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**Connecticut Agricultural Experiment Station**  
**New Haven**

**REGULATIONS CONCERNING**  
**TRANSPORTATION OF NURSERY STOCK**  
**IN THE**  
**UNITED STATES AND CANADA**

*Compiled by*

**W. E. BRITTON, State Entomologist**

At the present time nearly every state in the Union has laws or regulations in regard to the inspection, certification and transportation of nursery stock. These all have one object in view, namely, the control of plant pests. But conditions are not uniform throughout the United States, and each state has established such requirements as seem to give it the best protection, with the result that there are many different regulations.

This situation assumes a serious aspect to the nurserymen who may wish to fill orders received from 18 or 20 or more different states. In order to tabulate and bring together these varying regulations in convenient form for the use of Connecticut nurserymen, this bulletin has been prepared. It should be understood that it presents only a brief digest in each case, and if any points are not clear, the nurseryman should write to the officer in charge of inspection in that state for more information.

In addition to the various State laws and regulations, there are several Federal quarantines regulating the shipment of nursery stock. A digest of these has been included in this bulletin, together with the regulations of the District of Columbia and of the Dominion of Canada.

**FEDERAL QUARANTINES**

The following Federal quarantines concern the shipment of nursery stock:

**White pine blister rust.** Quarantine No. 63 regulates the interstate movement throughout the United States of five-leaf pines and currant and gooseberry plants. A general revision of this quarantine is now reported to be pending and shippers should secure a copy of the revised regulations before making shipment. The following comments relate to the regulations which have been in effect since June 5, 1930, so far as they apply to shipments from the New England States and New York. Shippers in other states should consult the quarantine for full information as to restrictions applying to such states.

Five-leaf pines may not be moved interstate from the area composed of the New England States and New York except that movement to the states of New Jersey, Pennsylvania, Wisconsin, Michigan and Minnesota may be authorized of pines grown from seed under Federal permit in accordance with certain specified conditions as to Ribes-free environs and freedom from white pine blister rust. Such shipments must be accompanied by Federal permit and comply also with Regulation 2 (a).

Five-leaf pines may be shipped from one state to another within the area composed of the New England States and New York on compliance with Regulation 2 (a) requiring that each container is plainly marked to show the names and addresses of the consignor and of the consignee, and has attached to the outside thereof a valid state nursery inspection certificate of the state from which the shipment is made. Shipments may not be made into any state having a legally established control area unless a control area permit shall have been issued therefor by an inspector designated to act for the Bureau of Plant Quarantine, in such state, and each container of such pines shall bear such permit affixed on the outside thereof. With the exception of Vermont, all the New England States, New York, Michigan and Idaho, have established control areas. Applications for permit should be made to the state officials whose names appear on later pages at the close of the abstract of regulations of the state concerned.

All currant and gooseberry plants other than cultivated red and white and mountain currants and cultivated gooseberry plants are prohibited movement out of Connecticut or any other state designated as infected with white pine blister rust. Cultivated red and white and mountain currants and cultivated gooseberry plants may be shipped out of the infected states on compliance with Regulation 4 requiring—

(1) That the container is plainly marked to show the names and addresses of the consignor and of the consignee and has attached to the outside a valid state nursery inspection certificate of the state from which the shipment is made.

(2) That each such shipment moved interstate into any state having a legally established blister rust control area shall bear on the outside of the

container a control area permit (Form 415) issued by an inspector designated to act for the Bureau of Plant Quarantine, in such state. (For list of such states see previous paragraph.)

(3) That the plants may be shipped only during the period from September 20 to May 15.

(4) "That if shipped in the fall, the said plants are defoliated, (i.e., without leaves); and, if shipped in the spring, they are free from leaves of the previous season's growth: *Provided*, that if shipped in the spring after April 15, the said plants shall be completely dormant.

(5) "That, before shipment they have been completely immersed (except the roots) in a solution consisting of one part of concentrated lime-sulfur solution testing not less than 32° Baume to eight parts of water by volume, the dilute solution to test not less than 4.5° Baume. Such lime-sulfur dip shall be plainly visible on said plants and be easily detectable by odor, the judgment of the inspector to be final as to adequacy of the dip and as to the condition of the plants as to dormancy and defoliation.

(6) "That the container shall be plainly marked to show that currant and gooseberry plants are contained therein."

**Narcissus bulbs.** Quarantine No. 62 provides that all varieties of narcissus bulbs may be shipped interstate only after inspection (and treatment if found infested) and certification in the state where grown. Each crate, box, or other container must bear a Federal shipping certificate authorizing interstate movement and such certificate shall remain and continue as a condition of any reshipment of such bulbs in original containers. "Certified narcissus bulbs taken from crates or other original containers for reshipment interstate in smaller lots shall have securely attached to each container a tag or label signed by the shipper thereof reading as follows: 'The undersigned certifies that the narcissus bulbs contained herein were taken from a shipment of narcissus bulbs certified by the Bureau of Plant Quarantine, under Notice of Quarantine No. 62.'"

**Black stem rust of grains.** Quarantine No. 38, as revised effective August 1, 1931, prohibits the movement of any plants (or parts of plants capable of propagation) of the genus *Berberis* (barberry) or of the genera *Mahonia* or *Mahoberberis* (*Mahonias*, hollygrapes, holly barberries, or Oregon grapes) into any of the protected states, unless a permit shall have been issued therefor by the United States Department of Agriculture, except that no restrictions are placed on the shipment of Japanese barberry (*Berberis thunbergii*) or any of its horticultural varieties. The protected states are: Colorado, Illinois, Indiana, Iowa, Michigan, Minnesota, Montana, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin and Wyoming.

Permits are issued to nurseries which grow only those species of *Berberis* and *Mahonia* which are immune or resistant to black stem rust infection.

**European corn borer.**<sup>1</sup> Quarantine No. 43 (6th revision) prohibits, except as provided in the rules and regulations supplemental thereto, the interstate movement of host plants of the borer (including cut flowers or entire plants of chrysanthemum, aster, dahlia, or gladiolus, in addition to corn and certain vegetables) from the two-generation area which includes the entire States of Connecticut, Massachusetts, New Hampshire, Rhode Island and Vermont, and parts of the States of Maine, New Jersey and New York.

**Gipsy moth and brown-tail moth.** Quarantine No. 45 regulates the interstate shipment of all nursery stock, forest products, Christmas trees and Christmas greens and greenery, such as holly and laurel, stone and quarry products from the infested area in the New England States, and from the generally infested to the lightly infested areas within those states. Nursery stock must be inspected and certified by Federal inspectors.

**Japanese beetle.** Quarantine No. 48 (revised) regulates the interstate movement of all nursery stock and other materials including soil from the regulated areas to or through outside points. The regulated areas include the entire States of Connecticut, Delaware, New Jersey and Rhode Island, the District of Columbia, and parts of the States of Maryland, Massachusetts, New York, Pennsylvania, and Virginia.

**Satin moth.** Quarantine No. 53, as revised, prohibits the interstate shipment from the infested areas in Maine, Massachusetts, New Hampshire, Rhode Island, Vermont, Connecticut and Washington to outside points, of all species and varieties of willow and poplar trees or parts thereof capable of propagation. Federal permits may, however, be issued for the interstate movement of poplar and willow trees from the regulated areas when such trees originate outside of the regulated area and while within that area are kept entirely removed from other poplar and willow trees, are segregated so as to be easily identified, and are so placed that in the judgment of the inspector no infestation could be transmitted. Such permits are issued only for the period from October 1 to April 30.

**Woodgate rust.** Quarantine No. 65 prohibits the interstate movement from the regulated area in the State of New York of trees, branches, limbs, or twigs of Scotch pine, Canary Island pine, slash pine, Japanese red pine, Corsican pine, stone pine, western yellow pine, Monterey pine, loblolly pine, or Jersey pine, or of any

<sup>1</sup>After this manuscript was sent to the printer, Federal Quarantine No. 43 was revoked on account of insufficient appropriation. Doubtless several State quarantines will soon be established.

variety thereof, or of any species or variety of hard pine hereafter found to be susceptible to the Woodgate rust.

For further information regarding Federal quarantines and regulations address: BUREAU OF PLANT QUARANTINE, U. S. Department of Agriculture, Washington, D. C.

#### DISTRICT OF COLUMBIA

Each package of nursery stock (all woody plants including such greenhouse-grown plants as palms and roses) entering the District of Columbia must bear a valid certificate of inspection, and must be marked with the nature of the contents and with the name and address of both the consignor and consignee. Herbaceous perennial plants, bulbs and roots are required to be marked with the name and address of the consignor and the consignee and with the nature of the contents, but certification in advance is not required. There are no restrictions on the shipment into the District of Columbia of annual plants, cut flowers, evergreen branches or trees without roots and other portions of plants without roots and free from soil and not intended for propagation, except that compliance with any special plant quarantines or other restrictive orders which may be applicable to such plants is required.

BUREAU OF PLANT QUARANTINE, Washington, D. C.

#### DOMINION OF CANADA

Nursery stock and all plants for ornamental purposes, propagation or cropping, from the United States, can enter Canada only after permits (and official labels, if to be sent by mail) have been procured from the Secretary, Destructive Insect and Pest Act Advisory Board, Ottawa, Canada. Applications must specify quantity, kind, value, origin and destination of stock, name and address of consignor, consignee, and whether to be shipped by mail or otherwise. The importer will furnish the permit number to the shipper, and this number must be on every container, together with certificate of inspection issued at time of packing, original to accompany way-bill with copy on containers, and signed by an authorized official of the state or country where the stock originated, and the name and address of both consignor and consignee, and a declaration of kind and quantity of the stock. The following are designated as ports of importation:

Halifax, N. S.  
Saint John, N. B.  
Montreal, Que.  
Ottawa, Ont.  
Niagara Falls, Ont.

Windsor, Ont.  
Winnipeg, Man.  
Estevan, Sask.  
Vancouver, B. C.

Mail shipments may enter the ports named above and also Toronto, Ont.

Quarantines prohibit the entrance of conifers from New England; all five-leaf pines; all chestnut (*Castanea dentata*), and chinquapin (*Castanea pumila*), including hybrids and horticultural varieties; all currants and gooseberries, except commercial varieties of gooseberries, red and white currants cultivated for their edible fruits only; European buckthorn and all varieties of rust barberry (*Berberis vulgaris*); all varieties of *Corylus* into British Columbia from the states of Montana, Wyoming, Colorado, New Mexico, and all other states eastward; all peach nursery stock into British Columbia from Wisconsin, Illinois, Missouri, Arkansas, Texas, and all other states eastward to the Atlantic Ocean; all gladiolus corms and other parts of the plant into the province of British Columbia from all states.

L. S. McLAINE, Secretary, Destructive Insect and Pest Act Advisory Board, Department of Agriculture, Ottawa, Canada.

**POSTAL REGULATIONS REGARDING NURSERY STOCK SHIPPED BY PARCEL POST**

The United States Postal Laws and Regulations, Section 467, paragraph 2, governing the mailing of plants and plant products, reads as follows:

"Nursery stock, including all field-grown florists' stock, trees, shrubs, vines, cuttings, grafts, scions, buds, fruit pits and other seeds of fruit and ornamental trees or shrubs, and other plants and plant products for propagation, except field, vegetable and flower seeds, bedding plants and other herbaceous plants, bulbs and roots, may be admitted to the mails only when accompanied with a certificate from a State or Government inspector to the effect that the nursery or premises from which such nursery stock is shipped has been inspected within a year and found free from injurious insects, and plant diseases, and the parcel containing such nursery stock is plainly marked to show the nature of the contents and the name and address of the sender."

**STATE REGULATIONS**

**Filing of Certificates in Other States**

In order to ship nursery stock into the following states, it is necessary to file duplicate inspection certificates:

Alabama	Indiana	Minnesota
Arkansas	Iowa	Mississippi
Connecticut	Kentucky	Missouri
Florida	Louisiana	Nebraska
Georgia	Maryland	New Mexico
Idaho	Massachusetts	New York
Illinois	Michigan	North Carolina

North Dakota  
Ohio  
Oklahoma  
Pennsylvania

South Carolina  
South Dakota  
Tennessee  
Texas

Utah  
Virginia  
Wisconsin  
Wyoming

**Filing of Bonds**

Bonds are required in the following states:

Arkansas	\$1,000.00	Montana	\$1,000.00
Georgia	1,000.00	Oklahoma	1,000.00
Idaho	5,000.00	Utah	500.00

Tennessee requires a bond of \$5,000 where trees are planted by outside nurserymen under contract to prune and spray for a period of years.

**Payment of Fees**

The payment of fees is required for registration in certain states, as follows:

State	Registration fee	Agent's fee	State	Registration fee	Agent's fee
Alabama	\$10.00	\$1.00	New Mexico	\$5.00	
	(Dealers)—10.00		Ohio	5.00	\$1.00
Arkansas	5.00	1.00	Oklahoma	5.00	
Georgia	5.00	1.00	Oregon	15.00	1.00
Idaho	10.00	1.00	South Dakota	10.00	1.00
Indiana	1.00	1.00	Texas	5.00	
Kentucky	5.00	5.00	Virginia	10.00	1.00
Maine	5.00		Washington	5.00	1.00
Michigan	5.00	1.00	(Dealers)—15.00		
Missouri	5.00		West Virginia	20.00	
Montana	25.00 <sup>1</sup>		Wyoming	15.00	
Nebraska		1.00			

**Fumigation**

All deciduous nursery stock subject to the attack of San José scale must be fumigated with hydrocyanic acid gas and labeled with a certificate or affidavit stating that this has been done, before it will be allowed to enter the following states:

Florida <sup>2</sup>	South Carolina
Maryland <sup>3</sup>	Tennessee

<sup>1</sup>Covering all Montana agents. Agents for unlicensed nurseries must pay annual fee of \$10 and file bond of \$1,000. Inspection fees, \$10 per car lot, smaller lots in proportion. Unlicensed nurseries, 10 per cent of invoice price, with minimum of 50 cents per package.

<sup>2</sup>Fumigate all host plants of San José scale with hydrocyanic acid gas, at the standard dosage, or thoroughly scrub in a solution of fish oil soap at a dilution of one pound of soap to three gallons of water immediately before shipment into Florida. Such stock entering Michigan must bear certificate of fumigation.

<sup>3</sup>Applies to blocks of stock infested with San José scale.

### State Tags

State tags are required and will be furnished at the shippers' expense, by the following states:

Alabama	Mississippi	Texas <sup>1</sup>
Arkansas	New Mexico	Virginia
Florida	North Carolina	West Virginia
Georgia	South Carolina	Wisconsin
Louisiana		Wyoming

### Special Inspection and Certification of Raspberry Plants

In an attempt to control mosaic and allied diseases of raspberry plants, certain states require two summer inspections: One in June, and the other a month later, and after all mosaic plants discovered at the first inspection have been removed. If the plants are then free from mosaic diseases, a certificate to that effect may be granted. The following states require this special inspection and certification for shipping raspberry plants:

Kansas	Minnesota	Vermont
Michigan	New York	Wisconsin
	North Dakota	

### Requirements of Various States

**Alabama.** Nurserymen in other states wishing to ship stock into Alabama must obtain an Alabama license by filing a signed copy of inspection certificate, with fee of \$10. Each package of nursery stock entering the state must bear an Alabama tag, which is furnished at cost. Dealers must register, file list of all nurseries from which they purchase stock, pay fee of \$10 and obtain a dealer's certificate. An agent's certificate (cost \$1.00) must be obtained through the principal for each agent selling nursery stock in Alabama. Nursery stock infested with San José scale, new peach scale, woolly aphis, brown-tail moth, gipsy moth, crown gall, black knot, citrus canker, peach yellows, pear blight, apple blotch, root nematode, peach borer, grape phylloxera or nut grass, must not be sold in Alabama.

B. P. LIVINGSTON, Chief, Division of Plant Industry, Montgomery, Ala.

**Arizona.** All nursery stock and plant products entering Arizona through the United States mails or transported in any

<sup>1</sup>Texas requires tags showing an exact copy of the Texas permit but the shipper must have them printed from the original certificate.

manner shall be prominently labeled, showing (a) name and address of consignor; (b) name and address of consignee; (c) certificate of inspection; (d) locality where grown, and (e) contents of shipment. Common carriers shall not deliver to consignee any shipment of nursery stock or plant products until inspected by the State Entomologist or his agent and a certificate of release issued in each case to the common carrier and to the consignee. Postmasters are required to forward all parcels of nursery stock or plant products to the nearest Post Office Inspection Station, and cannot forward from these stations to point of destination any parcel of nursery stock or plant products unless accompanied by an inspected plant shipment tag.

Quarantines prohibit the entrance of: Peach, nectarine or apricot trees or cuttings, grafts, scions, buds or pits, or trees budded or grafted upon peach stock from Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Delaware, Maryland, Virginia, Ohio, Indiana, Michigan, Illinois, West Virginia, Tennessee, North Carolina, Arkansas, Nevada, Florida, Mississippi, Kentucky, and Ontario, Can., and any other section in which peach yellows or rosette are known to exist; peach, nectarine, almond, apricot, plum, cherry, chokecherry, quince, pear, and apple trees or plants or parts thereof including the fresh fruits, and all barrels, boxes, baskets or other containers that have been used to hold the same from the states of Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Indiana, Louisiana, Maryland, Mississippi, North Carolina, New Jersey, New York, Ohio, Pennsylvania, South Carolina, Tennessee, Texas, Virginia, West Virginia, and the District of Columbia on account of the Oriental fruit moth; pecan, hickory and Japanese walnut trees, cuttings, grafts, scions and buds from all outside sources, with the exception of California, on account of the pecan nut insect pests.

D. C. GEORGE, State Entomologist, Box 2006, Phoenix, Ariz.

**Arkansas.** In order to ship nursery stock into Arkansas, it is necessary (1) to file a nursery inspection certificate and pay a fee of \$1.00, and (2) every shipment into the state must bear a copy of the permit purchased of the chief inspector. (Price two cents each.)

Out-of-state nurserymen having agents or representatives soliciting orders, or doing other nursery business in Arkansas, must (1) file a bond of \$1,000, (2) pay \$5.00 for a license to do business in the state, and (3) pay \$1.00 for a license for each agent in the state.

Quarantines prohibit entrance of chestnut trees from Iowa, Nebraska, and all states east of the Mississippi River.

P. H. MILLAR, Chief Inspector, Little Rock, Ark.

**California.** All shipments of nursery stock, plants, seeds, and similar material made into the State of California must be marked in a conspicuous manner and place with the name and address of the shipper, the name and address of the consignee, and a statement of the contents of each package; also the name of the country, state, or territory where the contents were grown.

Of several state quarantines, the following are of interest to shippers to California:

Quarantine Order No. 1 (new series) prohibits the entry into California of citrus fruits, all varieties and species of citrus plants and parts thereof, including buds and scions.

Quarantine Order No. 2 (new series) prohibits the entry into California of all chestnut and chinquapin trees, plants, grafts, cuttings, or scions thereof from all states and districts east of and including the States of Montana, Wyoming, Colorado, and New Mexico, on account of chestnut bark disease.

Quarantine Order No. 3 (new series) prohibits the entry into California of all varieties and species, including the flowering forms of peach, nectarine, almond, apricot, plum, cherry, choke-cherry, quince, pear, and apple trees and plants, and fresh fruits thereof, from the States of New York, Connecticut, New Jersey, Ohio, Pennsylvania, Maryland, Delaware, Kentucky, West Virginia, Virginia, Tennessee, North Carolina, South Carolina, Florida, Georgia, Alabama, Mississippi, Louisiana, Arkansas, Texas, Indiana, Illinois and the District of Columbia; also States of Massachusetts, Michigan, Rhode Island, and Province of Ontario, Canada, on account of the Oriental fruit moth.

Quarantine Order No. 4 (new series) prohibits the entry into California of all trees, plants, grafts, cuttings, or scions of all species and varieties of the cultivated filbert or hazelnut and American wild hazel (*Corylus americana*) from all states and districts east of and including the States of Montana, Wyoming, Colorado, and New Mexico, on account of Eastern filbert blight.

Quarantine Order No. 12 (new series) prohibits the entry into California of all varieties and species of hickory, pecan, and walnut trees (*Hicoria* sp. and *Juglans* sp.) and parts thereof, including grafts, cuttings or scions from all states east of and including the States of Montana, Wyoming, Colorado, and New Mexico, on account of the pecan leaf case-bearer and the pecan nut case-bearer.<sup>1</sup>

Quarantine Order No. 14 (new series) prohibits the entry into California of all hop sets, hop roots, and hop cuttings from all states and districts in the United States.

Quarantine Circular No. 1 (new series) prohibits the entry into California of peach, nectarine, or apricot trees or cuttings, grafts,

<sup>1</sup>Budworm or scions of the above material admissible into California from the area under quarantine providing importer first secures a permit from the California Director of Agriculture.

scions, buds, or pits of such trees; or any trees budded or grafted upon peach stock or roots that have been in a district where the disease known as contagious peach rosette is known to exist. The states known to be infected are as follows: Massachusetts, Connecticut, Rhode Island, New York, New Jersey, Delaware, Maryland, Pennsylvania, West Virginia, Virginia, North Carolina, Tennessee, Kentucky, Mississippi, Ohio, Michigan, Indiana, Arkansas, Florida, South Carolina, Georgia, Alabama, Oklahoma, District of Columbia, and the Province of Ontario in Canada.

Quarantine Circular No. 6 (new series) provides that grapevines or cuttings will be admitted if free from *Phylloxera*, subject to hot water treatment upon arrival.

A. C. FLEURY, Chief Quarantine Officer, Sacramento, Cal.

**Colorado.** Each package of nursery stock entering the state must bear a certificate of inspection signed by a duly authorized inspector in the state from which it was shipped. On arrival, shipments are turned over to the County Inspector, who, in turn, if they pass inspection, releases them to the consignee.

Quarantines prohibit the entrance of the common barberry.

GEORGE M. LIST, State Entomologist, Fort Collins, Colo.

**Connecticut.** Nurseries are inspected annually and nurserymen and dealers must register; nurserymen receive registration and inspection certificates, and dealers receive permits. Out-of-state nurserymen must make application and file signed copies of their valid inspection certificates and receive permits before shipping stock into the state. All stock entering the state must be accompanied by both certificate and permit, and all stock transported within the state must be accompanied by either a certificate or by a permit, and transportation companies are subject to prosecution for accepting shipments without valid certificates or permits. Nursery stock imported from foreign countries must be held unopened until inspector arrives. Inspectors have authority to inspect any stock at destination.

Quarantines regulate the shipment of all nursery stock and forest products, on account of the gipsy moth, satin moth, Japanese beetle, and European corn borer.

W. E. BRITTON, State Entomologist, New Haven, Conn.

**Delaware.** Each shipment of nursery stock entering the state must be accompanied by a copy of the nursery inspection certificate, and all stock must conform to the Federal rules and regulations.

RALPH C. WILSON, Secretary, State Board of Agriculture, Dover, Del.

**Florida.** Each nurseryman shall (1) file with the Nursery Inspector, Gainesville, Fla., a copy of his certificate of inspection, personally signed by the proper official of his state, and make application for permit tags on a form supplied by the Nursery Inspector; (2) secure Florida permit tags (price list furnished); (3) attach one, and only one, Florida permit tag to each package, box or bundle of woody perennials, including palms,<sup>1</sup> shipped into Florida. In club orders, one permit tag should be attached to each individual order, and one permit tag attached to the package containing the individual orders; (4) each permit tag is serially numbered. An invoice showing the name and address of consignor, name and address of consignee, kind and amount of nursery stock in the shipment and number of the permit tag attached to the shipment should be mailed the Nursery Inspector, Gainesville, on the day the shipment is made. An invoice is required for each individual order in a club order and also for the package containing the individual orders; (5) return all spoiled or mutilated permit tags to the Nursery Inspector for cancellation; (6) return all unused permit tags when the same become void; (7) fumigate all host plants of San José scale with hydrocyanic acid gas, at the standard dosage, or thoroughly scrub in a solution of fish oil soap at a dilution of one pound of soap to three gallons of water, immediately before shipment into Florida. (8) Plants showing root knot, hairy root, crown gall, or any especially injurious insect or disease will not be permitted entry into the State of Florida. (9) All citrus trees and parts thereof are prohibited entry into the State of Florida from all other states and countries.

NURSERY INSPECTOR, State Plant Board, Gainesville, Fla.

**Georgia.** Each nurseryman, dealer, agent, salesman or solicitor selling or offering nursery stock for sale must (1) Secure license. Fee for nurserymen and dealers, \$5.00; agents, \$1.00. Agent's license furnished only upon request of nursery represented. (2) File affidavit agreeing to observe regulations, to cull out visibly affected stock, and to fumigate with hydrocyanic acid gas. (3) Furnish bond of \$1,000 and maintain for three years as guarantee that all stock sold will be true to all selling claims, name, variety, etc. Surety bond required except from incorporated firms. (4) Purchase Georgia certificate tags and attach one, together with tag of state of origin to each package, crate, or bundle shipped. Tags furnished only in multiples of 100; first 100, \$2.00. (5) Return tag invoice stubs showing name and address of consignee and quantity and kind of plants, not later than end of week during which shipment was made.

Nursery stock includes all woody perennials, both open and

<sup>1</sup>Strawberry plants, palms and woody perennials. Soft bodied herbaceous plants are not classed as nursery stock.

house grown, and strawberries. Does not include herbaceous plants, roots thereof, and bulbs. Soft-bodied plant certificates for this latter class of stock, obtainable at 35c a hundred when order accompanied by duplicate certificate, will expedite movement, since all stock not accompanied by Georgia certificate is held for terminal inspection.

Stock from areas infested with Japanese camphor scale prohibited.

Stock from areas under Federal Quarantine admitted only in strict accordance with Federal regulations.

M. S. YEOMANS, State Entomologist, Atlanta, Ga.

**Idaho.** No person, firm or corporation shall import or sell nursery stock by agents within the state without first applying to the Department of Agriculture, filing a bond for \$5,000 and obtaining an annual license by paying a fee of \$10. All shipments into the state must show name of shipper, locality where grown, variety of nursery stock and an official certificate of fumigation from the state where the stock was grown. Imported trees are fumigated before distribution, and all nursery stock shipped into the state must be inspected upon arrival at the expense of the consignee. Each nursery firm doing business in the state must annually pay an additional \$1.00 for each agent. Duplicate certificates should be filed.

State quarantines exclude the entrance of all five-leaf pine, currant, gooseberry, peach, nectarine, prune, almond or other trees worked on peach stock and all pits, cuttings, buds or scions grown in a district where peach yellows or other detrimental diseases exist.

Permits for entry must be secured from the Bureau of Plant Industry and accompany the shipment before any currants or gooseberries can be shipped into the state. The eight northern counties are designated as a blister rust control area from which currants, gooseberries and five-leaf pines are excluded.

W. H. WICKS, Director, Bureau of Plant Industry, Boise, Idaho.

**Illinois.** Outside nurserymen and dealers in nursery stock wishing to ship nursery stock into Illinois or to solicit business in Illinois, are required to send to the Chief Plant Inspector a duplicate copy of their certificate of inspection signed in ink by their state inspector. Those employing agents are required to apply to the Chief Plant Inspector for a permit to employ agents in Illinois and for a permit for each agent as soon as he is employed. Agent's permits are renewable annually after July 1.

All nursery stock entering the state must bear a valid state or Federal certificate of inspection, the names and addresses of the

consignor and the consignee, and a statement of the nature of the stock.

If stock arrives without certificate it must be destroyed or held by the transportation company until released or inspected by the Department of Agriculture and all expenses incurred by such inspection have been paid.

A state quarantine prohibits shipment of all species and varieties of the genus *Castanea* from the New England States, Alabama, Delaware, Georgia, Kentucky, Maryland, New Jersey, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia and West Virginia into Illinois.

Stock shipped into Illinois in violation of a state or a Federal quarantine is destroyed or returned to the consignor or otherwise disposed of at the discretion of the department.

P. A. GLENN, Chief Plant Inspector, Division of Plant Industry, Urbana, Ill.

**Indiana.** Nursery stock entering or shipped within the state must bear an official inspection certificate and give the names of both the consignor and the consignee. All out-of-state nurseries must file with the State Entomologist a copy of their valid inspection certificate, pay \$1.00, and obtain a license good for one year from date of issue, before shipping stock into the state. Each dealer and agent selling or soliciting sales of nursery stock in Indiana must pay \$1.00, and obtain a license from the State Entomologist.

FRANK N. WALLACE, State Entomologist, Department of Conservation, Indianapolis, Ind.

**Iowa.** Copy of inspection certificate must be filed with and approved by the State Entomologist, and must accompany each shipment of nursery stock into the state.

Quarantine against the European corn borer prohibits all the usual host plants entering the state from the infested areas in Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, Pennsylvania, Ohio, and Michigan.

CARL J. DRAKE, State Entomologist, Ames, Iowa.

**Kansas.** Nurseries are inspected annually and all certificates and dealers' permits expire on June 1 following date of issue. Nursery stock from other states must be accompanied by a recognized certificate of inspection, and may be inspected in transit or at destination; if found infested, stock may be returned to consignor at his expense, treated or otherwise disposed of, as the inspector may direct.

Nurserymen both within or outside the state who sell nursery stock at retail through agents in Kansas shall file a list of such

agents with addresses; said agents shall carry with them at all times, credentials of appointment from the nurseries which they represent and copies of inspection certificates issued to said nurseries.

All raspberry plants entering the state must be certified as being free from all diseases of the virus type, except so-called "mild mosaic" of black and purple raspberries, after two inspections the preceding growing season, with an interval of 30 days between inspections. Duplicate certificates of other states must be filed.

CHARLES A. SCOTT, Secretary, Entomological Commission, Topeka, Kans.

**Kentucky.** Kentucky nurseries are inspected annually and certificates are issued when stock is found free from dangerous pests. All nurserymen, resident or non-resident, must file annually, credentials at this office and if in good standing receive a permit on payment of a fee of \$5.00.

Agents and dealers must file credentials annually, including names of "nurseries, nurserymen, or persons represented," and on payment of a fee of \$5.00 are issued a permit. Agents while soliciting orders must carry their permits to show prospective buyers, county officials, or agents of the State Entomologist, on demand. Quarantines are provided for.

W. A. PRICE, State Entomologist, Lexington, Ky.

**Louisiana.** Before shipping nursery stock into Louisiana, application must be made to the Entomologist for permit, by filing copy of valid certificate and order for certificate tags, accompanied by money to pay for them (price on application). The Louisiana tag and the inspection certificate of the state where the stock was grown must both accompany each shipment. The invoice stub of each permit tag must be filed with the Entomologist once a week, showing the number and varieties of plants shipped.

W. E. ANDERSON, State Entomologist, Department of Agriculture, Baton Rouge, La.

**Maine.** All individuals or firms selling or soliciting sales of nursery stock that they have not grown shall annually obtain a license from the State Horticulturist by paying a fee of \$5.00. All stock entering the state shall bear on each box or package a valid inspection certificate; such stock may be inspected at destination and if found infested with dangerous pests may be destroyed or returned to the consignor.

Quarantine prohibits entrance of currant or gooseberry plants. Five-leaf pines cannot enter without a permit from the Forest Commissioner.

STANLEY L. PAINTER, State Horticulturist, Augusta, Me.

**Maryland.** Nurseries are inspected twice each year. Nursery stock coming from blocks that show evidence of San José scale must be hand-inspected to eliminate visibly infested stock, and the rest fumigated before shipment. Shipments entering the state must bear certificates of inspection, besides names of consignor and consignee. Duplicate certificate should be filed with the State Entomologist.

Maryland has quarantines designed to protect the state against the Japanese beetle, gipsy moth, white pine blister rust and potato wart. These regulations are similar to the Federal quarantines and are administered in cooperation with the Federal authorities.

ERNEST N. CORY, State Entomologist, College Park, Md.

**Massachusetts.** All growers and agents who sell nursery stock for delivery within the state must have a grower's certificate or an agent's license, and a copy of such certificate or license must accompany each car, box or package of stock shipped or delivered. Agents must apply to Director, Division of Plant Pest Control, Boston, Mass., and file list of nursery firms from which they purchase stock before receiving agent's license. Authority is granted to inspect at destination all stock entering the state, and if found infested it may be destroyed, treated, or returned to the consignor at his expense.

Quarantines prohibit Ribes from entering the state except under permit.

R. H. ALLEN, Director, Division of Plant Pest Control, 136 State House, Boston, Mass.

**Michigan.** All nurseries are inspected annually. Each out-of-state nurseryman who sells in Michigan through personal representatives must file a certified copy of his original certificate, and pay a fee of \$5.00 to obtain a license permitting him to ship stock into the state, and each representative must have an agent's permit, for which there is a fee of \$1.00. Each shipment must bear an exact copy of the inspection certificate issued in the state from which the stock was shipped, names and addresses of both consignor and consignee, and a statement showing the general nature of the contents. Out-of-state nurserymen wishing to sell nursery stock in Michigan through catalogue must file copies of their original certificates of inspection.

The law and quarantine regulations prohibit the entrance of all barberries subject to the attack of black stem rust of grains; all chestnut trees; all trees and plants from areas infested by the Japanese beetle and European corn borer, except in compliance with Federal regulations; all raspberries unless bearing certificates that the plants have been properly inspected for virus diseases, as under Rules and Regulations No. 273. Currants and gooseberries

shipped into Michigan must be accompanied by a control area permit issued by the Commissioner of Agriculture.

E. C. MANDENBURG, In Charge of Orchard and Nursery Inspection, Department of Agriculture, Lansing, Mich.

**Minnesota.** All shipments must be accompanied by a valid certificate of inspection on the outside of each package. A copy of this certificate must be filed with the state inspector before nursery stock is shipped into the state. No filing fee is required. A license is not required for agents or salesmen.

Minnesota Quarantine No. 5 prohibits the entry of alfalfa hay and other hay of all kinds and cereal straw if grown or stored in the State of Utah and certain portions of the states of Idaho, Colorado, Nevada, California, Oregon, and Wyoming, on account of the alfalfa weevil.

Minnesota Quarantine No. 6 requires that all raspberry plants shipped into Minnesota must be accompanied by a valid certificate showing that the plants have been inspected and found apparently free from mosaic and other virus diseases. A special affidavit signed by the shipper may be accepted in lieu of such certificate on each package.

The term "nursery stock" includes all wild and cultivated trees, shrubs, perennial vines, small fruit plants, perennial roots, rhizomes, herbaceous perennials, cuttings, buds, grafts and scions for or capable of propagation. A certificate of inspection is not required for greenhouse or house-grown plants, bedding plants, herbaceous annuals, vegetable plants, bulbs, corms and tubers.

All nursery stock for shipment into Minnesota must comply with the requirements of quarantines promulgated by the Federal Bureau of Plant Quarantine.

A. G. RUGGLES, State Entomologist, University Farm, St. Paul, Minn.

**Mississippi.** Each package of nursery stock shipped into Mississippi must have attached to it a Mississippi permit tag. Also, there must be a statement on each shipment showing the name and address of both consignee and consignor, the general nature and quantity of the contents, and the name of the locality where grown. The permit tags may be obtained at actual cost from the State Plant Board, at State College, Miss., after a satisfactory certificate of inspection issued by the duly authorized state official has been filed. The manager of the nursery must sign and file with the Plant Board an agreement with reference to complying with the Mississippi law in shipping nursery stock.

All plants capable of defoliation must be defoliated. Plants infested with root knot (caused by nematodes), crown gall or show-

ing any insect pest or disease or markings thereof, must not be shipped into Mississippi.

Each agent representing a nursery is required to register with and obtain an agent's certificate from the Plant Board before selling, delivering, or taking orders for nursery stock in Mississippi. Stock shipped to nursery agents for delivery in Mississippi must be packed in individual packages, and each of these accompanied by a Mississippi permit tag.

Each permit tag has an invoice stub with carbonized sheet attached. On using a Mississippi permit tag, the nurseryman must immediately mail to the Plant Board, State College, Miss., the invoice stub for that tag (with carbonized sheet attached and filled in) showing the name and address of the consignee and an itemized list of plants in the shipment. Mutilated, spoiled, and unused permit tags must be returned to the Plant Board. All permit tags remaining on hand at the close of the season must be returned.

A circular explaining the requirements in more detail will be sent on request to:

GEORGE F. ARNOLD, Chief Inspector, State College, Miss.

**Missouri.** Outside nurseries must file necessary papers including certificate and apply for a permit certificate which will be issued on payment of a \$5.00 fee. All agents or salesmen must apply for agent's certificate. Each package of nursery stock entering the state must bear the names of both consignor and consignee, statement of contents, and a certificate showing that the stock therein contained has been inspected where grown by a duly authorized inspector and found to be apparently free from dangerously injurious insect pests and plant diseases. Transportation companies are not permitted to deliver nursery stock unless so labeled.

K. C. SULLIVAN, Plant Commissioner, Jefferson City, Mo.

**Montana.** All nursery stock entering the state must be unpacked and inspected at one of the following designated quarantine stations: Billings, Butte, Miles City, Missoula, Glendive, Great Falls, Hamilton, and Kalispell. All shipments entering the state are subject to inspection with fees as follows: Licensed nurseries, car lots, \$10, smaller lots proportionate with minimum fee of 25 cents per package; unlicensed nurseries, 10 per cent of invoice price shipment with minimum of 50 cents per package. Notice of shipment including list of stock and names of transportation company, consignor and consignee must be sent to the Chief, Division of Horticulture, Missoula, Mont., five days before shipment.

Nurserymen are required to pay an annual fee of \$25 and file a bond of \$1,000 in favor of the State of Montana; this includes

licenses for all Montana agents. Agents for unlicensed nurseries must pay an annual fee of \$10 and file bonds of \$1,000.

Quarantines prohibit the entrance of the common barberry, black currant, five-leaf pine and currant and gooseberry plants.

GEORGE L. KNIGHT, Chief, Division of Horticulture, Missoula, Mont.

**Nebraska.** Non-resident nurserymen, dealers, or other persons wishing to ship nursery stock into Nebraska must file a duplicate certified copy of their original certificate with the State Department of Agriculture. If this certificate is approved by the Department of Agriculture, they will be issued a permit allowing them to ship nursery stock into this state during the period that such original certificate issued by the state in which they reside or are doing business, is in force. No fee is charged for the non-resident dealer's or nurseryman's permit. Each shipment of nursery stock coming into the state must be plainly and legibly marked in a conspicuous place with a statement showing: (a) The name and address of the consignor; (b) the name and address of the consignee; (c) the general nature of the contents; (d) the name of locality where grown; and (e) a certificate of inspection from the proper official of the state, territory, district or country from which it was shipped. All agents selling nursery stock or soliciting orders for nursery stock for any nurseryman or dealer located either within or without the State of Nebraska shall be required to secure and carry an agent's permit. The fee for this permit is \$1.00.

Any prohibited insect pest or plant disease, plant product or other substance or thing, brought into the state in violation of any regulation of the State Department of Agriculture or any Federal quarantine, shall at the expense of the owner be either destroyed, returned to the consignor, or otherwise disposed of as the Department of Agriculture may direct.

D. F. FELTON, Deputy Secretary; L. M. GATES, Inspector, State Department of Agriculture, Lincoln, Neb.

**Nevada.** All nursery stock entering the state must bear on each car, bale, or package a copy of a valid official inspection certificate, and names of consignor and consignee. Transportation companies shall not deliver nursery stock lacking such certificate.

Quarantine prohibits entry of any fruit trees, and fresh fruits and their boxes or containers, from any states infested by the Oriental fruit moth.

GEORGE G. SCHWEIS, Director, Division of Plant Industry, 7 Cladianos Building, Reno, Nev.

**New Hampshire.** All nursery stock entering this state must bear on each container a copy of a valid inspection certificate.

Quarantines prohibit the entrance of currants or gooseberries into any part of the state, except an area in the northernmost part of the state, beginning with the towns of Stratford, Odell, Millsfield and Errol; require permit for importation of any five-leaf pines, and special certificate from state of origin, in accordance with Federal regulations; prohibit entry of plants susceptible to attack by the European corn borer, the gipsy moth, and the brown-tail moth from infested regions into uninfested territory, except with proper certificate; prohibit entry of plants susceptible to attack of the satin moth from infested regions into uninfested territory.

W. C. O'KANE, Deputy Commissioner of Agriculture, Durham, N. H.

**New Jersey.** Shipments into the state must be accompanied by a certificate of inspection of current date, or copy thereof, attached to each car or parcel, together with a statement from the shipper that the stock therein is a part of the stock inspected, and stating whether such stock has been fumigated with hydrocyanic gas. It shall be the duty of all carriers to refuse for transportation within the state all stock not accompanied by a certificate of inspection. All stock coming into the state may be detained for examination, wherever found, by the Chief of the Bureau of Plant Industry, and if found to be infested with any insects or plant diseases, injurious or liable to become so, will be destroyed.

It shall be the duty of every nurseryman, or other person who imports plant material of any kind from without the state, and every transportation company or other carrier for hire that brings plant material from without the state for delivery to any person, persons, firm, or corporation within the state, to notify the Chief of the Bureau of Plant Industry of such shipment prior to, or within 24 hours after, its arrival. Such notice shall state the kind, the quantity of plant material, the name and address of the shipper, the date of shipment, and if from a foreign country, the name of the country or district in which the shipment originated, the port of entry, and the approximate date of arrival at said port. If the Bureau Chief has any reason to suspect the presence of a dangerous pest, he may order the examination of every package of such material, in transit or at the point of delivery, and shall not authorize its acceptance or delivery until he is satisfied that no dangerous pest is present.

HARRY B. WEISS, Chief, Bureau of Plant Industry, State Department of Agriculture, Trenton, N. J.

**New Mexico.** Nurserymen in other states desiring to ship nursery stock into New Mexico must each file a copy of their certificate of inspection signed with pen by the proper official, with a filing fee of \$5.00, and secure a permit-certificate bearing the facsimile signature of the Deputy Inspector, which must accompany each shipment of nursery stock into the state. With each permit-certificate granted, 100 tags will be supplied free of charge. Additional tags may be purchased at the following prices:

50 tags.....	\$1.00	200 tags.....	\$2.00
100 tags.....	1.25	500 tags.....	4.25

The following quarantines affect the shipment of nursery stock: Quarantine No. 7, white pines and Ribes; Quarantine No. 8, nursery stock, farm products, and forage crops.

R. F. CRAWFORD, Plant Quarantine and Regulatory Office, State College, N. M.

**New York.** Nursery stock cannot enter the state or be moved within the state unless a valid certificate is attached issued by the New York State Department of Agriculture and Markets, or by the state in which the shipment originated. Transportation companies and all persons bringing nursery stock into the state from other states, must send notice to the Department of Agriculture and Markets. Blanks will be furnished for such notices. An exact copy of the certificate must be attached to each package sent by mail. Stock received from abroad or from other states unaccompanied by a valid certificate of inspection must not be unpacked or distributed until after inspection or release by the Department of Agriculture and Markets.

Quarantines prohibit the entrance of five-leaf pine trees into the state except when such shipments comply with Federal Quarantine 63; also of Christmas trees and woody greens from New England except from those areas lightly or not infested by gipsy moth (Federal certificates must accompany shipments from the lightly infested area); of raspberry plants unless apparently free from mosaic diseases and are so certified after two inspections and the removal of all diseased plants, as is practiced in New York State. Currants and gooseberries cannot be grown in certain pine-growing areas of the state and permits must be obtained to ship them into the state. Name and address of consignee must be given in application.

B. D. VAN BUREN, Director, Bureau of Plant Industry, Department of Agriculture and Markets, Albany, N. Y.

**North Carolina.** Nursery stock may enter the state only when shipments bear North Carolina official permit tags, which

will be supplied at cost on request, and the filing of a duplicate inspection certificate.

Quarantines prohibit the entrance of five-leaf pines and Ribes except in accordance with Federal regulations.

R. W. LEIBY, Entomologist, State Department of Agriculture, Raleigh, N. C.

**North Dakota.** Shipments of nursery stock into the state must bear a certificate of inspection showing that the stock has been inspected and found free of injurious insects and plant diseases. Copy of said certificate must be filed with the office of the State Entomologist of the North Dakota Experiment Station, State College Station, Fargo, North Dakota. Raspberry plants coming from other states must be inspected and certified as being free from virus and other diseases.

DIRECTOR, North Dakota Experiment Station, State College Station, Fargo, N. D.

**Ohio.** Out-of-state nurserymen must file copies of their inspection certificates and obtain an Ohio certificate permitting them to solicit orders for nursery stock. Each dealer within or without the state shall obtain annually a dealer's certificate, by furnishing an affidavit that he will buy and sell only inspected stock and will maintain with the Secretary of Agriculture a list of all sources from which he obtains nursery stock. Each affidavit shall be accompanied by a fee of \$5.00. All agents soliciting orders for nursery stock shall file annually a statement that he will sell only inspected stock, and pay a fee of \$1.00. He shall carry an agent's certificate and a copy of the certificate held by his principal.

Each shipment entering the state shall be accompanied by a tag or poster giving an exact copy of the valid certificate. Altered certificates are prohibited.

W. W. ELLENWOOD, Chief, Division of Plant Industry, Department of Agriculture, Columbus, Ohio.

**Oklahoma.** Nursery stock entering the state must bear on each package of shipment an inspection certificate. Nurserymen must each file a duplicate copy of their valid inspection certificate, and furnish a surety bond of \$1,000 in favor of the State Board of Agriculture. A permit will be issued on payment of the fee of \$5.00, and a copy of this permit must be attached to all shipments entering the State of Oklahoma.

All dealers within or outside the state must attach to each package of each shipment a copy of the dealer's certificate issued to them by the Board of Agriculture.

R. E. MONTGOMERY, State Nursery Inspector, Oklahoma City, Okla.

**Oregon.** Shipments of nursery stock entering state must be plainly marked, with names and addresses of both consignor and consignee, name of state, territory where grown, and nature of contents. All shipments are inspected. Nurserymen's licenses are required *only* of nurserymen who have agents or an office in said state. The fee is \$15.00 for nurserymen and \$1.00 for each agent.

Quarantines prohibit entrance of all hazel and filbert trees, all chestnut and chinquapin trees or cuttings or scions of said nut trees from Eastern states. All species and varieties, including the flowering forms of peach, almond, nectarine, apricot, plum, cherry, quince, pear, and apple trees or parts thereof from Eastern states. Grape plants admitted under certificate certifying plants grown and shipped from sections free from Phylloxera. Raspberry plants prohibited from Eastern states.

CHARLES A. COLE, Secretary, State Board of Horticulture, Portland, Ore.

**Pennsylvania.** Each nurseryman from outside of the state must file with the Director of the Bureau of Plant Industry a duplicate copy of his valid inspection certificate, signed in person by the state inspection official in charge, and supply a statement giving the exact acreage of nursery stock he is growing, as well as the acreage being grown for him under contract. Upon compliance with these regulations a certificate is issued that must be received before stock is shipped into the state. Dealers are granted certificates on application and receipt of a statement from each that he will buy stock only from nurseries holding valid certificates of inspection. Agents soliciting for the sale of nursery stock in the state must obtain and carry agent's duplicate certificates. All shipments of nursery stock entering the state will be rejected unless accompanied by certificates of inspection.

R. H. BELL, Director, Bureau of Plant Industry, Harrisburg, Pa.

**Rhode Island.** All stock entering the state must bear a valid official certificate of inspection, but is subject to further inspection and may be destroyed or returned to the consignor if found infested. Agents must obtain agent's licenses, on stating where they expect to purchase their stock.

Five-leaf pines and Ribes can be shipped into the state or planted in certain parts of the state only on permission. Planting of black currant and flowering currant is prohibited.

A. E. STENE, State Entomologist, State House, Providence, R. I.

**South Carolina.** Each package of nursery stock entering the state must bear a permit tag of the South Carolina State Crop

Pest Commission, which may be obtained at cost by filing a duplicate certificate of inspection and fumigation.

Quarantines prohibit the entrance of five-leaf pines, currants, gooseberries and all host plants of the European corn borer except when shipped in conformity with Federal regulations. Citrus stock is allowed to enter only by special permit. Fumigation of host plants of San José scale is required.

SOUTH CAROLINA STATE CROP PEST COMMISSION, Clemson College, S. C.

**South Dakota.** Out-of-state dealers may obtain certificates permitting them to solicit and fill orders in the state, by filing with the Secretary of Agriculture a certified copy of their official inspection certificates and by paying a fee of \$10.00 each. All agents shall likewise obtain and carry agent's certificates bearing copies of the certificates held by their principals, and paying fees of \$1.00 each.

Quarantines prohibit the entrance of all five-leaf pines and Ribes; of all poplars and willows from areas infested by the satin moth; all host plants of the European corn borer.

LOYSON G. TROTH, Secretary of Agriculture, Pierre, S. D.;  
R. W. VANCE, Nursery Inspector, Pierre, S. D.

**Tennessee.** Out-of-state nurseries must file duplicate inspection certificates and the following agreement regarding fumigation:

"We, the undersigned, agree to fumigate with hydrocyanic acid gas, according to the required strength, all nursery stock subject to attack from San José scale and other dangerous insect pests. We also agree to attach a fumigation tag to each and every shipment going into the State of Tennessee."

Every shipment must bear a valid inspection certificate and a fumigation tag, and failure to comply with these requirements subjects the stock to confiscation.

Nursery agents and dealers must file sworn statements on official Tennessee blanks, which will be supplied. Each agent operating in Tennessee, and each dealer or jobber, is required to secure a license.

Nurserymen selling trees under contract to prune and spray the same for a period of years are required to take out a bond of \$5,000 before selling trees under such special contract.

State quarantines prohibit the entrance of all varieties of barberry, except *Berberis thunbergii*. Other restrictions apply to the Japanese beetle, the European corn borer, gipsy moth, sweet potato weevil and pink bollworm of cotton. Peach and pecan seedlings are allowed entrance only by special permit for experimental purposes.

G. M. BENTLEY, State Entomologist and Plant Pathologist,  
Knoxville, Tenn.

**Texas.** Nurserymen, florists, and others who desire to make shipments of nursery stock into Texas, should apply to the State Department of Agriculture, Austin, Texas, for a Texas permit. The application should be accompanied by a certified copy of certificate of inspection from the state inspector of the state in which the stock to be shipped is located, together with a registration fee of \$5.00. The fee must be remitted in the form of post office money order, cashier's check, or bank draft. It will also be necessary for the applicant to sign an agreement to comply with the Texas regulations. The proper form for this signature will be sent upon request. Permits are issued annually and expire August 31 of each year. This general certificate does not cover citrus nursery stock. Any individual desiring to make shipments of citrus nursery stock into the state should communicate directly with the Commissioner of Agriculture.

All shipments of nursery or floral stock originating outside of the state must bear shipping tags showing the exact copy of certificate of inspection from the state inspector of the state in which the shipments originate; and in addition thereto must have tags showing the exact copy of the Texas permit. The Department of Agriculture does not furnish the Texas permit tags, and the shipper should have them printed from the original certificate. Common carriers are prohibited by law from releasing shipments of nursery stock that are not tagged in accordance with these regulations.

Nurserymen and florists of all states who ship nursery and floral stock into Texas are requested to file with the Department of Agriculture a copy of invoice or memorandum of each and every shipment of stock made into the State, giving the date, consignor, consignee, and a list of stock shipped. The price need not be given.

Those intending to ship orange and citrus seed of all kinds into Texas must furnish the Texas department with a certified statement from their state plant board that the seed was gathered from citrus-canker-free territory, and also an affidavit that the seeds to be shipped were treated in a corrosive sublimate solution of a strength of one to 1,000.

Agents or dealers operating in Texas for nurserymen and florists outside of the State must procure proper credentials from the nurserymen they represent. The form for this credential approved by the Commissioner of Agriculture is furnished free of charge. Each agent or dealer must be prepared to present such credentials at all times.

Dealers are classed as nurserymen and are required to take out

permits. Greenhouses and greenhouse plants are included for inspection by the Texas laws.

J. M. DEL CURTO, Chief, Horticultural and Quarantine Division, State Department of Agriculture, Austin, Texas.

**Utah.** Each out-of-state nurseryman, before selling or shipping stock into the state, must obtain an annual license from the State Board of Agriculture (no fee), and file with the Board a bond in the sum of \$500 conditioned on compliance with the law and payment of cost of inspection, fumigation, or destruction of stock shipped into or sold within the state by him or his agent. Licenses expire on July 1. The principal must also furnish the Board with the names of all his agents in Utah, and file with the State Agricultural Inspector a certificate of the state in which the stock was grown, showing that the stock from which all orders are filled is apparently free from injurious insects and diseases. Each salesman or agent must be provided with a certificate from his principal giving names of agent or person he represents, number of license held by such person, and date of its expiration. Agents are not required to be licensed by Utah if the principal they represent holds a Utah license.

All shipments coming into the state must bear a copy of an official certificate of inspection, stating that all orders from which this stock is filled is apparently free from injurious insects and diseases.

Each shipment must also be plainly labeled to show the following: (a) Name and address of shipper; (b) name and address of consignee; (c) locality where nursery stock was grown; (d) statement of contents of shipment. Only clean-packed material such as shavings, shingletoe, excelsior, and moss shall be used for packing nursery stock.

In addition to Federal quarantines affecting Utah, the following State quarantines affecting nursery stock are in force:

Oriental fruit moth quarantine prohibits the shipment into Utah of all varieties and species including the flowery forms of peach, nectarine, almond, apricot, plum, cherries, choke cherries, quince, pear and apple trees, and plants and fresh fruits thereof from the States of New York, Connecticut, New Jersey, Pennsylvania, Kentucky, Maryland, Delaware, West Virginia, Virginia, Tennessee, North Carolina, South Carolina, Florida, Georgia, Alabama, Mississippi, Louisiana, Arkansas, Texas, Ohio, Indiana, Illinois, Rhode Island, Michigan, the District of Columbia and the Province of Ontario, Canada, on account of the Oriental fruit moth.

Pecan leaf case-bearer quarantine prohibits the shipment of pecan, Japanese walnuts and hickory trees into Utah from all states excepting California.

Colorado potato beetle quarantine prohibits the shipment of all tomato plants into the state from sections infested with the Colorado potato beetle.

F. E. STEPHENS, Agricultural Inspector, State Board of Agriculture, Salt Lake City, Utah.

**Vermont.** All nursery stock entering the state must bear valid official inspection certificates and the names and post office addresses of both consignor and consignee.

Quarantines restrict the free movement of raspberry plants on account of mosaic, leaf roll and rosette, hosts of the European corn borer, and all uninspected and non-nursery grown trees and forest products on account of the gipsy and brown-tail moths.

M. B. CUMMINGS, State Nursery Inspector, Burlington, Vt.

**Virginia.** Nursery stock shipped into Virginia must have attached to each package an official tag purchased from the State Entomologist. Tag prices forwarded upon request.

Registration is required annually; all registrations expire on August 31. Registration fee \$10.00 for principals; duplicates for each agent, \$1.00. Make checks payable to Treasurer, State of Virginia, and mail to State Entomologist. Duplicate nursery inspection certificate must be filed with application for registration.

Nursery stock under the Virginia regulations includes trees, shrubs and vines, bush fruits, grapevines whether cultivated, native or wild, buds, scions and cuttings from such plants. Strawberry plants are also included as nursery stock and the same is true of narcissus bulbs. Roses and other woody plants that are greenhouse grown, but that are sold for outside planting are considered nursery stock. Greenhouse plants, unless woody and field grown, are not included as nursery stock and inspection certificates are not required. The same is true of perennials and herbaceous plants.

Japanese beetle quarantine in effect, which is similar to Federal Quarantine No. 48.

Sweet potato weevil quarantine: Sweet potato plants or parts thereof, morning glory vines, cuttings, tubers, and slips are prohibited from the following states: Texas, Louisiana, Mississippi, Alabama, Georgia, and Florida, unless each package bears a certificate from proper state official certifying that contents originated in an area that is free from the sweet potato weevil and is itself uninfested by this weevil. A similar requirement regulates the shipment into Virginia of sweet potatoes intended for food and originating in the states enumerated.

G. T. FRENCH, State Entomologist, Department of Agriculture and Immigration, Room 1112 State Office Building, Richmond, Va.

**Washington.** No person, firm or corporation shall sell, solicit sales, or distribute nursery stock except berry plants, without first obtaining a license to do so from the Director of Agriculture. The license fee is \$5.00 for nurserymen who grow all the stock they sell, \$15 for other nurserymen, dealers, brokers and landscape architects, and \$1.00 for agents, salesmen and solicitors. All licenses expire July 1. All nursery stock entering the state shall have contents, names and addresses of consignor and consignee, and name of state, territory, or country where the stock was grown, plainly marked on each car, box, bale or package. The state is divided into eleven horticultural districts with an inspector-at-large in charge of each district. Notice must be sent to one of these inspectors of any shipments arriving without the proper license certificate or labels, and the said inspectors are authorized to inspect such shipments and charge such fees as may be fixed by the Director of Agriculture.

Quarantines prohibit the entrance of five-leaf pines, currants, gooseberries, chestnut, chinquapin, hazel, filbert, and carriers of the European corn borer, peach yellows, and Oriental fruit moth.

GEORGE E. HARTER, Supervisor of Horticulture, Olympia, Wash.

**West Virginia.** All nursery stock entering the state must bear a valid certificate of inspection and a West Virginia permit tag. No nursery stock shall be sold, offered for sale or delivered, without first obtaining from the Commissioner of Agriculture a certificate of registration; annual fee, \$20.

W. E. RUMSEY, State Entomologist, Morgantown, W. Va.

**Wisconsin.** Each out-of-state nurseryman must file a valid certificate of inspection and obtain a state license before shipping stock into the state. Each car, or package, must bear certificate tags. Each agent selling nursery stock in the state must carry an agent's duplicate certificate bearing the same number and date as that of his principal. No fees are charged except for resident nurserymen.

Quarantines prohibit entrance of all five-leaf pines and all barberry bushes, except Japanese barberry, and host plants of European corn borer from infested areas; nursery stock from gipsy moth infested areas except under Federal certificate; cranberry plants; raspberry plants unless certified to a special inspection for virus diseases.

E. L. CHAMBERS, State Entomologist, Madison, Wis.

**Wyoming.** Each out-of-state nurseryman must file a valid certificate of inspection and deposit a fee of \$15 and receive a license valid until the following July 1. Authorized shipping tags

are furnished at cost, and carriers are forbidden to deliver unless each shipment bears such a tag.

Quarantines prohibit entrance of all five-leaf pines, currants and gooseberries.

A. G. STEPHENS, State Department of Agriculture, Cheyenne, Wyo.

#### OFFICERS IN CHARGE OF INSPECTION AND QUARANTINE SERVICE

Alabama	B. P. Livingston, Chief, Division of Plant Industry, Montgomery, Ala.
Arizona	D. C. George, State Entomologist, Phoenix, Ariz.
Arkansas	P. H. Millar, Chief Inspector, Little Rock, Ark.
California	A. C. Fleury, Chief Quarantine Officer, Sacramento, Cal.
Colorado	George M. List, State Entomologist, Fort Collins, Colo.
Connecticut	W. E. Britton, State Entomologist, New Haven, Conn.
Delaware	Ralph C. Wilson, Secretary, State Board of Agriculture, Dover, Del.
Florida	Nursery Inspector, State Plant Board, Gainesville, Fla.
Georgia	M. S. Yeomans, State Entomologist, Atlanta, Ga.
Idaho	W. H. Wicks, Director, Bureau of Plant Industry, Boise, Idaho.
Illinois	P. A. Glenn, Chief Plant Inspector, Division of Plant Industry, Urbana, Ill.
Indiana	Frank N. Wallace, State Entomologist, Indianapolis, Ind.
Iowa	Carl J. Drake, State Entomologist, Ames, Iowa.
Kansas	Charles A. Scott, Secretary, Entomological Commission, Topeka, Kans.
Kentucky	W. A. Price, State Entomologist, Lexington, Ky.
Louisiana	W. E. Anderson, State Entomologist, Baton Rouge, La.
Maine	Stanley L. Painter, State Horticulturist, Augusta, Me.
Maryland	E. N. Cory, State Entomologist, College Park, Md.
Massachusetts	R. H. Allen, Director, Division of Plant Pest Control, State House, Boston, Mass.
Michigan	E. C. Mandenberg, In Charge of Orchard and Nursery Inspection, Department of Agriculture, Lansing, Mich.
Minnesota	A. G. Ruggles, State Entomologist, University Farm, St. Paul, Minn.
Mississippi	George F. Arnold, Chief Inspector, State College, Miss.
Missouri	K. C. Sullivan, Plant Commissioner, Jefferson City, Mo.
Montana	George L. Knight, Chief, Division of Horticulture, Missoula, Mont.
Nebraska	D. F. Felton, Deputy Secretary; L. M. Gates, Inspector, State Department of Agriculture, Lincoln, Nebr.
Nevada	George G. Schweis, Director, Division of Plant Industry, 7 Cladianos Building, Reno, Nev.
New Hampshire	W. C. O'Kane, Deputy Commissioner of Agriculture, Durham, N. H.

- New Jersey ..... Harry B. Weiss, Chief, Bureau of Plant Industry, State Department of Agriculture, Trenton, N. J.
- New Mexico ..... R. F. Crawford, Plant Quarantine and Regulatory Office, State College, N. Mex.
- New York ..... B. D. Van Buren, Director, Bureau of Plant Industry, Department of Agriculture and Markets, Albany, N. Y.
- North Carolina ... R. W. Leiby, Entomologist, State Department of Agriculture, Raleigh, N. C.
- North Dakota .... Director, Experiment Station, Agricultural College, N. D.
- Ohio ..... W. W. Ellenwood, Chief, Division of Plant Industry, Department of Agriculture, Columbus, O.
- Oklahoma ..... R. E. Montgomery, State Nursery Inspector, Oklahoma City, Okla.
- Oregon ..... Charles A. Cole, Secretary, State Board of Horticulture, Portland, Ore.
- Pennsylvania ..... R. H. Bell, Director, Bureau of Plant Industry, Harrisburg, Pa.
- Rhode Island ..... A. E. Stene, State Entomologist, State House, Providence, R. I.
- South Carolina ... South Carolina State Crop Pest Commission, Clemson College, S. C.
- South Dakota .... Loyson G. Troth, Secretary of Agriculture, Pierre, S. D.  
R. W. Vance, Nursery Inspector, Pierre, S. D.
- Tennessee ..... G. M. Bentley, State Entomologist and Plant Pathologist, Knoxville, Tenn.
- Texas ..... J. M. Del Curto, Chief, Horticultural and Quarantine Division, State Department of Agriculture, Austin, Tex.
- Utah ..... F. E. Stephens, State Agricultural Inspector, State Board of Agriculture, Salt Lake City, Utah.
- Vermont ..... M. B. Cummings, State Nursery Inspector, Burlington, Vt.
- Virginia ..... G. T. French, State Entomologist, Richmond, Va.
- Washington ..... George E. Harter, Supervisor of Horticulture, Olympia, Wash.
- West Virginia .... W. E. Rumsey, State Entomologist, Morgantown, W. Va.
- Wisconsin ..... E. L. Chambers, State Entomologist, Madison, Wis.
- Wyoming ..... A. G. Stephens, State Department of Agriculture, Cheyenne, Wyo.
- Federal Quarantines and District of Columbia .... Bureau of Plant Quarantine, U. S. Department of Agriculture, Washington, D. C.
- Dominion of Canada ..... L. S. McLaine, Secretary, Destructive Insect and Pest Act Advisory Board, Department of Agriculture, Ottawa, Can.