

Annosum Root Rot (Heterobasidion irregulare) Prevention Treatment

In the event that there is a discovery of Annosum Root Rot (Heterobasidion irregulare) in Vilas County or an adjacent county during the contract period, the Purchaser shall be required to implement the following prevention methods for stands that include the harvesting of conifers (excluding spruce and tamarack) . Treatment of non-merchantable balsam fir will be exempt from Annosum prevention treatment in stands where the management goal is for tree species other than conifers.

The Purchaser shall enter this harvest with equipment clean of soil from the previous harvest. In addition to items 51 and 52 under **Equipment Cleaning**, if previous job(s) included entering stands with confirmation of Annosum Root Rot, make sure to clean logging equipment (tires, cutting head, etc) with pressured water prior to entering this harvest.

If Annosum Root Rot does Not exist in the stand:

Harvesting may proceed without treating stumps during the period of December 15 to March 1 if the average daily temperatures for the 2 weeks prior are below 32°F and remain so for the duration of the cutting period.

OR

If the Purchaser conducts harvesting outside the above period, the Purchaser shall apply an approved fungicide to all fresh cut stumps and horizontal wound surfaces of all conifers except spruce and tamarack as follows:

- a. Pesticide Applicators must be certified/licensed by DATCP for this treatment and shall comply with all applicable federal and state laws and regulations concerning the application of pesticides. Applicators shall submit evidence of all licenses, certifications, and other credentials required by federal and state laws and regulations to the Department prior to beginning work. In the event Applicators becomes noncompliant with such laws and regulations at any time during their performance under this contract, they shall immediately cease work under this contract and notify the Vilas County Forestry Department.
- b. The Applicator shall treat all conifer stumps (excluding spruce and tamarack) by the end of the each cutting day.
- c. All conifer stumps (excluding spruce and tamarack) shall be clear of logging slash to allow for the application and inspection of the approved fungicide.
- d. Applicator shall apply fungicides according to product label directions.
- e. If 'Cellu-Treat' is used, the applicator must add a marker dye to the solution to monitor application coverage.
- f. The Purchaser must use extra care during harvesting to minimize damage to residual trees.
- g. The Vilas County Forestry Department will provide to the Purchaser fungicide and dye.
- h. All leaks and spills of any chemicals are the responsibility of the Applicator and shall be cleaned up and disposed of in accordance

with all federal, state, and local laws and regulations. Applicator shall immediately provide the Vilas County Forestry Department with notice of any leak or spill of chemicals.

- i. The Applicator shall ensure performance of all applications to be safe, competent, and environmentally sound. The Applicator shall use and maintain work procedures that will safeguard the public, Vilas County Forestry Department personnel, and Applicator's personnel and comply with all relevant federal and state laws.
- j. If Annosum Root Rot is discovered prior to the completion of this sale, a harvest protocol of infected area(s) as outlined below shall be established and all harvesting equipment must be cleaned of soil prior to leaving this harvest.

If Annosum Root Rot has been confirmed in the stand:

In addition to the above requirements, the following Operational Requirements shall apply:

- a. The Purchaser will start the thinning/harvesting with healthy stands, and move to infected areas.
- b. Do not cut any dead trees. Leave dead trees infected with Annosum standing to minimize future spore production.
- c. Leave the bottom eight feet of trees that are showing dieback and/or yellowing of the foliage (fader trees) on site to minimize the movement of fruit bodies to uninfected areas of the state.
- d. The Purchaser will clean logging equipment (tires, cutting head, etc.) with pressured water prior to entering a new uninfected stand.