

## Other Wood Waste

(All Ash Species)

Including living and dead branches, roots, and stumps



### Treatment Options:

- Chip or mulch to <1" in at least two dimensions

## Wood Packaging Material Containing Green Lumber

Including dunnage, crating, pallets, packing blocks, drums, cases, and skids



### Treatment Options:

- International Standards for Phytosanitary Measures (ISPM) accredited treatments
- Treatments for green lumber of ash species itself, as listed previously

## Agency Contacts

USDA - APHIS (Nebraska)  
402-434-2346

Nebraska Department of Agriculture  
402-471-2341

Nebraska Forest Service  
402-472-2944

## "Gatewood" Liability

Many of Nebraska's sawmills and mulch providers rely heavily on "gatewood" for their wood supply. "Gatewood" can be described as logs and other woody material which are delivered to a sawmill, mulch business or another wood use facility by logging companies, tree care services or citizens.

In these instances, the supplier of the wood to the operation is responsible for abiding by the current ash movement restrictions. However, once EAB is found in an area and quarantines are in place, wood product businesses should begin requiring documentation of proof of origin of the delivered ash logs or debris.

If it is determined that a business is receiving ash material from a quarantine area while not maintaining an appropriate compliance agreement with USDA-APHIS, the business would be in violation of the quarantine regulations. Any suspected violations of regulated material leaving the EAB quarantine would need to be reported to the Nebraska Dept. of Agriculture and/or USDA-APHIS.

### Sources:

USDA-APHIS. 2015. Emerald Ash Borer Program Manual, *Agilus planipennis* (Fairmaire) USDA-APHIS-PPQ-Emergency and Domestic Programs-Emergency Planning, Riverdale, Maryland.

**More information on forest products or EAB:**  
Nebraska Forest Service: [nfs.unl.edu](http://nfs.unl.edu)

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Nebraska  
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Nebraska Forest Service

## Quarantine Regulations and Treatments of Ash Wood Products



The identification of emerald ash borer (EAB) in Nebraska will have significant impacts on the state's communities, forests and forest products industry. The transportation, handling and disposal of ash and other hardwood forest products will be subject to increased regulations and monitoring once an infestation has been located. However, these regulations are not intended to hinder commerce or the production of wood products.

This publication serves as a guide to ash wood treatment options and the necessary certificates and permits to allow wood product businesses to continue producing and transporting ash and other hardwood forest products and woody material.

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## EAB Quarantine Regulations

Human-assisted movement of EAB from the the transportation of infested woody material is the primary reason for the long-distance spread of EAB. As a result, quarantines are established in infestation areas to prohibit the movement of potential host material out of the area. These movement regulations apply to all those who transport woody material including logging companies, tree care services, mulch producers, and even private citizens.

While it is not recommended to move potential host material more than 15 miles from its point of origin, the USDA-Animal and Plant Health Inspection Service (USDA-APHIS) does offer regulatory options which allow for the movement of ash material out of quarantine areas.

## Transport Permits and Certificates

There are two options available which authorize businesses to move ash wood products out of a quarantine area with the approval of USDA-APHIS;

1) A certificate/stamp (PPQ 540) is the most common option for moving ash wood products from a quarantine area to a non-quarantine area. For a certificate to be issued, ash wood products must be treated with one of the USDA-APHIS approved treatment options.

2) A limited permit (PPQ 530) can be issued for the movement of ash wood products that have not been fully treated, per quarantine requirements. This occurs in certain situations when the wood product will be properly treated at an approved receiving destination. For example, those with a limited permit are allowed to move ash material from a quarantine area to a business in a non-quarantine area, only if the receiving business

maintains a compliance agreement with USDA-APHIS. Compliance agreements allow businesses to receive ash material during the non-flying period of the adult EAB life cycle (typically October-March) only if all ash logs and wood waste products are treated or disposed of before the start of EAB flight season (April-September).

## Approved Treatment Options

This section identifies the various wood products which are subject to regulation in and around EAB quarantine areas. Each product must be treated with one of the associated treatment options in order to be in compliance with quarantine regulations. Consult your local USDA-APHIS Official or State Plant Health Director regarding the use of alternative treatment options.

### Firewood (All Hardwood Species)

#### Treatment Options:

- Remove bark and an additional ½" of wood<sup>1</sup>
- Kiln sterilization treatment (T404-b-4)<sup>2</sup>
- Heat treatment (T314-a)<sup>2</sup> in a heat treatment facility approved by APHIS
- Fumigation according to treatment schedule T404-b-1-1<sup>2</sup> (Methyl bromide fumigation at NAP-tarpaulin or chamber)



### Woodchips, Mulch, Sawmill Waste (All Hardwood Species)

#### Treatment Options:

- Chip or mulch to <1" in at least two dimensions
- Follow an APHIS approved mulching or composting protocol



## Green Lumber (All Ash Species)

#### Treatment Options:

- Remove bark and an additional ½" of wood<sup>1</sup>
- Kiln sterilization treatment (T404-b-4)<sup>2</sup>
- Heat treatment (T314-a)<sup>2</sup> in a heat treatment facility approved by APHIS
- Fumigation according to treatment schedule T404-b-1-1<sup>2</sup> (Methyl bromide fumigation at NAP-tarpaulin or chamber)



## Logs (All Ash Species)

#### Treatment Options:

- Remove bark and an additional ½" of wood<sup>1</sup>
- Kiln drying treatment for logs <3" in diameter (T404-b-4)<sup>2</sup>
- Heat treatment (T314-a)<sup>2</sup> in a heat treatment facility approved by APHIS
- Fumigation according to treatment schedule T404-b-1-1<sup>2</sup> (Methyl bromide fumigation at NAP-tarpaulin or chamber)



<sup>1</sup> The bark and wood removed will be regulated separately. If intended for interstate movement, the removed bark and wood must be treated as described above for chips and mulch. If produced at a mill located outside the quarantine area, but approved to handle green ash logs or lumber from within the quarantine area, wood waste must be treated or destroyed prior to adult insect flight season.

<sup>2</sup> Consult the "USDA - APHIS Treatment Manual" for specifics regarding these treatment options, available at [www.aphis.usda.gov/import\\_export/plants/manuals/ports/downloads/treatment.pdf](http://www.aphis.usda.gov/import_export/plants/manuals/ports/downloads/treatment.pdf).