

The following information is taken from the timber sale contract.

HRD (Heterobasidion root disease) Prevention and Treatment

- (1) The Purchaser shall be required to implement the following prevention methods for HRD (Heterobasidion disease) on red, white or jack pine, white spruce or fir sites where management of pine, white spruce or fir is the objective. These sites will be identified on the timber sale map.
- (2) The Purchaser shall enter this harvest with equipment clean of soil or debris from the previous harvest. In addition, if previous job(s) included entering stands with confirmation of HRD, make sure to clean logging equipment (tires, tracks, cutting head, etc) with pressurized water prior to entering this harvest.
- (3) If HRD does not exist within the timber sale stand(s), then the following conditions will apply:

The harvest period will be limited to 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 periods, the Purchaser shall conduct HRD control work. The Purchaser shall apply an approved fungicide for HRD control to all fresh cut stumps and horizontal wound surfaces of all conifers as follows:

- a. This Contract shall be governed by the laws of the State of Wisconsin. The Purchaser shall at all times comply with all federal, state and local laws, ordinances and regulations in effect during the period of this Contract. 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. In the event Applicator becomes noncompliant with such laws and regulations at any time during its performance under this contract they shall immediately cease work under this contract and notify the Lincoln County Forestry Department.
- b. The Applicator shall treat all conifer stumps in areas requiring treatment by the end of each cutting day (within 24 hours of the tree being cut). For a perforated bar method of application, the maximum allowed gap between strips of fungicide/dye will be ¼ inch. All other types of fungicide application must have a total stump coverage of at least 90%.
- c. All conifer stumps in treated areas 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 Purchaser will provide the necessary fungicide and dye to carry out this contract requirement.
- 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.
- i. Applicator shall immediately provide the Lincoln County Forestry Department with notice of any leak or spill of chemicals.
- j. Applicator shall ensure performance of all applications to be safe, competent, and environmentally sound. Applicator shall use and maintain work procedures that will

safeguard the public, Lincoln County Forestry Department personnel, and Applicator's own personnel and which comply with all relevant federal and state laws.

- k. If HRD is discovered in the harvest unit prior to the completion of this sale, a harvest protocol of infected area(s) as outlined below shall be established and all harvest equipment must be cleaned of soil prior to leaving this harvest.

- (4) If HRD has been confirmed in the stand being harvested:

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

- a. The Purchaser will start the thinning/harvesting in the healthy stands or healthy parts of an infected stand, and move to infected areas only after healthy stands or parts of stands have been completed.
- b. Do not cut any dead trees. Leave dead trees infected with HRD 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 pressurized water prior to entering a new uninfected stand.