or seller of trees, vines, plants or other nursery stock ships or delivers such goods, he shall send on each package so shipped or delivered a printed copy of the certificate issued to him by the State Entomologist, stating that the stock has been inspected as required by law and is believed to be free from dangerously injurious insect or fungus enemies.

249.100 (1925a-7) NONRESIDENTS TO FILE, AND IMPORTED PLANTS TO BEAR, INSPECTION CERTIFICATES. Every nonresident nurseryman or other person intending to ship into this state trees, plants or parts of plants, whether nursery-grown or not, shall file with the State Entomologist a copy of a valid certificate from a state or United States Government inspector showing that the trees, plants or their parts have been inspected and that he is authorized to sell and ship or transport them. All packages of trees, plants or parts of plants shall bear a copy of a certificate of inspection from an official inspector. Transportation companies within the state shall notify the State Entomologist at once when any such trees or plants are received by them without a valid certificate. Nursery stock or other trees, plants or parts of plants shipped into this state in violation of a state or United States quarantine may be seized and destroyed or returned to the shipper at the expense of the owner or possessor.

249.200 (42g-1; 42g-2) JAPANESE BEETLE CONTROL. The State Entomologist shall adopt and carry out such measures as he deems advisable to protect crops from the ravages of the Japanese beetle (*Popillia japonica*). He may employ help, purchase materials and enforce such regulations as in his discretion are necessary to accomplish the purpose.

249.990 (42f-4; 200; 1923; 1925a-4; 1925a-9) PENALTIES. (1) Any person who violates any of the provisions of KRS 249.020 to 249.100 or hinders the carrying out of any of the provisions of those sections shall be fined not less than twenty-five dollars nor more than five hundred dollars.

(2) Any fine imposed for a violation of subsection (3) of KRS 249.070 may be recovered in the county in which the nursery is situated or the county to which the nursery stock is shipped.

SUMMARY OF REQUIREMENTS OF KENTUCKY NURSERY INSPECTION LAW

(1) It shall be unlawful to sell or offer for sale uninspected or uncertified nursery stock. A certificate of inspection indicates freedom from certain injurious insects and plant diseases but does not vouch for trueness to variety nor for grade and condition of any nursery stock.

(2) Growers of nursery stock for sale or shipment shall apply in writing before June 1st of each year to the State Entomologist, Kentucky Agricultural Experiment Station, Lexington, for inspection services.

(3) Every dealer in nursery stock shall secure a nursery dealer's permit. Before this is issued, however, he must furnish an affidavit that he will buy and sell only stock that is certified and will maintain with the State Entomologist a correct and complete list of all sources from which he gets his stock. Landscape architects and tree movers who handle nursery stock are classified as dealers.

(4) Every person who solicits orders for nursery stock shall obtain and carry an agent's permit which is secured only upon request of the nurseryman or dealer to be represented.

(5) All packages or bundles of nursery stock shipped by common carrier must have attached a copy of the inspection certificate or permit.

(6) Certificates and permits may be revoked for cause.

(7) Fees shall be paid as follows: Inspection certificate, \$5; dealer's permit, \$5. Agents' permits and nonresident nurserymen's certificates are without cost. Fees shall accompany application. Application blanks may be obtained from the State Entomologist.

(8) Nonresident nurserymen shall file copies of their state certificates and secure nonresident permits. Every package of nursery stock coming into Kentucky shall have a valid inspection certificate attached to the package. Nonresident nurserymen, dealers, and agents shall carry their Kentucky permits when soliciting orders or delivering nursery stock in Kentucky.

(9) All certificates and permits automatically expire June 30 following date of issuance.

"NURSERY STOCK" DEFINED

Nursery stock includes all trees, shrubs, vines; roses, strawberry, raspberry, and blackberry plants; herbaceous perennial plants and roots; ornamental bulbs, corms, tubers and rhizomes; and any parts of the above groups of plants capable of disseminating injurious insects and plant diseases. For regulatory purposes the term "Nursery Stock" includes all plants which grow out of doors and live more than one year, whether nursery grown or native.

REQUIREMENTS FOR SHIPMENT OF NURSERY STOCK INTO OTHER STATES

A summary of the major requirements for shipping nursery stock into other states is here given. It will be noted that most states require the out-of-state shipper to file a copy of his nursery inspection certificate with the proper administrative authority before shipments are made. Only three states require filing fees, except under special conditions, which are noted in a table which follows.

Special shipping tags are required and will be furnished at a nominal cost to the shippers by the following states: Arkansas (\$2 per 100 tags); Florida (\$3.24 per 100 tags); Georgia (\$1.00 per 100 tags); and New Mexico (\$1.25 per 100 tags).

A special tag should be secured and attached to each bundle of nursery stock shipped to any of the four states listed.

State	State of Origin Certificate filed	Nurseryman's filing fee	Agent's fee	Special tag	Posted Bonds
Alabama	Yes	Reciprocal	\$1	No	None
Arizona	No	None	None	No	None
Arkansas	Yes	Reciprocal	\$1	Yes	Reciprocal
California	No	None	None	No	None
Colorado	Yes	None	None	No	None
Connecticut	No	None	None	No	None
Delaware	Yes	None	None	No	None
Florida	Yes	None	None	Yes	None
Georgia	Yes	Reciprocal	\$1	Yes	\$1000 ¹
Idaho	Yes	\$5 to \$15	\$1	No	\$1000 ¹
Illinois	Yes	None	None	No	None
Indiana	Yes	None	\$1	No	None
Iowa	Yes	Reciprocal	None	No	None
Kansas	Yes	Reciprocal	None	No	None
Kentucky	Yes	None	None	No	None
Louisiana	No	None	None	No	None
Maine	Yes	None	None	No	None
Maryland	Yes	Reciprocal	None	No	None
Massachusetts	Yes	None	None	No	None
Michigan	Yes	\$15 or reciprocal ²	\$1	No	None
Minnesota	Yes	Reciprocal	Reciprocal	No	None
Mississippi	Yes	Reciprocal	None	No	None
Missouri	Yes	\$1 ³	None	No	None
Montana	Yes	\$5 to \$25	\$25	No	None
Nebraska	Yes	Reciprocal	\$1	No	None

Nevada	No	None	None	No	None
New Hampshire	No	None	None	No	None
New Jersey	Yes	Reciprocal	None	No	None
New Mexico	Yes	\$10	\$25	Yes	None
New York	No	None	None	No	None
North Carolina	Yes	Reciprocal	None	No	\$1000 ¹
North Dakota	Yes	Reciprocal	None	No	None
Ohio	Yes	Reciprocal	\$1	No	None
Oklahoma	Yes	Reciprocal	\$1	No	None
Oregon	No	None	\$1	No	None
Pennsylvania	Yes	None	None	No	None
Rhode Island	Yes	None	None	No	None
South Carolina	Yes	None	None	No	None
South Dakota	Yes	Reciprocal	\$1	No	None
Tennessee	Yes	Reciprocal	Reciprocal	No	\$5000 ⁴
Texas	Yes	Reciprocal	None	No	None
Utah	Yes	\$10 ²	None	No	None
Vermont	No	None	None	No	None
Virginia	No	Reciprocal	Reciprocal	No	None
Washington	No	Reciprocal	\$1	No	None
West Virginia	Yes	None	\$1	No	None
Wisconsin	Yes	None	None	No	None
Wyoming	Yes	Reciprocal	None	No	None

¹ Only for fruit-stock shippers.

² For nurserymen who operate through agents.

³ Only to sweetpotato-plant shippers.

⁴ For nurserymen who promise maintenance.

PLANT QUARANTINE OFFICIALS OF THE STATES, TERRITORIES, DISTRICT OF COLUMBIA, CANADA, AND MEXICO

Alabama	B. P. Livingston, Chief, Division of Plant Industry, State Department of Agriculture and Industries, 515 Dexter Avenue, Montgomery 1
Alaska	Hon. G. W. Gasser, Commissioner of Agriculture, Fairbanks
Arizona	J. L. E. Lauderdale, State Entomologist, P. O. Box 2006, Phoenix
Arkansas	Paul H. Millar, Chief Inspector, State Plant Board, Little Rock
California	H. M. Armitage, Chief, Bureau of Entomology and Plant Quarantine, State Department of Agricul- ture, Sacramento 14
Canada	W. N. Keenan, Chief, Plant Protection Division, De- partment of Agriculture, Ottawa, Ontario
Colorado	F. Herbert Gates, State Entomologist, Bureau of Plant and Insect Control, 20 State Museum, Den- ver 2
Connecticut	Dr. Roger B. Friend, State Entomologist, Agricu- tural Experiment Station, Box 1106, New Haven 4

Delaware	Ed. A. Andrews, Plant Pathologist, State Board of Agriculture, Dover
District of Columbia	F. P. Hubert, Bureau of Entomology and Plant Quarantine, U. S. Department of Agriculture, Washington 25
Florida	Arthur C. Brown, Plant Commissioner, State Plant Board, Gainesville
Georgia	C. H. Alden, Director of Entomology, State Capitol, Atlanta 3
Hawaii	D. T. Fullaway, Chief Plant Inspector, Board of Commissioners of Agriculture and Forestry, Honolulu
Idaho	Wilson Kellogg, Acting Director, Bureau of Plant Industry, State Department of Agriculture, Boise
Illinois	H. F. Seifert, Horticultural Inspection Supervisor, Room 300, Professional Arts Building, Glen Ellyn
Indiana	Frank N. Wallace, State Entomologist, State Department of Conservation, Indianapolis
Iowa	Dr. H. M. Harris, State Entomologist, Ames
Kansas, North.....	Dr. Roger C. Smith, State Entomologist, State College of Agriculture and Applied Science, Manhattan
South.....	Dr. H. B. Hungerford, Entomologist, Entomological Commission of Kansas, Lawrence
Kentucky	Professor Walter A. Price, State Entomologist, College of Agriculture, University of Kentucky, Lexington
Louisiana	W. E. Anderson, State Entomologist, State Department of Agriculture and Immigration, Box 4153, Capitol Station, Baton Rouge
Maine	S. L. Painter, Horticulturist, Division of Plant Industry, State Department of Agriculture, Augusta
Maryland	Dr. E. N. Cory, State Entomologist, University of Maryland, College Park
Massachusetts	Louis J. Brems, Director, Division of Plant Pest Control and Fairs, State House, Boston 33
Mexico	Ing. Dario Arrieta, Director General of Agriculture, San Jacinto, D. F. Mexico
Michigan	C. A. Boyer, Chief, Bureau of Plant Industry, State Department of Agriculture, Lansing 13
Minnesota	T. L. Aamodt, Director, Bureau of Plant Industry, State Department of Agriculture, Dairy and Food, University Farm, St. Paul 8
Mississippi	Dr. Clay Lyle, Entomologist, State Plant Board, State College
Missouri	Lloyd E. Adams, State Entomologist, State Department of Agriculture, Jefferson City
Montana	George L. Knight, Chief, Division of Horticulture, State Department of Agriculture, Labor, and Industry, Missoula
Nebraska	L. M. Gates, Entomologist, Bureau of Plant Industry, State Department of Agriculture and Inspection, Lincoln

- NevadaGeorge G. Schweis, Director, Division of Plant Industry, State Department of Agriculture, P. O. Box 1027, Reno
- New HampshireDr. W. C. O'Kane, Deputy Commissioner, Insect and Plant Disease Suppression and Control, State Department of Agriculture, Durham
- New JerseyHarry B. Weiss, Chief, Bureau of Plant Industry, State Department of Agriculture, Trenton 8
- New MexicoProfessor R. F. Crawford, Head of Biology, College of Agriculture and Mechanic Arts, State College
- New YorkDr. A. B. Buchholz, Director, Bureau of Plant Industry, State Department of Agriculture and Markets, Albany 1
- North CarolinaDr. C. H. Brannon, State Entomologist, State Department of Agriculture, Raleigh
- North DakotaDr. J. A. Munro, Chairman, Department of Entomology, North Dakota Agricultural College, Fargo
- OhioJohn Baringer, Assistant Chief in Charge, Division of Plant Industry, State Department of Agriculture, Columbus 15
- OklahomaClyde A. Bower, Director, Division of Entomology and Plant Industry, State Department of Agriculture, Oklahoma City 5
- OregonFrank McKennon, Chief, Division of Plant Industry, State Department of Agriculture, Agricultural Building, Salem
- PennsylvaniaDr. T. L. Guyton, Director, Bureau of Plant Industry, State Department of Agriculture, Harrisburg
- Puerto RicoLuis A. Catoni, Chief Inspector, Department of Agriculture and Commerce, San Juan
- Rhode IslandCedric C. Jennings, Entomologist, Division of Entomology and Plant Industry, State Department of Agriculture and Conservation, State House, Providence 2
- South CarolinaJ. A. Berly, Chief, Division of Entomology and Zoology, Clemson College, Clemson
- South DakotaJ. F. Randall, Director, Division of Plant Industry, State Department of Agriculture, Pierre
- TennesseeProfessor G. M. Bentley, State Entomologist and Plant Pathologist, 65 Biology Building, University of Tennessee, Knoxville
- TexasWalter T. McKay, Chief, Division of Entomology and Plant Quarantines, State Department of Agriculture, Austin
- UtahBlaine C. Taylor, State Entomologist, State Department of Agriculture, Salt Lake City
- VermontDr. M. B. Cummings, State Nursery Inspector, Agricultural Experiment Station, Burlington
- Dr. Harold L. Bailey, Director, Division of Plant Pest Control, State Department of Agriculture, Montpelier.

Virginia	Dr. G. T. French, State Entomologist, State Department of Agriculture and Immigration, 1112 State Office Building, Richmond 19
Washington	William H. Shaw, Supervisor of Horticulture, State Department of Agriculture, Olympia
West Virginia	F. Waldo Craig, Entomologist, State Department of Agriculture, Charleston 5
Wisconsin	E. L. Chambers, State Entomologist, State Department of Agriculture, State Capitol, Madison 2
Wyoming	Dr. B. Thomas Snipes, State Entomologist, State Department of Agriculture, Powell

STRAWBERRY PLANT CERTIFICATION

It has been the custom for many years to inspect strawberry fields once each year, either in late summer or early fall. This practice has been changed recently to a dual inspection, the first of which is made during the blooming season and the second during the fall months. This procedure became advisable because of the prevalence in some states of a disorder known as red stele disease. Strawberry fields in Kentucky have not suffered from the disease but several states in the middle west have reported serious losses from this trouble.

Plants affected with red stele show a reddish brown color and a watery condition within the crowns. The roots of infected plants die back and in the early stages of the disease show a reddish core. Leaves die slowly from red stele disease and display symptoms very similar to those due to unfavorable growing conditions commonly experienced during summer and fall months.

Red stele disease does not always kill plants that are infected. Plants may carry the disease and all outward manifestations of its presence may be lacking. Infected plants growing on high, well-drained ground rarely show any symptoms of the disease. The same plants, when transplanted to low, poorly-drained ground soon show all the characteristic evidence of the trouble. In fields where the infection is light, it is difficult to locate the disorder. However, if the disease is present it is most likely to manifest symptoms early in the spring. For this reason a blossomtime inspection has been added to the regular fall inspection program.

Anyone wishing inspection for strawberry plants should make application for this service before the end of March. Such commu-

nications should be sent to the State Entomologist, Kentucky Agricultural Experiment Station, Lexington, Kentucky.

BARBERRY AND MAHONIA REGULATIONS

A portion of the Federal Quarantine number 385 dealing with the black stem rust on small grains, is here given for the benefit of those producers of barberry and mahonia species and varieties that may act as host to the disease. Under this quarantine certain species, varieties, or hybrids may be shipped to or between protected states under permit only. The list includes the following:

<i>Berberis beaniana</i>	<i>Berberis potanini</i>
<i>Berberis buxifolia</i>	<i>Berberis sanguinea</i>
<i>Berberis candidula</i>	<i>Berberis sargentiana</i>
<i>Berberis chenaulti</i> (hybrid)	<i>Berberis stenophylla</i> (hybrid)
<i>Berberis circumserrata</i>	<i>Berberis triacanthophora</i>
<i>Berberis concinna</i>	<i>Berberis verruculosa</i>
<i>Berberis darwini</i>	<i>Mahonia aquifolium</i> (Berberis)
<i>Berberis edgeworthiana</i>	<i>Mahonia bealei</i> (Berberis)
<i>Berberis gagnepaini</i>	<i>Mahonia dictyota</i> (Berberis)
<i>Berberis gilgiana</i>	<i>Mahonia gracilis</i> (Berberis)
<i>Berberis julianae</i>	<i>Mahonia nervosa</i> (Berberis)
<i>Berberis koreana</i>	<i>Mahonia pinnata</i> (Berberis)
<i>Berberis mentorensis</i>	<i>Mahonia repens</i> (Berberis)

The following rust-resistant varieties of Japanese barberry may be shipped to any state without restrictions or permits:

<i>Berberis thunbergi</i>
<i>Berberis thunbergi</i> var. <i>atropurpurea</i>
<i>Berberis thunbergi</i> var. <i>maximowiczii</i>
<i>Berberis thunbergi</i> var. <i>minor</i>
<i>Berberis thunbergi</i> f. <i>erecta</i> .

No permits are required for shipments of barberry and mahonia cuttings (without roots) to be used for decorative purposes and not for propagation. All varieties of barberry and mahonia not listed above are denied entry to any of the protected states. The protected states under quarantine 385 are Colorado, Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Montana, Nebraska, North Dakota, Ohio, Pennsylvania, South Dakota, Virginia, Washington, West Virginia, Wisconsin, and Wyoming.

Application for permit to ship barberry or mahonia into any of the protected states should be addressed to the Division of Domes-

tic Plant Quarantines, Bureau of Entomology and Plant Quarantine, United States Department of Agriculture, Washington 25, D. C.

INTERSTATE MOVEMENT OF AGRICULTURAL COMMODITIES

Improved transportation methods and equipment are making it possible and profitable for farmers, florists, and nurserymen to specialize in the production of crops and plants which heretofore were grown only on a small scale. The skill and experience of the grower, the local labor supply, as well as the soil and climatic factors of a given locality, may make specialization desirable.

As specialization increases, interstate movement of commodities increases. In direct proportion also the danger of spreading insects and plant disease increases. There are numerous plant pests within the United States which are still limited to comparatively small areas. To prevent their spread, particularly under the specialization plan, there must be cooperation between producers, shippers, and regulatory officials.

TWO SERIOUS PESTS

As indicated by surveys during 1946, Kentucky is free from the Japanese beetle and the white-fringed beetle. Both, of foreign origin, are very serious and destructive plant pests. The adults feed upon vegetation above ground and the larvae or grubs feed upon and destroy the roots and underground portions of plants.

The seasonal history in this country is very similar for both insects. Adult beetles are present and feeding upon vegetation, including more than 200 host plants, from late June until September or later, in case of the white-fringed beetle. Eggs are laid in or on the ground during the summer months. Hatching occurs in a few days and the young grubs begin to feed upon the roots of plants in the immediate vicinity, destroying nearly all plants attacked. The grubs remain in the soil during the winter and the following spring, transform to pupae and, later, to adults. There is a single generation each year.

These insects are so destructive and so difficult to control that it seems appropriate that a warning be issued concerning their im-

portation into Kentucky. The unauthorized movement of balled and potted plants from infested areas offers perhaps the greatest danger of spreading these pests. Everyone should exercise extreme care in this matter.

The Japanese beetle has been found in practically all states north and east of Kentucky and the white-fringed beetle now infests parts of South Carolina, North Carolina, Georgia, Florida, Alabama, Mississippi, and Louisiana.

ELM DISEASES

With the entry of Dutch elm disease into Kentucky, another threat is made to the elm trees of the state. Phloem Necrosis, a virus disease, has already taken a heavy toll among the elms in this area. Together the two diseases may destroy, in this locality, a good portion of our most beautiful and highly prized species of shade tree.

In Kentucky 22 elm trees infected with Dutch elm disease have been found by agents of the Bureau of Entomology and Plant Quarantine. The trees are located in Boone, Campbell, Gallatin, Kenton, and Pendleton counties. Phloem Necrosis is generally distributed over the northern and central portions of the state, where it has been destructive to elms for a period of several years.

There is no known control for either of these troubles. To curtail spread of the diseases, which are thought to be insect borne, all dead and dying elms should be cut and burned promptly.

KENTUCKY NURSERYMEN WHO RECEIVED CERTIFICATES OF INSPECTION, 1946-47

Name	Address	Acre- age	Kind of Stock
Akers, Ernest	Amba	¼	Fruit
Arterburn, Mrs. Paul	St. Matthews	10	Ornamental
Barnett's Nursery, A. E. Barnett	Murray	1	Ornamental
Baumgarten, Karl B.	Louisville	2	Ornamental
Bellfonte Nursery, Orval Lycan	Ashland	5	Ornamental
Big Sandy Nursery, W. S. Burris	Buchanan	1	General
Blankenbaker, S. H.	Jeffersontown	5	Ornamental
Carter Nursery, H. V. Pack	Carter	1	General

Name	Address	Acre- age	Kind of Stock
Chick's Nursery	Marion	2	General
Clark, Joe A.	Webster	¼	Fruits
Clay Nursery J. H. Threlkeld & M. D. Threlkeld	Clay	10	General
Clyffty Evergreen Gardens, D. L. Parsons	Catlettsburg	1	Ornamental
Crawford I. T.	Murray	2	Gladioli
Crume Nursery & Land- scape Co., T. C. Crume	Florence	40	General
Curry, J. G.	Hawesville		Sweetpotato plants
Davis, Robert H.	Mayfield	1½	Strawberry plants
Dixie View Nursery, A. L. Heger	Covington	60	General
Dressman, J. A.	Covington, R. 3		Tulip bulbs
Durrett, Lydean	Louisville, R. 7	2	General
Evans Brothers	Christine	½	Fruits
Farrington, O. M.	Lexington, R. 3		Gladioli
Fike Nursery	Hopkinsville	50	General
Gardiner, Boone Nurseries..	Louisville, R. 6	10	General
Gramse Nursery	Paducah	5	General
Grant Gardens, H. L. Grant	Louisville	1	Ornamental
Green River Home Nur- series, W. A. Sandefur	Robards	5	General
Haag Nursery, R. L. Haag	Jeffersontown	30	General
Harris, Robert	Blandville	6	Strawberry plants
Hartmann, Walter	Louisville, R. 6	2	Perennials, bulbs
Hendrick Nursery	Bowling Green	3	General
Highland Fruit Farm, Truman Taylor	Waynesburg	3	Strawberry plants
Highland Place Nursery, Mrs. Joseph Garrett	Versailles	5	General
Hills Nursery, William Hill	Warsaw	40	General
Hillenmeyer Nurseries	Lexington	260	General
Humphreys' Landscape Service, A. G. Humphreys	Mt. Sterling	5	General
Johnston, Allie	Calvert City	3	General
Kelley, Asa	Fordsville	1	Fruits
Keltner, Hobart	Pickett	½	Fruits
Kingsley Walker Company..	Louisville	1	General
Kistler, Mrs. Belle M.	Anchorage	2	Ornamental
Klein Nursery & Floral Company	Crestwood	65	General
Korfhage Nursery & Florist	Shively	5	General
Leeming Nursery	Shively	5	General
Lindburg Nursery	Lexington	2	General
Martin's Nursery, R. F. Martin	Carrollton	30	General
McCutcheon's Greenhouses..	Paducah		Greenhouse
Metcalfe Floral Company....	Hopkinsville		Greenhouse
Miller, C. B.	Greenville	½	Strawberry plants

Name	Address	Acre- age	Kind of Stock
Mink's Nursery, W. H. Mink	London	1	General
Mt. Pleasant Gardens	Ft. Thomas	5	General
Murray Nursery & Florist, W. A. Roberts	Murray	2	General
Nick's Nursery	Anchorage	20	General
Overby J. L.	Mayfield	3	Strawberry plants
Patterson, A. C.	Centertown	10	Gladioli
Perennial Farms	Louisville	½	Ornamental
Piper, Bernard B.	Clinton	1	Fruits
Pomona Nurseries	Bowling Green	10	General
Ray, Carl, Company	St. Matthews	2	General
Razor, V. C.	Flemingsburg	½	Fruits
Renfro Valley Nursery	Renfro Valley	1	Red Bud
Reynolds, A. D. & Son	Bondville	5	General
Ridgeway Nurseries, Theo Zollinger	St. Matthews	5	General
Sanders Brothers Nursery..	Paducah	7	General
Schmaus, Roy	Benton	1	General
Schulz, Jacob Company	Louisville	1	General
Shupe Nurseries	Sedalia	5	General
Singer Gardens	Stamping Ground	3	Ornamental
Smits Greenhouse	Paris	3	General
Soil Conservation Nursery..	Paducah	20	Forest tree seedlings
Spring Hill Nursery	Ashland	1	General
Todd County Nursery, J. M. Green	Trenton	2	General
Valentine Nurseries	Keavy	5	Hemlock
Wakefield Realty Company Walnut Lawn Farm, L. R. James	Louisville, R. 6	40	General
Lexington	3	General	
Webb, Clifton	Hawesville		Sweetpotato plants
Webb, R. F.	Warsaw	1	Ornamental
Webb, S. T.	Eubank	2	Strawberry plants
Wettstain, H. C.	Lewisport		Sweetpotato plants
Whittinghill, Lonnie M.	Love	2	General
Whittinghill, Samuel D.	Love	¼	Fruits
Willadean Nursery	Sparta	60	General
Yopp Nursery	Paducah	3	General

NURSERY DEALERS

Alexander, I. P.	Campbellsville
Bacon, J. & Sons	Louisville
Ball, H. G.	Madisonville
Barr & Leichhardt Nursery	Bowling Green
Bickers, Arnold	Lexington
Bomar-Summers	Louisville
Brashear, G. D.	Hazard
Bunton Seed Company	Louisville
Elam, Charlie	Jeffersonville
England, A. G.	Louisville
Estes, Duard	Lexington
Grant, W. T. Co.	Louisville

Green, H. L. Co., Inc.	Louisville
Green, L. E.	Louisville
Harvill, A. M.	Princeton
Haupt, Fred, Florist	Louisville
Hill, George D.	Richmond
Hines, W. T.	Bowling Green
Kensinger, M. W.	Loyall
Kentucky Nursery Service	Richmond
Kresge, S. S. Co., No. 56	Louisville
Kresge, S. S. Co.	Covington
Kresge, S. S. Co.	Newport
Kresge, S. S. Co.	Owensboro
Kresge, S. S. Co.	Paducah
Kresge, S. S. Co., No. 2609	Louisville
Kress, S. H. & Co.	Ashland
Kress, S. H. & Co.	Hopkinsville
Laswell, George S.	Kings Mountain
Lose Brothers	Louisville
McBride, Thomas W.	Bowling Green
McCrorry Store	Louisville
McLean, M. E.	Germantown
Miller & Wihry	Anchorage
Montgomery Ward & Co.	Hopkinsville
Murphy, G. C. Co.	Ashland
Murphy, G. C. Co.	Maysville
Murphy, G. C. Co.	Paintsville
Murphy, G. C. Co.	Pikeville
Newberry, J. J. Co.	Owensboro
Newberry, J. J. Co.	Henderson
Newberry, J. J. Co.	Louisville
Newberry, J. J. Co.	Frankfort
Newberry, J. J. Co.	Paris
Newberry, J. J. Co.	Winchester
Newberry, J. J. Co.	Harlan
Newberry, J. J. Co.	Hazard
Newberry, J. J. Co.	Shelbyville
Newberry, J. J. Co.	Elizabethtown
Newberry, J. J. Co.	Glasgow
Newberry, J. J. Co.	Cynthiana
Newberry, J. J. Co.	Central City
Newberry, J. J. Co.	Corbin
Newberry, J. J. Co.	Mayfield
Newberry, J. J. Co.	Harrodsburg
Newberry, J. J. Co.	Mt. Sterling
Newberry, J. J. Co.	Versailles
Newberry, J. J. Co.	Pineville
Newberry, J. J. Co.	Lebanon
Newberry, J. J. Co.	Richmond
Newberry, J. J. Co.	Lawrenceburg
Newberry, J. J. Co.	Danville
Newberry, J. J. Co.	Bardstown
O'Connor, C. E. (Arrow-Wood Farms)	Warsaw
Ostrander, John O.	Louisville
Otte, Clarence	Louisville
Owens, Lee A.	Henderson
Powell Seed Store	Louisville
Renfrow, H. E.	Beaver Dam

Ruysenaars, John C.	Louisville
Sanders, F. C.	Central City
Scott-Burr Stores Corp.	Middlesboro
Scott-Burr Stores Corp.	Ashland
Scott-Burr Stores Corp.	Hazard
Scott-Burr Stores Corp.	Harlan
Sears, Roebuck & Co.	Owensboro
Setters, James	Jeffersonville
Stoke, Louis, Jr.	Louisville
Straus, Kaufman Co., Inc.	Louisville
Tipton, Richard	Madisonville
Universal Bulb Corp.	Yonkers, New York
Woolworth, F. W. Co.	Paducah
Woolworth, F. W. Co.	Owensboro
Woolworth, F. W. Co.	Henderson
Woolworth, F. W. Co.	Bowling Green
Woolworth, F. W. Co.	Hopkinsville
Woolworth, F. W. Co.	Mayfield
Woolworth, F. W. Co.	Madisonville
Woolworth, F. W. Co., No. 34	Louisville
Woolworth, F. W. Co.	Covington
Woolworth, F. W. Co.	Lexington
Woolworth, F. W. Co.	Newport
Woolworth, F. W. Co.	Frankfort
Woolworth, F. W. Co.	St. Matthews
Woolworth, F. W. Co.	Richmond
Woolworth, F. W. Co.	Danville
Woolworth, F. W. Co., No. 1702	Louisville
Woolworth, F. W. Co., No. 1988	Louisville

NONRESIDENT NURSERIES

Allen Nurseries and Seed House	Geneva, Ohio
Andrews Nursery Company	Fairbault, Minnesota
Arcadia Rose Company	Newark, New York
Armstrong Nurseries	Ontario, California
Arp Nursery Company	Tyler, Texas
Athens Nursery Company	Athens, Alabama
Backer Brothers	Kingsport, Tennessee
Barker Brothers Nursery	McMinnville, Tennessee
Bass Pecan Company	Lumberton, Mississippi
Baxter Nursery	Baxter, Tennessee
Belgian Azaleas, Inc.	Fern Park, Florida
Benson-Omaha Nursery	Omaha, Nebraska
Benton and Smith Nut Tree Nursery	Wassaic, New York
Bernhardt, D. J.	Three Rivers, Michigan
Berry Plant Nursery	Smithville, Tennessee
Berryhill Nursery Company	Springfield, Ohio
Blaser's Nurseries	Tallahast, Florida
Bobbink & Atkins	East Rutherford, New Jersey
Bork, Leslie	Onarga, Illinois
Bosley Nursery	Mentor, Ohio
Bountiful Ridge Nurseries	Princess Anne, Maryland
Boyd, John D.	Laurelburg, Tennessee
Boyd Nursery Company	McMinnville, Tennessee
Braswell Nurseries	Smithville, Tennessee
Breedlove Nursery	Tyler, Texas

Bristol Nurseries	Bristol, Connecticut
Brown Bulb Ranch	Capitola, California
Browne, Otis H.	Owatonna, Minnesota
Brule Valley Nurseries	Brule, Wisconsin
Brush, Paul, Rose Nursery	Tyler, Texas
Burr, C. R. & Co., Inc.	Manchester, Connecticut
Burton's Hill Top Nurseries	Casstown, Ohio
C Z Nurseries, Inc.	Madison, Ohio
Carter, F. I., and Sons	Tewksbury, Massachusetts
Cartwright Nurseries	Collierville, Tennessee
Cedar Grove Nursery Company	Smithville, Tennessee
Central New York Nurseries	Geneva, New York
Champion Nurseries	Perry, Ohio
Chase Nursery Company	Chase, Alabama
Cherokee Orchard	Gatlinburg, Tennessee
Civiletto's, George Greenhouses	Fredonia, New York
Clinton Forest Nursery	Clinton, Tennessee
Cole Nursery Company	Painesville, Ohio
Colonial Nurseries	New Providence, New Jersey
Commercial Nursery Company	Decherd, Tennessee
Conard-Pyle Company	West Grove, Pennsylvania
Congdon, H. E., Nursery	North Collins, New York
Conger's Nurseries	Smithville, Tennessee
Cottage Gardens	Lansing, Michigan
Couch Brothers Nursery Company	McMinnville, Tennessee
Crawford Gardens	Toledo, Ohio
Cumberland Nursery Company	Smithville, Tennessee
Cumberland Valley Nurseries, Inc.	McMinnville, Tennessee
Cummings & Moyle	Chicago, Illinois
Davis, E. C. and Company	Rose Hill, Virginia
Davis, W. F.	Van Fleet, Mississippi
Dibrell Nursery Company	McMinnville, Tennessee
Dixie Line Nursery Company	Smithville, Tennessee
Dixie Rose Nursery	Tyler, Texas
Drake, E. B., Nurseries	Winchester, Tennessee
Driver's Wholesale Nurseries	McMinnville, Tennessee
Dyess Reliance Rose Nursery	Tyler, Texas
East's Nursery	Amity, Arkansas
Easterly Nurseries	Cleveland, Tennessee
Economy Nursery Company	Little Silver, New Jersey
Emlong Nurseries	Stevensville, Michigan
Emmons & Company	Newark, New York
Empire Nursery and Orchard	Baileyton, Alabama
Empire Nursery Products Company	Newark, New York
Everblooming Rose Nursery	Tyler, Texas
Evergreen Garden Nursery	McMinnville, Tennessee
Evergreen Nurseries	Germantown, Tennessee
Evergreen Nursery Company	Sturgeon Bay, Wisconsin
Fair Chance Farm	Beloit, Kansas
Fairview Nursery Company	McMinnville, Tennessee
Farmer Seed & Nursery Company	Faribault, Minnesota
Farmers Wholesale Nursery	Smithville, Tennessee
Ferrell's Nursery Company	Smithville, Tennessee
Field, Henry, Seed and Nursery Co.	Shenandoah, Iowa
Fiore, Charles, Nurseries	Prairie View, Illinois
Flower City Rose Company	Manchester, Connecticut
Flowerfield Bulb Farm	Flowerfield, New York
Flowerland, Inc.	Bristol, Tennessee

Forest Nursery Company, Inc.	McMinnville, Tennessee
Foster Nursery Company, Inc.	Fredonia, New York
Francis, Mrs. Paul	LaFollette, Tennessee
Frazier Nursery Company	Smithville, Tennessee
Fremont Nursery	Fremont, Ohio
Fruitland Nurseries	Augusta, Georgia
Fulton Nursery Company	Smithland, Tennessee
Fuston, H. B.	Knoxville, Tennessee
Gardens of the Blue Ridge	Ashford, North Carolina
Gardner Nursery	Osage, Iowa
George, James I. and Son	Fairport, New York
Gilley & Lassiter Nursery & Plant Co	Smithville, Tennessee
Gold Chestnut Nursery	Cowen, West Virginia
Graham-Charlton, Inc., The Geneva Nursery Company	Geneva, New York
Greene, Claude	Beersheba Springs, Tennessee
Haley Nursery Company	Smithville, Tennessee
Haley, W. P. & Sons, Nurseries	McMinnville, Tennessee
Hallum, H. G., Nursery Company	McMinnville, Tennessee
Harding Brothers Nursery Company	McMinnville, Tennessee
Harris, Joseph, Company, Inc	Rochester, New York
Harrison Brothers Nurseries	Berlin, Maryland
Harville Rose Service	Tyler, Texas
Hawkersmith Nursery Company	Winchester, Tennessee
Henderson, Peter, and Company	Red Bank, New Jersey
Hermitage Nurseries	Smithville, Tennessee
Hibiscus Gardens	St. Paul, Minnesota
Highland Nursery Company	Beersheba Springs, Tennessee
Highway Gardens	McMinnville, Tennessee
Hill, D., Nursery Company	Dundee, Illinois
Home Garden Company	Lysander, New York
Home Nursery Company	Fort Gay, West Virginia
Hostetler, George M.	Westover, Maryland
Howard Rose Company	Hemet, California
Howell Nursies, Inc.	Knoxville, Tennessee
Hoyt Nursery	Grapevine, Texas
Huntsville Wholesale Nurseries, Inc.	Huntsville, Alabama
Hysinger Nurseries	Cleveland, Tennessee
Ideal Nursery & Orchard Company	Smithville, Tennessee
Imlay Company	Zanesville, Ohio
Inter-State Nurseries	Hamburg, Iowa
Jackson & Perkins Company	Newark, New York
Jewell Nurseries, Inc.	Lake City, Minnesota
John's	Apopka, Florida
Johnson, F. S.	Coker Creek, Tennessee
Kahn, Sigmund	Richmond, New York
Kallay Brothers Company	Painesville, Ohio
Kelly Brothers Nurseries, Inc.	Dansville, New York
Kingsville Nurseries, Inc.	Kingsville, Maryland
Klyn, Gerard K., Inc.	Mentor, Ohio
Knight & Bostwick, Inc.	Newark, New York
Kohankie, Henry and Son	Painesville, Ohio
Krider Nurseries, Inc.	Middlesbury, Indiana
Kreigers Wholesale Nursery	Bridgman, Michigan
Lackey, W. J. and Sons	Harrison, Tennessee
Lagomarsino, F. and Sons	Sacramento, California
Lakeland Nurseries	Faribault, Minnesota
Leach's Nurseries	Riverton, New Jersey

Leamon, Fred	Ooltewah, Tennessee
Lightfoot, John	Birchwood, Tennessee
Love, C. H.	Smithville, Tennessee
Madison Nurseries	Madison, Tennessee
Maloney Brothers Nursery Company, Inc.	Dansville, New York
Martin, Joseph F., Company	Painesville, Ohio
Mason Kentucky Wonder Nursery Company	Smithville, Tennessee
Maxwell-Bowden, Inc.	Geneva, New York
May, Earl E., Seed Company	Shenandoah, Iowa
McCarver, Johnnie and Sons	McMinnville, Tennessee
McClung Brothers Rose Nursery	Tyler, Texas
McIlhenny, E. A.	Avery Island, Louisiana
McIntyre, Robert, Nursery	Nashville, Tennessee
McKelvey, E. R.	Greenfield, Tennessee
Meehan, Thomas B., Company	Dresher, Pennsylvania
Miller, J. E., Nurseries	Canandaigua, New York
Milstead Nursery Company	McMinnville, Tennessee
Missouri Nurseries	Louisiana, Missouri
Monticello Nursery Company	Monticello, Florida
Moore, William C. & Company	Newark, New York
Morgan, Robert L.	Huntingdon, Tennessee
Morning Star Nursery	Onarga, Illinois
Morning Star Nursery Company	Rives, Tennessee
Mt. Arbor Nurseries	Shenandoah, Iowa
Mount Carmel Rose Nursery	Lindale, Texas
Mountain Creek Nursery	Beersheba Springs, Tennessee
Mulford, Hewett P., Company	Lebanon, Ohio
Murphy's Nursery Company	Smithville, Tennessee
Nagle's Nursery	Benton Harbor, Michigan
Naperville Nurseries, Inc.	Naperville, Illinois
National Nurseries	Biloxi, Mississippi
Natorp, The W. A. Company	Cincinnati, Ohio
Naughton Farms, Inc.	Waxahachie, Texas
New Fruit Nursery Company	Smithville, Tennessee
Nicollet County Nursery	St. Peter, Minnesota
Noleridge Nurseries	McMinnville, Tennessee
Norris Nursery, TVA	Norris, Tennessee
North-Eastern, The, Forestry Company	Cheshire, Connecticut
Odom, P. C.	Smithville, Tennessee
Oliver Flower Farms	Tyler, Texas
Onarga Nursery Company	Onarga, Illinois
Owen, T. G. and Son, Inc.	Columbus, Mississippi
Ozark Plant Farms, Inc.	Springfield, Missouri
Pack, Sam, Nurseries	Smithville, Tennessee
Pack True-To-Name Nursery Company	McMinnville, Tennessee
Paramount Nurseries	West Grove, Pennsylvania
Park Nursery Company	Huntsville, Alabama
Parsley Brothers Nursery Company	Smithville, Tennessee
Patrick Nursery Company	McMinnville, Tennessee
Perry, O. H., Nursery Company	McMinnville, Tennessee
Phillips, S. M., Nursery Company	Smithville, Tennessee
Pine Creek Nursery Company	Smithville, Tennessee
Pinnacle Nursery	Sevierville, Tennessee
Pleasant Valley Nursery Company	Smithville, Tennessee
Ponzer Nursery	Rolla, Missouri
Poplar Avenue Nurseries	Memphis, Tennessee
Portland Nursery Company	Portland, Tennessee

Potter, The H. R., Nursery	Madison, Tennessee
Pound Gulf Nursery	McMinnville, Tennessee
Quaker Hill, Inc.	Newark, New York
Ramsey, Buster	Harrison, Tennessee
Ramsey, Fred	Harrison, Tennessee
Ramsey, J. L.	Harrison, Tennessee
Rainbow Hybridizing Gardens	Placerville, California
Redman's Nursery	Maumee, Ohio
Rhea Floral Company	Greenville, Tennessee
River Side Nursery Company	McMinnville, Tennessee
Rockmont Nursery	Boulder, Colorado
Rocknoll Nursery	Morrow, Ohio
Rosedale's Nurseries, Inc.	Monrovia, California
Rosemont Nurseries	Tyler, Texas
Rynalski, K. F.	Fredonia, New York
Sanders Nursery	McMinnville, Tennessee
Sands, D. E., Nursery Company	Knoxville, Tennessee
Scarff's, W. N., Sons	New Carlisle, Ohio
Schifferli, F. E. and Son, Nurseries	Fredonia, New York
Schmidt's Flowers	Youngstown, Ohio
Scoggins, W. L.	Harrison, Tennessee
Scruggs Nursery	McMinnville, Tennessee
Semmes Nursery	Semmes, Alabama
Shadow Nursery Company	Winchester, Tennessee
Shady Lane Nursery Company	Smithville, Tennessee
Shahan Nurseries	Tullahoma, Tennessee
Shenandoah Nurseries	Shenandoah, Iowa
Shumway, R. H., Seedsman	Rockford, Illinois
Siebenthaler Company	Dayton, Ohio
Sisk, J. C., Nursery Company	Winchester, Tennessee
Slatton Nursery Company	McMinnville, Tennessee
Smith Brothers Nursery Company	Concord, Georgia
Smith Brothers Nursery Company	Rock Island, Tennessee
Smith Brothers	Ooltewah, Tennessee
Smith, Sam H.	Ooltewah, Tennessee
Smith, W. T., Corporation	Geneva, New York
South Side Nursery & Orchard Company	Smithville, Tennessee
Southern Nursery & Landscape Company	Winchester, Tennessee
Southern States Nurseries	Macclenny, Florida
Southland Gardens, Inc.	Mobile, Alabama
Southland Rose Nursery	Tyler, Texas
Spring City Nurseries	Huntsville, Alabama
Spring Hill Nurseries Company	Tipp City, Ohio
Springdale Farms	Portland, Tennessee
Springtime Bulbs Farms	Lebanon, Ohio
Standard Nursery Company	McMinnville, Tennessee
Stark Brothers Nurseries & Orchards Co.	Louisiana, Missouri
Stern's Nurseries	Geneva, New York
Stevenson and Cox	Perry, Ohio
Stevenson, C. A., Nursery	South Haven, Michigan
Storrs and Harrison Nursery, Inc.	Painesville, Ohio
Stuart, C. W. & Company, Inc.	Newark, New York
Stumpp and Walters Company	New York, New York
Suncrest Evergreen Nurseries	Johnstown, Pennsylvania
Swedberg Nursery	Battle Lake, Minnesota
Sylmar Gardens	San Fernando, California
Tarlton Nurseries	McMinnville, Tennessee

Tate, Clyde, Jr.,	McMinnville, Tennessee
Tennessee Nursery Company	Cleveland, Tennessee
TVA, Muscle Shoals Forestry Nursery	Wilson Dam, Alabama
Tennessee Valley Nursery	Winchester, Tennessee
Texas Nursery Company	Sherman, Texas
Texas Wild Flower Gardens	Houston, Texas
Thompson Nurseries	Spring City, Tennessee
Tibbs, C. V., Nursery Service	Nashville, Tennessee
Totty's	Madison, New Jersey
Ty-Tex Rose Nursery	Tyler, Texas
Upton Nursery Company	Goodrich, Michigan
Ustler Brothers	Apopka, Florida
Vaughn's Seed Store	Western Springs, Illinois
Vaughn Nursery	Smithville, Tennessee
Verhalen Nursery Company	Scottsville, Texas
Vetterle Brothers	Capitola, California
Wabash Home Nurseries	Fowler, Indiana
Walker Nurseries	Memphis, Tennessee
Walnut Grove Nursery Company	McMinnville, Tennessee
Washington Heights Nurseries	Knoxville, Tennessee
Watson's Pecanwood Nurseries	Orangeburg, South Carolina
Wayside Gardens Company	Mentor, Ohio
Waxahachie Nursery Company	Waxahachie, Texas
Weller Nurseries Company, Inc.	Holland, Michigan
West Hill Nurseries	Fredonia, New York
Western Maine Forest Nursery Company	Fryeburg, Maine
Whitten Nursery	Bridgman, Michigan
Wight Nursery	Cairo, Georgia
Wild Brothers Nursery Company	Sarcoxié, Missouri
Williams, Isaac Langley	Exeter, New Hampshire
Willis Nursery Company	Ottawa, Kansas
Wilson, C. E., Nursery	Jacksonville, Texas
Wilson County Nursery Company	Martha, Tennessee
Winter Garden Ornamental Nursery, Inc.	Winter Garden, Florida
Winter Greenhouses	Perry, Ohio
Wood-Howell Nurseries, Inc.	Bristol, Virginia
Yoder Brothers	Barberton, Ohio
Young Brothers Nursery Company	Smithville, Tennessee

NURSERY AGENTS REPRESENTING NON-RESIDENT NURSERIES

Allen, Mrs. Alonzo	Smithville, Tennessee
Angle, R. B.	New Albany, Indiana
Chard, Howard S.	Columbus, Ohio
Christian, C. E.	Madison, Tennessee
Christian, Louis R.	Madison, Tennessee
Christian, W. M.	McMinnville, Tennessee
Cummings, A. A.	Evansville, Indiana
Davis, James C.	Rose Hill, Virginia
Drake, D. L.	McMinnville, Tennessee
Ellinger, Henry F.	Sharon Hill, Pennsylvania
Fleming, J. H.	Virgie, Kentucky
Fuston, Floyd	McMinnville, Tennessee

Fuston, O. D.	McMinnville, Tennessee
Fuston, S. D.	Murfreesboro, Tennessee
Hale, William L.	Evansville, Indiana
Harrison, Aldon S.	Louisville, Ky.
Hennessee, G. C.	McMinnville, Tennessee
Jones, C. G.	McMinnville, Tennessee
Keasler, James M.	Poplar Bluff, Missouri
McKnight, O. P.	Murfreesboro, Tennessee
Milligan, Lannus	Gassaway, Tennessee
Potter, Kelly B.	Madison, Tennessee
Ridgway, J. B.	Cincinnati, Ohio
Ridgway, William P.	Cincinnati, Ohio
Sarver, B. J.	Wurtland, Kentucky
Sanders, F. C.	Central City, Kentucky
Smith, Albert N.	Evansville, Indiana
Smith, G. R.	Smithville, Tennessee
Spencer, C. V.	Dowelltown, Tennessee
Spencer, R. E.	Liberty, Tennessee
Vinson, Alton F.	McMinnville, Tennessee

SUMMARY OF NURSERY INSPECTION

Inspections of growing stock	89
Inspections of fruit stock only	8
Inspections of perennials, bulbs, etc.	8
Inspections of sweet potato plants	3
Inspections of greenhouses	4
Inspections of strawberry plants	7
Acres of all growing stock	948.5
Acres of fruit stock only	5
Square feet of sweet potato plant beds	5,800
Kentucky growers certificates issued	83
Non-resident nurserymen's licenses issued	298
Nursery dealer's permits issued	99
Non-resident nursery agent's permits issued	36
Miles traveled, July 1, 1946 to June 30, 1947	17,896
Number of counties visited	120