Michigan Department of Agriculture and Rural Development
Pesticide and Plant Pest Management Division

BALSAM WOOLLY ADELGID INTERIOR STATE QUARANTINE

I. JUSTIFICATION

A dangerous pest commonly known as balsam woolly adelgid, *Adelges piceae* Ratzburg, is injurious to native balsam fir. Balsam woolly adelgid has become established in parts of the eastern and western United States and has been found infesting fir stands in a limited area in Michigan. Once native fir stands are infested with this pest, it is difficult to eradicate. Many species of wildlife benefit from the excellent habitat that native fir provides. Commercially planted fir trees are a valuable resource for the landscaping, Christmas tree and tourism industries in Michigan. The Secretary of Agriculture of the United States has not determined that a federal quarantine is necessary. **THEREFORE**, the Director of the Michigan Department of Agriculture and Rural Development, by authority of Section 6 of Act No. 72 of the Public Acts of 1945 (Section 286.256, Compiled Laws of 1948) and Regulation No. 620 Quarantine, does establish a quarantine to prevent the further spread in Michigan of the insect pest, balsam woolly adelgid, and sets forth definitions, regulated areas, regulated articles, shipping restrictions, and violations.

II. DEFINITIONS

The following terms shall be construed to mean:

(A) **CERTIFICATE** means a State Phytosanitary Certificate, Certificate of Quarantine Compliance, or equivalent certification document issued by an authorized state agricultural official.

(B) **COMPLIANCE AGREEMENT** means a written agreement between the Director and a person moving or receiving regulated articles.

(C) **DEPARTMENT** means the Michigan Department of Agriculture and Rural Development.

(D) **DIELECTRIC HEAT (DH)** means lumber has been heat treated using dielectric heating.

(E) **DIRECTOR** means the Director of the Michigan Department of Agriculture and Rural Development or their authorized representative.

(F) **FIREWOOD** means tree parts in lengths less than 1.22 meters (4 feet).

(G) **FOREST PRODUCT** means a product made from materials derived from the practice of forestry or the management of growing timber.

(H) **HEAT TREATMENT (HT)** means lumber which has been placed in a closed chamber and artificial heat added until the lumber or packing achieves a minimum core temperature of 56 degrees Celsius (132.8 degrees Fahrenheit) for a minimum of 30 minutes**.**

(I) **INFESTATION** means the presence of the balsam woolly adelgid or the existence of the circumstances that make it reasonable to believe that balsam woolly adelgid is present.

(J) **KILN DRIED (KD)** means lumber seasoned in a closed chamber by means of artificial heat to a maximum moisture content of 19 percent at time of surfacing.

(K) **LOG** means tree parts cut into lengths 1.22 meters (4 feet) or longer.

(L) **LUMBER** means timber sawed into boards, planks, or other structural members.

(M) **MOVED (MOVEMENT)** means shipped, held for shipment, received for shipment, transported, carried, or allowed to be moved or shipped.

(N) **PERSON** means an individual, firm, association, partnership, corporation, governmental entity, or other legal entity.

(O) **SAFEGUARDED** means protective measures which have been taken to prevent the introduction of balsam woolly adelgid onto fir nursery stock. Protective measures include:

a. transporting and/or holding nursery stock that is enclosed by a covering such as canvas, plastic, or closely woven cloth,
b. transporting and/or holding the nursery stock in an enclosed trailer body or vehicle; and,
c. holding the nursery stock in an enclosed building or in a secure, screened greenhouse or in a secure, screened hoop house.

(P) **YARD WASTE** means branches and boughs with bark attached; or un-composted yard waste which has not been chipped.

II. PEST

Balsam woolly adelgid, *Adelges piceae* Ratzburg, in any living form.

III. REGULATED AREAS WITHIN MICHIGAN

Aetna, Clam Union, Holland and Riverside Townships in Missaukee County; Freeman, Greenwood, Lincoln, Redding, Summerfield and Winterfield Townships in Clare County; and, Marion Township in Osceola County. See map in Appendix I.

IV. REGULATED ARTICLES

Balsam woolly adelgid, *Adelges piceae* Ratzburg, in any living form.

All true fir (*Abies* spp.) nursery stock, twigs, or branches including boughs, logs, lumber, firewood, and any other forest products bearing bark.

V. EXEMPTIONS

Exempted items include:

1. Composted chipped/shredded/ground forest products of regulated species.
2. Cut Christmas trees and holiday greenery, such as wreaths, boughs, and grave blankets if moved during the period of November 15 through March 15.
3. Forest products that bear markings as being compliant with International Standards for Phytosanitary Measures No. 15, including American Lumber Standards Committee requirements for Kiln Dried (KD), Heat Treatment (HT), Dielectric Heat treatment (DH) or Kiln Dried Heat Treatment (KDHT).
4. Forest products that have been completely debarked.
5. Forest products that are harvested and processed during the period of November 15 through March 15.
6. Seeds and cones of regulated species.
7. All true fir (*Abies* spp.) nursery stock originating from outside the regulated area which is moved into the regulated area for the purpose of immediate installation in the regulated area and is shipped directly to the planting site or is held in a safeguarded manner until subsequent installation.

The Director may allow:

8. With written approval, the movement of regulated articles from the regulated area into non-regulated areas of Michigan for research purposes.
9. Movement of regulated articles from the regulated area into non-regulated areas of the state through a written compliance agreement issued by the Director.
10. Movement of regulated articles from locations within the regulated area to destinations inside the regulated area through a written compliance agreement issued by the Director.

VI. RESTRICTIONS

1. Movement of regulated articles from the regulated area to any destination outside the regulated area is prohibited, except for exempt articles listed in Section V. Exemptions.
2. Movement of regulated articles from locations within the regulated area to any destination inside the regulated area is prohibited, except for exempt articles listed in Section V. Exemptions.
3. Movement of *Abies* spp. yard waste (branches and boughs with bark attached; or un-composted yard waste which has not been chipped) from locations within the regulated area to any destination inside the regulated area is prohibited, unless it meets both of the following conditions:
    a. Yard waste is moved to a disposal site where there are no fir trees within 300 feet.
    b. During the high-risk period of March 15 through November 15, yard waste may only be transported when enclosed by a covering adequate to prevent the spread

of balsam woolly adelgid (such as canvas, plastic, or closely woven cloth), or is transported in an enclosed trailer body or vehicle.

4. All true fir (*Abies* spp.) nursery stock originating from outside the regulated area which is moved into the regulated area will be considered exposed to potential infestation by balsam woolly adelgid and may not be subsequently moved to destinations outside the regulated area except under written compliance agreement issued by the Director. This restriction does not apply to safeguarded articles as described in Section VII. Part 2 or to articles shipped entirely during the low-risk period of November 15 through March 15.
5. NOTE: All true fir (*Abies* spp.) nursery stock originating outside of the state of Michigan must meet the requirements of the Michigan BWA Exterior Quarantine.

VII. CERTIFICATION AND SHIPPING REQUIREMENTS

1. Certificates - Regulated articles originating within the regulated area meeting the requirements for movement within Michigan must be accompanied by a certificate issued by the Director. The certificate must indicate the county of origin, the number and type of regulated articles, and any additional declarations as required in VII (2). A copy of the certificate shall accompany said nursery stock to the final destination.

2. Additional Declarations - Regulated articles originating from within a regulated area meeting the requirements for movement within Michigan must be accompanied by a Certificate of Quarantine Compliance or equivalent certification documents meeting requirements from VII (1), and containing the following declaration:

Regulated articles in this shipment were produced under an active pest management program to control balsam woolly adelgid approved by MDARD.

2. Transportation Requirements (**Nursery Stock)** - During the high risk period of March 15 through November 15, all true fir (*Abies* spp.) nursery stock originating outside the regulated area may be transported through the regulated area, provided that: a) said nursery stock is enclosed by a covering adequate to prevent the introduction of balsam woolly adelgid (such as canvas, plastic, or closely woven cloth), or is transported in an enclosed trailer body or vehicle; and, b) said nursery stock was not off-loaded in the regulated area; and, c) no true fir (*Abies* spp.) nursery stock was added to the shipment in the regulated area. Safeguarded true fir (*Abies* spp.) nursery stock transported through the regulated area must be accompanied by shipping documents which clearly identify the place of origin. During the low-risk period encompassing November 15 through March 15 the above requirements do not apply.

VIII. RECORDKEEPING REQUIREMENTS

Persons receiving regulated articles from any source shall retain a copy of shipping records, invoices, waybills, bills of lading, certificates of quarantine compliance, phytosanitary certificates or equivalent certification documents for a period of 36 months after receipt of the articles. Said documents shall be provided upon request to the Director.

IX. VIOLATIONS

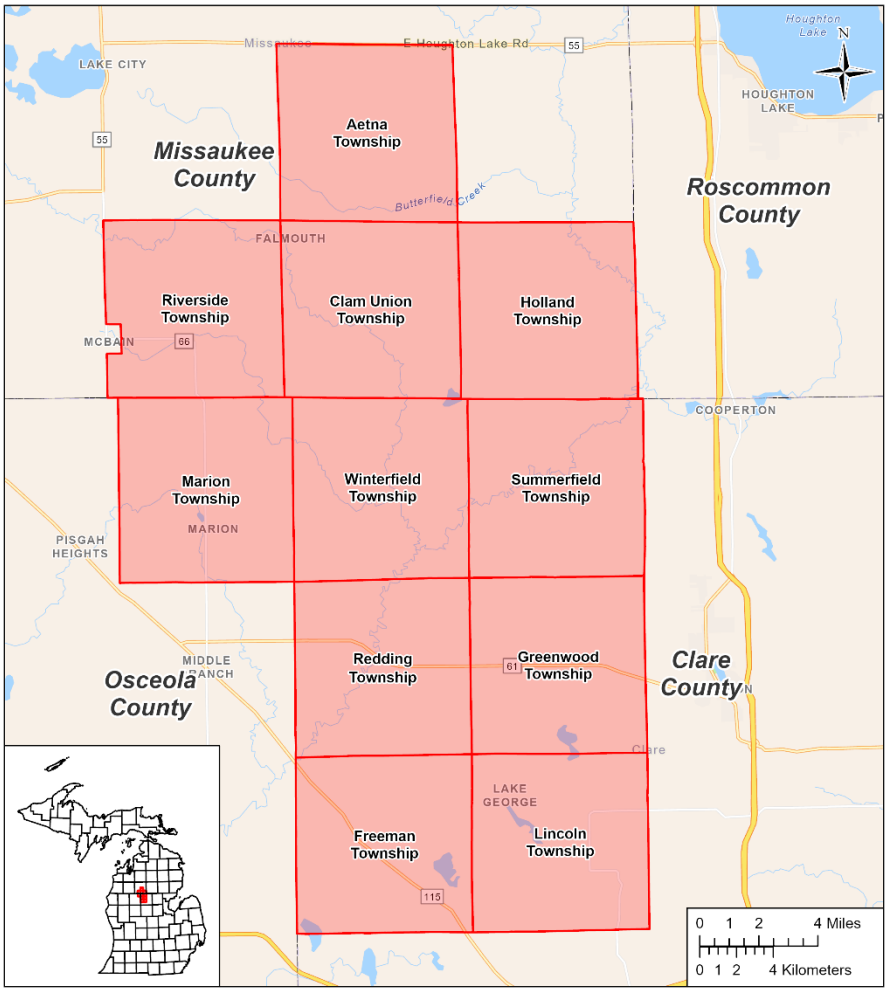
1. Any violation of this quarantine is subject to the full authority of Act No. 72, P.A. of 1945, as amended.
2. Common carriers or other carriers, persons, firms, or corporations who transport or move regulated articles in violation of this quarantine and these rules may be subject to the penalties described above.
3. Regulated articles transported in violation of this quarantine may be ordered destroyed or returned to the point of origin at the discretion of the Director.
4. This quarantine applies to shipments within the state of Michigan only. Shipments of regulated articles outside of Michigan or outside the U.S., may be subject to additional quarantines and regulations and any penalties under those authorities.

_____ September 10, 2024

Dr. Timothy Boring, Director — Date

This quarantine shall become effective on: September 16, 2024

Effective Date

Appendix I

Balsam Woolly Adelgid (BWA) Quarantine Areas