

Kentucky Agricultural Experiment Station
UNIVERSITY OF KENTUCKY

**Inspection and Certification of Nurseries in Kentucky
with a Brief Report for the Year Ended June 1, 1935**

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The Kentucky Nursery Inspection Law, enacted at the regular session of the General Assembly in 1926, provides for the quarantine of diseased and infested plants and for the inspection of all nurseries in Kentucky where trees, vines, plants or other nursery stock are grown and offered for sale. The purpose of the law is to prevent the introduction into the State and the distribution from one point to another within the State, of dangerously injurious insect pests and plant diseases. Therefore, it is a law protecting the nursery industry and the home-owners who have invested large sums of money in plants for the beautification of their grounds.

Prior to the passing of this Act, San Jose scale was one of the worst, and therefore, most dreaded insect pests to nurserymen and orchardists. However, with present-day information and experience, this pest is kept well under control. Nevertheless, there are new pests constantly to be combated and others to be kept from entering the State. The Gypsy and Browntail moths which are doing great damage in northeastern United States, the Japanese beetle in states neighboring to Kentucky, and finally the much-talked-of Dutch Elm disease, prevalent in other sections of the United States, may be mentioned as dangers against which Kentucky home-owners will have to guard.

NURSERIES IN KENTUCKY INSPECTED ANNUALLY

In order to control dangerous pests, all nurseries in Kentucky are inspected at least once each year during the growing

season. The Entomologist and Botanist of the Kentucky Agricultural Experiment Station, hereafter designated as the State Entomologist, is authorized to inspect, or have inspected by his deputy, at any time he may elect, all nurseries in Kentucky, and will notify, in writing, the owners of such nurseries of the presence of any dangerous pests on their nursery stock. Where infestation or disease is found, the nurseryman is required by law to take such measures of control as have been found effectual. Such procedures of control must be changed from time to time to conform with the most recent methods of combating pests and diseases.

DEFINITION AND CERTIFICATION

The term "Nursery Stock" includes all fruit trees and vines; shade trees and forest trees, whether such trees are grown in a nursery especially for sale or taken from the forest and offered for sale; roses; evergreens; shrubbery; raspberry plants; strawberry plants; sweetpotato plants; and all other plants which serve as a medium for disseminating injurious insect pests or plant diseases. Persons desiring to sell, ship, or give away any such nursery stock shall obtain a certificate or permit from the State Entomologist. This certificate is issued after the stock has been inspected by an authorized agent and found to be free from insect pests and diseases. An exact copy of the certificate issued must be attached to each plant or bundle of plants delivered to a common carrier for shipment.

Shippers of nursery stock should familiarize themselves with inspection requirements and restrictions of those states into which they send plants. For convenience, a list of the officers in charge of inspection and quarantine service of the various states is given below, as of January 1, 1935:

Alabama	B. P. Livingston, Chief, Division of Plant Industry, Montgomery
Arizona	D. C. George, State Entomologist, Phoenix
Arkansas	P. H. Millar, Chief Nursery Inspector, Little Rock
California	A. C. Fleury, Chief Quarantine Officer, Sacramento
Colorado	George M. List, State Entomologist, Fort Collins

Connecticut	W. E. Britton, State Entomologist, New Haven
Delaware	Ralph C. Wilson, Secretary, State Board of Agriculture, Dover
Florida	J. C. Goodwin, Nursery Inspector, State Plant Board, Gainesville
Georgia	M. S. Yeomans, State Entomologist, Atlanta
Idaho	W. H. Wicks, Director, Bureau of Plant Industry, Boise
Illinois	P. A. Glenn, Chief Plant Inspector, Division of Plant Industry, Urbana
Indiana	Frank N. Wallace, State Entomologist, Indianapolis
Iowa	Carl J. Drake, State Entomologist, Ames
Kansas	Geo. A. Dean, Entomologist, Entomological Commission, Manhattan
Kentucky	W. A. Price, State Entomologist, Lexington
Louisiana	W. E. Anderson, State Entomologist, Baton Rouge
Maine	Stanley L. Painter, State Horticulturist, Augusta
Maryland	E. N. Cory, State Entomologist, College Park
Massachusetts	R. H. Allen, Director, Division of Plant Pest Control, State House, Boston
Michigan	E. C. Mandenberg, Orchard and Nursery Inspection, Department of Agriculture, Lansing
Minnesota	A. G. Ruggles, State Entomologist, University Farm, St. Paul
Mississippi	R. P. Colmer, Chief Inspector, State College
Missouri	J. Carl Dawson, Plant Officer, Jefferson City
Montana	George L. Knight, Chief, Division of Horticulture, Missoula
Nebraska	L. M. Gates, Entomologist, State Department of Agriculture, Lincoln
Nevada	George G. Schweis, Division of Plant Industry, Gladianos Building, Reno
New Hampshire	W. C. O'Kane, Deputy Commissioner of Agriculture, Durham
New Jersey	Harry B. Weiss, Bureau of Plant Industry, State Department of Agriculture, Trenton
New Mexico	R. F. Crawford, Plant Quarantine and Regulatory Office, State College
New York	B. D. Van Buren, Bureau of Plant Industry, Department of Agriculture, Albany
North Carolina	R. W. Leiby, Entomologist, State Department of Agriculture, Raleigh
North Dakota	J. A. Murno, Entomologist, Agriculture College, Fargo
Ohio	W. W. Ellenwood, Chief, Division of Plant Industry, Department of Agriculture, Columbus
Oklahoma	R. E. Montgomery, State Nursery Inspector, Oklahoma City
Oregon	Charles A. Cole, Chief, Division of Plant Industry, Department of Agriculture, Salem
Pennsylvania	R. H. Bell, Director, Bureau of Plant Industry, Harrisburg

Rhode Island	A. E. Stene, State Entomologist, State House, Providence
South Carolina	Franklin Sherman, Entomologist, State Crop Pest Commission, Clemson College
South Dakota	C. A. Russell, Secretary of Agriculture, Pierre
Tennessee	G. M. Bentley, State Entomologist and Plant Pathologist, Knoxville
Texas	J. M. Del Curto, Chief Entomologist, Department of Agriculture, Austin
Utah	Earl Hutchings, State Agricultural Inspector, Department of Agriculture, Salt Lake City
Vermont	M. B. Cummings, State Nursery Inspector, Burlington
Virginia	G. T. French, State Entomologist, Richmond
Washington	J. I. Griner, Supervisor of Horticulture, Olympia
West Virginia	W. E. Rumsey, State Entomologist, Morgantown
Wisconsin	E. L. Chambers, State Entomologist, Madison
Wyoming	C. L. Corkins, State Entomologist, State Department of Agriculture, Powell
Dominion of Canada	L. S. McLaine, Secretary, Destructive Insect and Pest Act, Department of Agriculture, Ottawa

KENTUCKY NURSERYMEN WHO RECEIVED CERTIFICATES OF INSPECTION 1934-1935

Name	Address	Acre- age	Kinds of Nurs- ery Stock
Baldhill Orchard and Nursery V. C. Razor	Flemingsburg, R. 1	2	General
Blankenbaker, S. H.	Jeffersontown	2½	General
Bolin, Mrs. Henry	Clinton	½	Ornamental
Bourbon Nurseries	Paris	36	General
Bradford, J. C.	Vanceburg	3	Strawberry and sweetpotato plants
Peyton Cain Nursery, Peyton Cain	Bybee	1½	General
Carter Nursery, H. V. Pack	Carter	1½	General
Catalpa Gardens, Mrs. Rod- man Hansbrough	Shelbyville	1	Perennials, bulbs, shrubs
John Christman Company, Paris Greenhouse	Paris	½	Ornamentals
Clark, Joe A.	Paynesville	1	Fruits
Clark's Nursery, W. W. Clark	Mt. Sterling	5	General
Clinton Nursery, O. Piper	Clinton	1½	Fruits
Cole, C. G.	Benton, R. 3	3	Strawberry plants
Crestwood Floral Company, J. G. Klein	Crestwood	1	General
Dance, Miss Lilly	Kevil	1½	Strawberry plants
Dawes, George	Benton, R. 6	3	Strawberry and raspberry plants
Deufel Nursery, E. J. Deufel	Walton	8	General
Devon Glad. & Dahlia Gardens John W. Cain	Erlanger	2	Dahlias and gladioli
Dieterich, C. P., & Bro.	Maysville	3	General
Dixie View Nurseries, A. L. Heger, Prop.	Covington, Box 161	50	General
Donaldson Nurseries, J. F. Donaldson	Sparta	50	General
Duntreath Gardens, Harry Lindberg, Mgr.	Lexington	15	General
Eicher, Mrs. P. J.	Shively	1	Evergreens
Fairlawn Floral Farm, Mrs. Edward Fennell	Lexington, 131 12th Street	1	Perennials
Fannelli Nurseries, R. J. Fanelli	Anchorage	1½	Ornamentals
Fike Nurseries, J. W. Fike, Prop.	Hopkinsville	5	General

Name	Address	Acre- age	Kinds of Nurs- ery Stock
Boone Gardner's Nurseries, Boone Gardner	Louisville, R. 7	25	General
Gramse Nursery, R. A. Gramse, Prop.	Paducah, R. 2	3	General
Grant, Dr. Henry Lee	Louisville, 2148 Alton Avenue	1-10	Iris
Green River Home Nursery, W. A. Sandefur	Robards	3½	General
Green, T. W.	Bowling Green, R. 1	½	Ornamentals
Haag Nurseries, R. L. Haag, Prop.	Jeffersontown	25	General
Harper, Dudley	Benton, R. 1	6	Strawberry and raspberry plants
Harrell, W. J.	Kirksey, R. 2		Sweetpotato plants
Harris, R. W.	Kevil, R. 4	3	Strawberry plants
Harris, Temple	Paducah, R. 2	2½	Strawberry plants
Harting, Paul	Kevil, R. 1	5	Strawberry and raspberry plants
Hawkins, Herbert	Paducah, Box 42	8	Strawberry plants
Heitz, Adam	Louisville, 1166 Barrett Avenue	1½	Ornamentals
4-H Club Nurseries, A. C. Herrin	Shopville	¼	Fruits
Herrington's Dahlia Gardens, Mrs. Lee Long	Bowling Green, R. 4	2	Dahlias
Highland Nurseries Company, Joe Buenger	Fort Thomas, S. Ft. Thomas Ave. at Grand Avenue	1	Ornamentals
Highland Place Nursery, Mrs. Joseph M. Garrett	Versailles	8	General
Hillenmeyer Nurseries	Lexington	250	General
House, A. H.	Kevil, R. 1	2	Strawberry plants
Humphreys' Landscape Service, A. G. Humphreys	Mt. Sterling	4	Ornamentals
Hunt, T. G.	Lovelaceville	8	Strawberry plants
Hutchinson, R. F.	Roscoe	3	Fruits
Immegart Nursery, Fred J. Immegart	Newport, 250 S. Alex- ander Park	12	General
Johnson, Allie	Benton	4	Raspberry and strawberry plants

Name	Address	Acreage	Kinds of Nursery Stock
Judd, D. W.	Kevil, R. 1	1	Strawberry plants
Kahlert Flower Farm	Shively	10	Narcissi
Keeling, J. W.	Hopkinsville	2½	Fruits
Klein Nursery & Floral Co., Theo. R. Klein	Crestwood	5	General
Kirksey Plant Farm	Kirksey		Sweetpotato plants
Knott, A. L.	Kevil, R. 1	1	Strawberry plants
Korfhage, Louis J.	Shively	9	Ornamentals
Leeming Nursery, W. H. Leeming	Shively	14	General
Limestone Dahlia Gardens, Purnell and Galloway	Maysville	¾	Dahlias
Louisville Nurseries, W. N. Arterburn	St. Matthews, R. 7	48	General
Martin's Nursery	Carrollton	3½	General
McCowan, Emery	Lamero	1	Native shrubbery
McCutcheon, W. F.	Paducah, R. 2	2	Raspberry and strawberry plants
Melton, E. S.	Kevil, R. 1	2½	Strawberry plants
Meriwether, E. C.	Guthrie	1-8	Ornamentals
Miller, Mrs. H. L.	Valley Station	2	Gladioli
Mimms, Mrs. George	Pembroke	4½	Strawberry plants
Moreland, L. F.	Paducah, R. 2	1½	Strawberry plants
Moss, R. D.	LaCenter, R. 2	1	Strawberry plants
Mt. Airy Nursery, Dalton Brown	Harrodsburg	7	General
Mt. Pleasant Gardens	Fort Thomas	2	Ornamentals and perennials
Murchison, Z. G.	Water Valley	2	Strawberry plants
Nick's Nursery, Nick Verburg, Prop.	Anchorage	5	General
Patton, W. O.	Almo		Sweetpotato plants
Pope and Purlant, Florists	Winchester	½	Ornamentals
Poschinger, Frank	Louisville, 149 Vernon Avenue	½	Dahlias

Name	Address	Acre- age	Kinds of Nurs- ery Stock
Pullam-Threlkeld Nursery	Clay, R. 3	4	General
Ridgeway Nurseries, Inc., Theo. Zollinger, Prop.	St. Matthews	8½	General
Robbins, Robert R.	Union	3	Fruits
Roberts, B. E.	Benton, R. 3		Sweetpotato plants
Roberts, R. R.	Benton, R. 3	2	Strawberry plants
Roof, W. J.	Paducah, R. 1	¼	Strawberry plants
Ross, R. M.	Paducah, R. 2	3	Strawberry plants
Ruckel, Earl	Waynesburg	1¼	Strawberry plants
Russell Plant Farm, Jesse Russell	Bowling Green, R. 2	2	Bulbs and sweetpotato plants
Sanderson, G.	Paducah, R. 6	1½	Strawberry plants
Shacklette and Warfield	Hodgenville, R. 1	1½	Ornamentals
Shupe Nurseries, H. R. Shupe, Prop.	Sedalia	15	General
Singer Gardens, J. W. Singer	Stamping Ground	¾	Ornamentals
Singleton, H. H.	Waynesburg	4	Strawberry plants
Smits Greenhouses, Jan Smits	Paris, R. 6	6	General
Stamper, J. F.	Waynesburg	2	Strawberry plants
Stilger, Ray	Louisville, R. 3	¼	Ornamentals
Stinnett, H. H.	Wickliffe, R. 1	5	Strawberry plants
Stoke, Louis, Jr.	Louisville, 2340 Payne Street	2	General
Taylor, Truman	Waynesburg	1½	Strawberry and raspberry plants
Terrace Hill Gardens, Mrs. C. R. Gernett	Louisville, 1522 S. Preston St.	2	General
Timmons Nursery, J. W. Timmons	Sebree	1½	General
Todd County Nursery, J. M. Green	Trenton, R. 2	1½	General
Walnut Lawn Farm, R. L. James	Lexington, R. 8	1	Ornamentals
Warner, J. T.	Paducah, R. 7	2	Strawberry plants

Name	Address	Acre- age	Kinds of Nurs- ery Stock
Watts, Ed.	Kevil, R. 1	3	Strawberry plants
Webb's Nursery, P. G. Webb, Prop.	Hanson	1	General
Webb's Evergreen Nurseries, R. F. Webb	Warsaw	½	Ornamentals
Webb, S. T.	Waynesburg, R. 3	3	Strawberry and raspberry plants
White's Dahlia Gardens	Louisville, 1814 Richmond Drive	½	Dahlia
Whittinghill, Lonnie	Love	1	Fruit
Willadean Nurseries, Inc., A. L. Kidwell, Mgr.	Sparta	100	General
Wren, L. R.	Kevil, R. 2	6½	Strawberry plants
Yopp's Nursery, M. J. Yopp, Prop.	Paducah	26	General

LICENSES ISSUED TO NON-RESIDENTS, DEALERS AND AGENTS

Non-resident nurserymen's permits	105
Nursery dealers' permits	104
Nursery agents representing non-resident nurserymen	27
Nursery agents representing resident nurserymen	8

APPROXIMATE NUMBER OF VARIOUS PLANTS GROWN IN NURSERIES OF KENTUCKY 1934-1935

Apple		(b) Chinese	21,072
Grafts	47,150	Linden	1,553
2 yr. old	45,225	Ash	11,315
3 yr. old	39,381	Birch	3,419
4 yr. old	470	Catalpa	2,062
Pear		Sweet Gum	3,480
Grafts	3,582	Soft Maple	23,355
Seedlings	650	Sugar Maple	25,242
Peach		Red Maple	3,995
Budded	55,709	Other Maples	6,838
Seedlings	54,400	Box Elder	160
Plum	3,442	Black Locust	50,000
Cherry		Oak	33,787
Budded	10,996	Tulip Poplar	3,858
Seedlings	1,700	Magnolia	11,012
Grape	17,537	Carolina Poplar	7,019
Gooseberry	1,145	Sycamore	5,071
Currant	1,025	Willow	4,409
Hedge plants	318,148	Lombardy Poplar	2,675
5-leaf pine	5,369	Dogwood	14,877
Other conifers	579,720	Boxwood	28,344
Woody shrubs	403,472	Narcissi	100,300
Herbaceous ornamentals	374,820	Gladioli	481,300
Chestnut	108	Dahlias	72,880
Elm		Iris	38,400
(a) Native	18,572	Roses	1,000
		Sweetpotato, bushels, (Est.)	1,000

FREQUENCY OF APPEARANCE OF INSECTS AND DISEASES OF CONSEQUENCE IN KENTUCKY NURSERIES, 1934-35

Insects	
Bagworm	25
Red spider	23
Gladiolus thrips	21
Apple leaf skeletonizer	17
Strawberry crown borer	14
White grubs (strawberry)	13
Oriental fruit moth	13
Blister beetle	7
Leaf hopper	5
Dogwood borer	3
Poplar leaf tyer	3
Elm leaf beetle	3
Flea beetle	3

Apple leaf aphid	2
Boxwood mealy flata	2
May beetle	2
San Jose scale	2
Boxwood leaf miner	2
Obscure scale	1
Oyster shell scale	1
Apple tree tent caterpillar	1
Pine leaf scale	1

Diseases

Peony blotch	19
Cedar rust	18
Canker—pussy widow	15
Leaf spot—raspberry	13
Anthracnose—raspberry	9
Canker—Lombardy poplar	8
Blight—lilac	5
Crown rot—delphinium	4
Canker—Chinese elm	3
Corm rot—gladiolus	3
Crown rot—rhubarb	3
Crown gall—apple	2
Damping off	2
Leaf spot—hydrangea	2
Black rot—narcissus	1
Canker—birch	1
Chestnut blight	1
Leaf spot—cornus	1

SUMMARY OF NURSERY INSPECTION—1934

Number of inspections of growing stock.....	172
Number of nurserymen growing fruit stock only.....	12
Number of nurserymen growing ornamental stock only	69
Number of nurserymen growing both fruit and orna- mentals	26
Number of men growing strawberries	54
Number of men growing raspberries	19
Number of men growing blackberries	3
Total acres of all nursery stock.....	1,057 $\frac{1}{4}$
Total acres of strawberries	114 $\frac{1}{4}$
Total acres of raspberries	52 $\frac{1}{8}$
Total acres of blackberries	2 $\frac{1}{2}$

Miles Traveled—July 18, 1934, to June 1, 1935.....	19,757
Number of Counties Visited	112

Violations

During the season four persons were apprehended, tried and convicted of charges of violating provisions of the Nursery Inspection Act.