

## **Release\*** (Active ingredient - Triclopyr)

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### **Product**

A silvicultural herbicide for chemical stand tendings (basal bark) and control of deciduous woody plants and broadleaf weeds in Conifer release management areas.

Release\* is registered for use in forestry and woodland management areas. It is approved for controlling unwanted woody plants and weeds under specific conditions and at certain sites. Controlling this vegetation helps foresters grow and maintain a healthy supply of wood, and ensures the beneficial use of the forest by foresters, recreationalists and wildlife.

Release\* may be used for site preparation prior to planting crop trees; to release naturally regenerated or planted coniferous crop trees from competition; for thinning of established crop trees and for forest roadside vegetation control.

### **Release\* is:**

- selective
- non-soil active
- provides broad spectrum control

### **Release\* can help your program by:**

- extending treatment opportunities into dormant season, keeping crews busy year-round
- promotes wildlife habitat diversity
- allows you to manage desirable species
- prevents erosion
- product versatility -- you can select most appropriate application technique for your site
- provides sensitive-sites application

### **Product Description**

Release\* is a systemic herbicide for controlling unwanted woody plants and broadleaf weeds under specific conditions and at certain sites. Release\* is a for herbicides containing triclopyr as the active ingredient. Release\* contains 480g/L of triclopyr. The triclopyr in Release\* is an ester formulation that is readily soluble in an oil diluent such as mineral and vegetable oils and are essentially insoluble in water, however, when mixed with water an emulsion is formed. This allows for varied application methods to be used.

Release\* can be applied via the following methods: ground broadcast, aerial broadcast, basal bark, stump treatment or spot treatment.

Both foliage and stems of growing plants readily absorb Release\*. Factors impacting plant growth also impact herbicide effectiveness and good growing conditions for the plant coincide with increased weed and brush control once the herbicide has been applied. Triclopyr based products have been registered in the United States since the late 1970's

and in Canada, Release\* received registration in 1991.

### **How to Use**

When you need effective, highly selective control of trees and brush clumps, for regeneration conifer release or thinning, the best solutions are basal applications with Release\*.

### **Basal Bark**

Basal Bark treatments are a targeted application method. That means you greatly reduce the potential for spray drift than can harm susceptible crops and vegetation. Plus, these treatments have low impact on environmentally sensitive or erosion prone areas. And, because they can be used year-round, basal treatments help you employ your crews more efficiently.

Release\* is ideally suited to basal bark application. It readily penetrates the bark into the cambium layer of target plants and translocates throughout the plant system, even to the roots to prevent resprouting. It can be used any time, except when snow or water prevent spraying the treatment zone of target plants.

### **One-sided Low Volume**

This method is faster than a conventional volume basal bark treatment because spraying does not have to be as thorough. It uses a higher ratio of herbicide to diluent to give excellent control of woody plants with stems less than 15 centimeters in basal diameter.

Use a 20 to 30 percent solution. Spray the base of at least one side of each stem to thoroughly wet the lower 30 centimeters, including the root collar, but not to the point of runoff.

### **Streamline**

This is the fastest basal bark application method to control woody plants. It's especially appropriate for medium to high density sites where many stems are growing from the original plants. Best results are achieved on young, vigorously growing stems less than 8 centimeters in basal diameter.

Use a 20 to 30 percent solution and direct the spray 30 to 50 centimeters above ground level. For stems less than 8 centimeters in basal diameter, spray a band 5 centimeters wide on one side of each stem. With sufficient volume, the treated zone should widen to encircle the stem within 30 minutes. For larger stems, 8 to 15 centimeters in diameter, treat both sides.

### **Aerial Conifer Release**

Release\* applied aerially provides an effective prescription to release naturally regenerated or planted conifer crop trees from competition. Recent research has indicated that Release\* herbicide efficacy and results are directly related to coverage of the target vegetation. indications are that a minimum of 50 liters per hectare water carrier with conventional nozzles is required to ensure adequate coverage and thus target vegetation control.

Prescription and calibration details for aerial applications of Release\* will be the provided by Dow AgroSciences' representatives.

Release\* applied aerially is especially effective on hard to control species like maples, ash and birch, and offer an opportunity to increase the time of application window as early applications (before crop trees have hardened sufficiently for glyphosate applications) are possible.

Please contact your Dow AgroSciences representative on how to get the best results. As part of our ongoing support of the appropriate use and handling of our products, including Release\*, we are always open to feed back from you, our customers. For general information call the Dow AgroSciences Solutions Center at 1 (800) 667-3852.