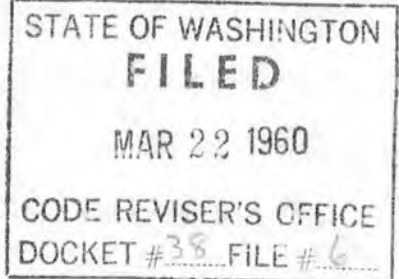


STATE OF WASHINGTON  
DEPARTMENT OF AGRICULTURE  
Division of Horticulture  
Olympia



ORDER No. 479

QUARANTINE ORDER No. 5

Pertaining to Narcissus Bulb Nematode  
Effective on and after September 30, 1946

Section 1. Infested Territory

WHEREAS, It has been determined that a nematode pest injurious to narcissus bulbs, known as the bulb nematode (Tylenchus dipsaci, Kuehn) are present in various states of the United States, including the state of Washington, and that all bulbs of the genus narcissus are liable to be carriers of this pest,

Section 2. Establishing Quarantine

NOW, THEREFORE, I, Fred J. Martin, 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 prohibiting the shipments into the state of Washington or within the state of Washington, of all bulbs of the genus narcissus except in compliance with the following rules and regulations issued by the Department of Agriculture.

Section 3. Definitions.

Pest: Bulb Nematode (Tylenchus dipsaci, Kuehn)

Section 4. Conditions Governing Shipments.

Regulation 1. Each shipment of narcissus bulbs shipped into or within the State of Washington must have attached to each case or package a certificate signed by a proper official of the Department of Agriculture of the State of origin certifying that:

- (a) All of the bulbs contained in the shipment are from fields inspected during the growing season and found free from nematode; or
- (b) If the bulbs were found to be infested with nematode, that they were given the regular hot water treatment at 110° F. to 111° F. for a period of four hours including a pre-soak of two hours at a temperature of 70° F. to 80° F. and to which has been added Formalin solution at the rate of 1 pint to each 25 gallons of water; However, the pre-soak of two hours may be omitted provided the hot water treatment is given within 30 days from digging and to which has been added the formalin solution at the rate of 1 pint to each 25 gallons of water;

- (c) Bulbs from original containers: Certified narcissus bulbs taken from crates or other original containers for reshipment into or within the state of Washington in small lots, shall have securely attached to each container the 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 a proper official of the state of origin, and that they meet the requirements of state of Washington Quarantine Order No. 5."

- (d) Any shipment of bulbs arriving at point of destination or intercepted in transit not bearing the proper inspection certificate shall be immediately returned to point of origin, or given the prescribed hot water treatment at the option and expense of the owner or owners, his or their responsible agent or agents.

No certificates will be issued or accepted unless all of the required treatment has been completed under the supervision of a duly authorized official of the Department of Agriculture of the State of origin or the United States Department of Agriculture.

Regulation 2. Sanitary Requirements on Narcissus Bulbs grown within the State of Washington.

Certification will be refused on all narcissus bulbs which do not meet the requirements of Regulation 1, paragraphs (a), (b), or (c);

Provided, that in the event of any planting which may disclose, as the result of the required field inspection, so slight infestation of nematode as to make it possible, in the judgment of the inspector, to eliminate the infestation by roguing out the infested bulbs, and if necessary, taking out or sterilizing, or both, the infested soil and the inspector shall so advise the grower; then, if the grower shall carry out the sanitary measures indicated, and the crop shall, upon harvest inspection, prove to the satisfaction of the inspector to be free from infestation, such crop may be given certification for shipment without disinfection but all stock remaining from such infested lot of bulbs must be given the thermal treatment provided in Regulation 1 (b), and

Provided further, that this provision does not apply to stocks planted in soil known to be infested with nematode.

Regulation 3. Narcissus bulbs originating outside of the continental United States may be permitted entry into the state of Washington: Provided, that such bulbs shall be planted within the state and held under quarantine until the next spring inspection, and subject to the following provisions:

- Section 1. Upon arrival, if bulbs are found to be infected with nematode, they shall be given the hot water treatment immediately as set forth in Regulation 1(b), or
- Section 2. If no nematode is found upon arrival, permission will be given to plant under condemnation until the regular spring field inspection. During the growing season bulbs must be inspected and if any trace of nematode is found, they must be given the hot water treatment when harvested as set forth in Regulation 1(b).
- Section 3. Reguing of any nature shall not be permitted until condemnation has been properly released by an authorized horticultural inspector.
- Section 4. After the regular field inspection, if no nematode is found, then permission will be given to dig and the condemnation released.

Regulation 4. All narcissus bulbs which have been grown in greenhouses within the state of Washington shall not be used for propagation unless given the hot water treatment as prescribed for nematode before intra-state or inter-state movement will be authorized.

Regulation 5. Persons growing narcissus bulbs with the intention of requesting certification for the movement of the crop must make application for the inspection to the State Department of Agriculture, Division of Horticulture, in advance of the blossoming of the plants. The application shall show the acreage and estimated number of bulbs grown, together with their exact locations.

The grower shall later notify the state Department of Agriculture, Division of Horticulture, when the bulbs have been harvested, cleaned and so sorted, and are ready for warehouse inspection. Applicant will be required to assemble the bulbs to be inspected and so place them that they can be readily examined. If not so placed, inspection may be refused.

Regulation 6. Outstanding certificates will be withdrawn and further certification refused to any grower or shipper who has violated any of the rules and regulations provided governing the movement of narcissus bulbs, or who has falsely labeled or has mislabeled any shipment with the intent of evading any of the provisions of these rules and regulations, or who has made any false statement or representation in connection with securing any certificate.

Narcissus bulbs shipped into or within the state in violation of this quarantine shall be given the hot water treatment as prescribed for nematode, or returned to the point of origin, or destroyed at the expense of the shipper.

This Quarantine Order No. 5 (Order No. 479) revokes and supersedes  
Quarantine Order No. 5 dated March 15th, 1944 (Order No. 410).

Jul J. Mants  
Director of Agriculture

Approved:

Mon. T. Hallgren  
Governor of the State of Washington

Dated at Olympia, Washington, this 30th day of September 1946.

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