

## Transline (Active ingredient - Clopyralid)

---

### Product

A herbicide for outstanding control of selective broadleaf weeds, especially Canada thistle in non-crop area, roadsides, rough turf area, and balsam fir Christmas Tree stands or plantations without injury to desirable grass species. Its non-volatile active ingredient stays where it is applied, so managers won't have to worry about off-target damage. Sensitive sites near agricultural operations are prime candidates for Transline\*.

Generally Transline\* is used to control vegetation for safety reasons. For example: controlling vegetation along utility rights of way, along railways and roadways. Transline\* can be used on military bases and around industrial manufacturing and storage sites to reduce fire hazard. It is also used on rangeland and pasture areas.

### Transline\* is:

- selective to most established grasses in permanent and other desirable vegetation (i.e., pines)
- non-volatile
- very effective on composite and legume species
- spot treatment

### Product Description

Transline\* is a systemic herbicide for controlling unwanted broadleaf weeds under specific conditions and at certain sites.

Transline\* provides outstanding control of the toughest broadleaf weeds without injury to desirable species. Perennial weeds like Canada thistle are the most difficult to control because they establish extensive root systems. The active ingredient, clopyralid, affects all parts of the plant including the root system. Sensitive sites near agricultural operations are prime candidates for Transline\*.

Transline\* is a selective herbicide allowing desirable vegetation such as grasses and most deciduous species to flourish. Transline\* contains 360 g/L of clopyralid as the active ingredient. Clopyralid belongs to the pyridine carboxylic acid family, commonly referred to as pyridines.

Foliage of growing plants readily absorb Transline\*. Factors impacting plant growth also impact herbicide effectiveness. Good growing conditions for the plant coincide with increased weed control once the herbicide has been applied.

The Dow Chemical Company discovered Clopyralid in 1961. Its initial launch in the United States was in 1975. Clopyralid was first registered in Canada in the mid-1980s as Lontrel, a herbicide used in western Canadian agriculture. Transline\* was registered in 1995 for use in the industrial vegetation market place.

### How to Use

Transline\* can be applied via the following methods: ground broadcast, backpack and spot treatment methods.

### **Spot treatments**

For individual stands of thistle, and other hard-to-control broadleaf weeds, applicators can make spot applications using a vehicle-mounted hand-gun sprayer or a backpack system. Transline\* works slowly and thoroughly to control weeds and minimize brownout. And Transline\* does not harm grasses, which help prevent erosion and slow down woody brush re-infestation, while improving both aesthetics and wildlife habitat.

### **Broadcast applications**

For widespread infestations of Canada thistle and other tough-to-manage broadleaf weeds, Transline\* can be broadcast using a Radiarc sprayer or other conventional systems. Again, Transline\* works only on broadleaf weeds without injuring grasses and other desirable woody plants including conifers. No other product offers this type of selectivity and convenience.

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 Transline\*, 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.