

## Outstanding weed control for increased grass production in pasture and rangeland.

Effective at low use rates, Restore\* provides control of weeds such as Canada thistle, scentless chamomile, buttercup and knapweed. Restore is part of a complete pasture management solution designed to increase grass production in pasture and rangeland by reducing weed competition.

### Weeds controlled

Restore, at the labeled rate of 15 ac/case, can be used to manage weeds including:

- Absinth wormwood
- Annual sow thistle
- Blue bur
- Blue lettuce
- Bull thistle
- Burdock
- Buttercup
- Canada thistle
- Cocklebur
- Common plantain
- Common tansy
- Curled dock (< 4 leaf)
- Dandelion
- Flixweed
- Goat's beard
- Gum weed
- Hawkweed
- Hoary cress
- Knapweed
- Peppergrass
- Perennial sow thistle
- Prickly lettuce
- Ragweeds
- Scentless chamomile
- Stinging nettle
- Sweet clover

*Refer to the product label for complete use directions.*

### Product description

Restore is a systemic, post emergence, broadleaf herbicide designed for the management of invasive species and broad spectrum, broadleaf weed control in rangeland and permanent grass pastures.

It contains an active ingredient, which is a Group 4 growth regulator herbicide, that provides an effective tool for managing difficult-to-control weeds.

### Guidelines for use

One case of Restore will treat 15 acres. Restore can be applied by ground or air. Apply in a minimum of 80 L/ac of water by ground or 20 L/ac of water by air. For backpack applications to small areas, create a 0.3% solution of Restore in water. For example, mix 5 ml of Restore A and 25 ml of Restore B with 10 L of water. Apply mixture to achieve total coverage of the target plants.

Most warm and cool season rangeland and pasture grasses are tolerant of Restore applications at the registered rate. Do not spray if injury to existing forage legumes cannot be tolerated. Do not apply Restore within the drip line of desirable trees, and take appropriate measures to prevent application or drift onto plants and trees that are not intended for control.

### Timing multiple species

Timing a broad range of weeds may be challenging since emergence and growth stages may occur at different times throughout the season. Keep the following in mind as you make your timing decision:

- Target your timing on the most problematic weed. For example, if your primary target is absinth wormwood, timing will likely be earlier (May 15 – June 15). If the primary target is Canada thistle, you need to wait long enough for the majority of the thistles to emerge (July 1 – July 30).
- Apply Restore when the primary target weed is most actively growing. If environmental stresses such as severe drought or extended periods of heat are inhibiting growth, this may decrease efficacy.
- Restore can only control weeds and root systems that get treated; if some weeds have not emerged at the time of application, these weeds will not have the same level of control as weeds that were fully emerged.

### Grazing restrictions

Restore is very safe. Other than a seven day restriction for lactating dairy cows, there are no grazing restrictions for livestock. Restore works like a natural growth-regulating hormone found only in plants and not found in livestock and wildlife. Mammals also do not metabolize Restore. When ingested, Restore is rapidly excreted from the body in the urine, and thus does not accumulate.

### Safety

Restore has low impact on the environment, based upon a combination of unique and improved features for the control of invasive weeds in rangeland and pastures compared to currently registered products. This low impact was confirmed through favorable data and risk assessments presented for toxicological, eco-toxicological and environmental fate effects.

### Results

Restore is absorbed by leaves and roots, translocating throughout the plant, causing the plants to die. Depending on the weed species, you can expect to see results within hours or days. Plant growth will stop within 24 – 48 hours after treatment. Most annual, susceptible weeds will be controlled within 4 to 8 weeks following application. A successful application of Restore will provide at least two years of improved grass production.