

## Product Data

# LIBERATOR 531

**Broadleaf Herbicide  
With Trimec®**

### Typical weed control problems:

- ✓ **Broadleaf weeds in grass and turf on lawns in and around sports facilities, nursing homes, schools, hospitals, and office buildings**
- ✓ **Safe elimination of broadleaf weeds from seedling grasses and 2,4-D sensitive grasses, such as St. Augustine, bentgrass and buffalo grass**
- ✓ **Weeds like dandelion, wild onion, ragweed, ground ivy, wild garlic, mustard, tansy mustard, cocklebur and others crowd out desired grasses**

### LIBERATOR 531... Performance in Action.

● **SELECTIVE FORMULATION.** LIBERATOR 531 is a broadleaf weed killer formulated for safe use on most turf grasses. It can be used on St. Augustine and other sensitive grasses.

**PERFORMANCE BENEFIT: Powerful selective kill formulation means less product is required to achieve maximum results.**

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● **QUICK APPLICATION.** LIBERATOR 531 mixes easily with water and proper application will kill broadleaf weeds growing at the time of spraying.

**PERFORMANCE BENEFIT: Prevents expensive corrective treatment.**

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● **EFFECTIVE ON LARGE OR SMALL AREAS.** LIBERATOR 531 is designed to be sprayed over large areas or as a spot treatment method of killing unsightly weeds. No hand weeding or other mechanical removal is necessary.

**PERFORMANCE BENEFIT: Multiple-use formulation reduces herbicide inventory.**

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## APPLICATIONS

LIBERATOR 531 with Trimec is a selective broadleaf herbicide for use on most turf grass lawns to kill noxious broadleaf weeds without injury to the grasses. This product is not for use on turf being grown for sale or for commercial seed production.

This product is especially effective against weeds such as Sheep Sorrel, Knotweed, Spotted Spurge, Chickweed, Oxalis and Henbit. In addition, it kills virtually all broadleaf weeds, some of which are listed here: BEDSTRAW, GALINSOGA, PEPPERGRASS, SPURGE, BLACK MEDIC, GROUND IVY, PIGWEED, VELVET LEAF, BUCKHORN, HAWKWEED, PLANTAINS, WILD CARROT, BULL THISTLE, HEAL-ALL, POISON IVY, WILD GARLIC, BURDOCK, HENBIT, POISON OAK, WILD LETTUCE, BUTTERCUP, KNOTWEED, PURSLANE, WILD ONION, CHICORY, LAMBSQUARTER, RAGWEED, YARROW, CHICKWEED, LESPEDEZA, SHEEP SORREL, CLOVER, MALLOW, SHEPHERD'S PURSE, COCKLEBURR, MORNING GLORY, SPEEDWELL, DANDELION, MUSTARD, TANSY MUSTARD, DOCK, OXALIS, THISTLE AND MANY MORE.

## DIRECTIONS

**HOW TO MIX:** 1. For use on St. Augustine grass, bentgrass and buffalo grass, mix 16 oz. in 2-4 gallons of water and uniformly spray 1,000 square feet (for example, an area 10 feet long and 100 feet wide). If necessary, repeat treatment. 2. For use on most other grasses, such as bermuda, bahia, bluegrass, centipede, fescue and rye, mix 20 oz. in 2-4 gallons of water and spray uniformly over 1,000 square feet. On hard-to-kill species, older weeds or under poor growing conditions, mix 32 oz. in 2-4 gallons of water and spray on 1,000 square feet with special attention to thorough coverage. 3. Limited to 2 applications per year. Minimum of 30 days between applications.

### ACTIVE INGREDIENTS:

Dimethylamine salt of 2, 4-dichlorophenoxyacetic acid ..... 0.60%  
Dimethylamine salt of 2-(2-methyl-4-chlorophenoxy) propionic acid ..... 1.04%  
Dimethylamine salt of Dicamba (3, 6-dichloro-o-anisic acid) ..... 0.25%  
**INERT INGREDIENTS** ..... 98.11%  
**TOTAL** ..... 100.00%

## TECHNICAL DATA

<b>Type:</b>	Water-based
<b>pH:</b>	9.0 - 10.0
<b>Specific Gravity:</b>	1.01
<b>Flammability:</b>	Non-flammable
<b>Dosage:</b>	See label
<b>Equipment:</b>	Poly-V-Sprayer

## APPROVALS

EPA Reg. No. 3862-145-13051



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