

STATE OF WASHINGTON
DEPARTMENT OF AGRICULTURE
Division of Horticulture

Order No. 575

Pea Moth Quarantine Order No. 23
Effective on and after December 28th, 1942

STATE OF WASHINGTON
FILED
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Section 1. Infested Territory

WHEREAS, It has been determined by a series of investigations that an insect injurious to peas, sweet peas, and vetch, known as the Pea Moth (Laspeyresia nigricana, Steph.), not heretofore generally prevalent or distributed in the State of Washington, exists in the Counties of Whatcom, Island, San Juan, Skagit, Snohomish and Clallam. It has been further determined that this pest threatens the continued existence of the pea industry in the infested area, and through possibility of further distribution, constitutes a serious menace to all non-infested pea growing districts; and

WHEREAS, Through public hearings and other investigation, it has been found to be the desire of the pea growers in the control or infested area, and in the non-infested areas to bring this insect pest under control and to prevent its further spread;

Section 2. Establishing Quarantine, Arthur E. Cox

NOW, THEREFORE, I, Arthur E. Cox, Director of Agriculture of the State of Washington by virtue of the authority vested in me by Chapter 292 of the Session Laws of 1927, do hereby proclaim and establish a quarantine, hereinafter setting forth the name of the pest against which the quarantine is established, the infested area, the control or regulated area, the products regulated, specifying conditions governing shipments and governing growing and issuance of certificates under which said products may be shipped, and indicating the areas protected by quarantine.

Section 3. Definitions

Pest: Pea Moth (Laspeyresia nigricana, Steph.) a pest of peas and vetch.

Infested Area: Counties of San Juan, Clallam, Island, Skagit, Snohomish and Whatcom.

Control Area: All of Skagit and Snohomish Counties, and that part of Whatcom County beginning at Marietta and extending along Rural Avenue to Highway 99 (Pacific Highway); thence along the Pacific Highway to the Red Top Service Station at Ferndale Junction for the eastern boundary; thence west along the road to and through the town of Ferndale and along the Mountain View Road to the Gulf of Georgia for the Northern boundary; thence south along the coast, the coast to be followed back to the starting point at Marietta.

Non-Infested Area: Rest of the State of Washington.

Regulated Products: All peas and vetch, and parts thereof.

Section 4. Regulated Products and Conditions Governing Shipments from infested areas.

Regulation 1. Governing the shipment of peas and vetch, and parts thereof, from the infested area.

- (a) Shipments of peas and vetch or parts thereof, grown in the infested area, to any other part of the state of Washington are prohibited, except that they may be shipped or moved out of the area after fumigation, inspection and certification.

Condition of Certification

Seed peas and vetch, and parts thereof, grown in the infested area may be shipped only after fumigation with any of the following formulas:

Atmospheric Fumigation

1. Chloropicrin. $1\frac{1}{2}$ lbs. per 1000 cu.ft. of air space in a gas-tight fumigation chamber at a temperature of not less than 60° F. for a period of 24 hours at a maximum load of 15,000 lbs. per 1000 cu.ft., each layer of sacks to be separated by 2 x 4 boards to permit free circulation of gas and at least two fans with 12-inch blades to be kept in operation at opposite ends of the fumigation chamber throughout the time of exposure.
2. Carbon bisulphide. 20 lbs. per 1000 cu.ft., of air space in a gas-tight fumigation chamber at a temperature of not less than 65° F. for a period of 24 hours at a maximum load of 15,000 lbs. per 1000 cu.ft., each layer of sacks to be separated by 2 x 4 boards to permit free circulation of gas.
3. Hydrocyanic acid (HCN). 4 lbs. per 1000 cu.ft. of air space in a gas-tight fumigation chamber at a temperature of not less than 65° F. for a period of not less than 24 hours at a maximum load of 15,000 lbs. per 1000 cu.ft., each layer of sacks to be separated by 2 x 4 boards to permit free circulation of gas.
4. Methyl Bromide. 3 lbs. per 1000 cu.ft. of air space in a gas-tight fumigation chamber at a temperature of not less than 65° F. for a period of not less than 4 hours at a maximum load of 15,000 lbs. per 1000 cu.ft. At least two fans with 12-inch blades to be kept in operation at opposite ends in the fumigation chamber throughout the time of exposure.
5. Methyl bromide. 1 lb. per 1000 cu.ft. of air space in a gas-tight fumigation chamber at a temperature of not less than 60° F. for a period of not less than 24 hours at a maximum load of 15,000 lbs. per 1000 cu.ft.

Vacuum Fumigation

Hydrocyanic acid (HCN). 7 ounces per 100 cu.ft. of space at a temperature of not less than 65° F., the gas to be injected at not less than a 28-inch vacuum for a period of 2 hours at a maximum load of 15,000 lbs. per 1000 cu.ft.

Box cars not acceptable as fumigation chambers.

Refrigerator cars may be used as fumigation chambers. However, it is emphasized that the drains must be sealed with water and if the car is liable to be shunted during the fumigation cycle, the drains should be plugged with wet paper which should be removed at the completion of the cycle.

Note: The product "Zyklon Discoids" may be used in the liquid HCN formulae above in equal quantities specified for HCN.

Section 5. Control Area

Regulation 1. Designating control area and regulating growing, distribution and inspection within the heretofore described control area of Whatcom, Skagit and Snohomish Counties.

- (a) All peas and vetch and parts thereof grown within the control or regulated areas shall be harvested, ensilaged, or destroyed prior to the time the pea moth larvae begins to emerge from the host pods.
- (b) Peas and vetch, or parts thereof, grown in the infested areas, where infestation exists, may be moved to other parts of or out of the area only under such conditions which, in the judgment of the inspector, will prevent the spread of or introduction of the pea moth to non-infested districts.

Section 6. Penalties

Section 2786, Remington's Revised Statutes. Every person who shall violate or fail to comply with any rule or regulation adopted and promulgated by the director of agriculture in accordance with and under the provisions of this act shall be guilty of a misdemeanor, and for a second and each subsequent violation or failure to comply with the same rule or regulation, shall be punished by imprisonment in the county jail for not less than thirty days or more than one year, or by a fine of not less than \$100.00 or more than \$1,000.00 or both such fine and imprisonment.

Section 7. All employees of the horticultural division of the Department of Agriculture are hereby empowered and instructed to carry out the provisions of this order.

This quarantine revokes and supersedes Quarantine Order No. 23, dated May 15th, 1940.

Arthur E. Cox
Director of Agriculture

Approved:

Arthur B. Langlie
Governor of the State of
Washington

Signed at Olympia, Washington this 28th day of December, 1942

I hereby certify that this is a true and correct copy of the original Order No. 375, Pea Moth Quarantine Order No. 23, signed by Arthur E. Cox, Director of Agriculture, and Arthur B. Langlie, Governor of the State of Washington, on December 28th, 1942, in Olympia, Washington, on file in the Department of Agriculture.

Mildred Kotick
Secretary to Wm. H. Shaw,
Supervisor of Horticulture

Subscribed and sworn to before me, this 6th day of August, 1946,

F. M. Walbridge
Notary Public residing in
Olympia, Washington