

Quarantine Name: European Pine Shoot Moth, EPSM

Quarantine Order: MTQ-2008-01

Reason for the Quarantine: The European pine shoot moth (*Rhyacionia bouliana*) is a pest of *Pinus* species. The insect's larval stage causes damage by feeding on the tips of branches, causing tip death, followed by abnormal branching. It poses a threat to Montana's timber industry by causing growth patterns unusable for cut timber and decreasing stumpage value. It also increases the risk of other insect and disease outbreaks and fire. Economic impacts on the timber industry are more difficult to measure. Some irregular branching of individual trees can be tolerated. However, a large infestation of European pine shoot moth can cause irregular branching in a high percentage of the standing crop, rendering the trees unacceptable for timbering. It also poses a threat to Montana's nursery industry, as both landscape pines and Christmas trees can be infested. Even the presence of the larvae destroys the value of these trees substantially. Montana has no known infestations of this insect. Protection of the timber and ornamental industries is important to the economic well being of the state. The nursery industry represents Montana's fifth largest source of agricultural income, which generated \$33,832, 000 in 2002 (2002 Census of Agriculture State Profile, http://www.nass.usda.gov/Statistics_by_State/Ag_Overview_MT.pdf). Christmas tree sales, which are not included in nursery, contributed an additional \$632,000 (2002 Census of Agriculture State Profile) in agricultural income during that year.

Pest: European Pine Shoot Moth (*Rhyacionia bouliana*)

Regulated Area: The states of

State	State	State
Connecticut	Indiana	Massachusetts
Delaware	Iowa	Michigan
Idaho	Maine	Missouri
Illinois	Maryland	New Hampshire
New Jersey	Oregon	Washington
New York	Pennsylvania	West Virginia
Ohio	Rhode Island	Wisconsin

Regulated Articles:

1. All species of pine trees, *Pinus spp.*, with or without roots, and the branches or twigs of pine-bearing terminal buds, needles, or shoots.
2. The European pine shoot moth, Lepidoptera: Tortricidae: *Rhyacionia bouliana*, in any living stage of development.
3. Entire pine (*Pinus spp.*) trees.
4. Pine limbs and branches.
5. Any article, product or means of conveyance when it is determined by the Director to present the risk of spread of the European pine shoot moth (Lepidoptera: Tortricidae, *Rhyacionia bouliana*).

Restrictions: Regulated articles shall not be moved by any person from any regulated areas into or within the State of Montana unless each shipment is accompanied by either:

1. Documentation of origin for each shipment in the form of a bill of lading or invoice if coming from an area known not to be infested, or;
2. A phytosanitary certificate for each shipment attesting to pest freedom for each growing site that has been trapped and found free of the insect, or;
3. A phytosanitary certificate for each shipment attesting to pest freedom based on shipping on point inspection of each article.
4. *Pinus* articles may be inspected, at the importer's cost, by a Montana Department of Agriculture inspector to ascertain freedom from European pine shoot moth.
5. *Pinus* articles that are wild-collected, or made from wild-collected materials, must have a phytosanitary certificate attesting to pest freedom based on a shipping point inspection or be inspected immediately upon arrival into the State of Montana, by a Montana Department of Agriculture inspector to ascertain freedom from European pine shoot moth.

This is a zero tolerance quarantine. At present, Montana has no known infestations of this insect, as supported by yearly survey using EPSM male sex attractant pheromone in Pherocon II traps.

Definitions:

DIRECTOR means the Director of the Montana Department of Agriculture or his or her authorized representative.

INSPECTOR means an employee of the Department of Agriculture authorized to enforce the provisions of this quarantine.

INFESTATION means the presence of the European pine shoot moth (EPSM) or the existence of the circumstances that make it reasonable to believe that the EPSM is present.

PERSON means an individual, company, or partnership.

AREA KNOWN NOT TO BE INFESTED means a nursery or county that has been systematically trapped for European pine shoot moth using male attractant sex pheromone and Pherocon II traps, for a minimum of one year (twelve months) with no EPSM collected in the traps.

CERTIFICATE AND CERTIFICATE OF INSPECTION means a document issued or authorized to be issued by the Director, including stat-issued certificated of quarantine compliance, state phytosanitary certificates and multiple-use quarantine certificates, to allow the movement of regulated articles to any destination.

MOVED (MOVE, MOVEMENT) means shipped, offered for shipment, received for transportation, transported, carried, or allowed to be moved or shipped.

PEST FREEDOM FOR A GROWING SITE means a statement indicating that the growing site of the commodity has either been systematically trapped for the adult EPSM using EPSM male attractant sex pheromone and Perocon II traps, or systematically inspected for larval EPSM. A systematic inspection for larval EPSM must include examination of at least 20% of the trees in the nursery.

SHIPPING POINT INSPECTION means an inspection at the point of loading of the commodity, before or during the loading of the shipment.

Length of Quarantine: This is a long term quarantine; a quarantine lasting longer than one year. The quarantine will be reviewed every five years.

Attachments: None



Ron de Yong
Director, Montana Department of Agriculture

12/23/08

Date