

2,4-D	GROUP	4	HERBICIDE
TRICLOPYR	GROUP	4	HERBICIDE
DICAMBA	GROUP	4	HERBICIDE
MCPA	GROUP	4	HERBICIDE



# TERRADEX™

Power Premix

**A Broad-Spectrum Herbicide for Control of Broadleaf Weeds in Listed Non-Cropland, Ornamental Turf Sites and Sod Farms.**



Active Ingredients:	% By Wt.
Dimethylamine salt of 2,4-Dichlorophenoxyacetic acid .....	30.89%
Dimethylamine salt of MCPA.....	8.23%
Triethylamine salt of Triclopyr.....	7.25%
Dimethylamine salt of Dicamba .....	2.77%
<b>Other Ingredients:</b> .....	<b>50.86%</b>
<b>Total:</b> .....	<b>100.00%</b>

**THIS PRODUCT CONTAINS:**

- 2.48 lbs 2,4-D acid equivalent per gallon or 25.67% by wt.
- 0.66 lbs MCPA acid equivalent per gallon or 6.83% by wt.
- 0.50 lb Triclopyr acid equivalent per gallon or 5.20% by wt.
- 0.22 lb dicamba acid equivalent per gallon or 2.30% by wt.

Isomer specific by AOAC Methods

EPA Reg. No. 89442-56-101563

EPA Est. No. 88746-MO-1

## KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside booklet for additional First Aid, Precautionary Statements, complete Directions For Use, & Storage And Disposal.

**D00000669**  
**DPM00000255A 231228AV1**  
**Net Contents:**  
**2.5 Gallons**

**Produced for**  
**Environmental Science U.S., LLC**  
**5000 CentreGreen Way, Suite 400**  
**Cary, NC 27513**

### FIRST AID

<b>IF IN EYES:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything to an unconscious person.</li></ul>
<b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage.	
<b>HOTLINE NUMBER</b>	
Have the product container or label with you when calling poison control center (1-800-222-1222) or doctor, or going for treatment. For 24-Hour Emergency Assistance spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING.** Causes substantial but temporary eye injury. Causes skin irritation. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### All Mixers, Loaders, Applicators, and Other Handlers Must Wear:

- Coveralls worn over short-sleeved shirt and short pants
- Chemical-resistant footwear plus socks
- Protective eyewear (goggles, face shield, or safety glasses)
- Chemical-resistant gloves made of: barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, polyethylene, polyvinyl chloride (PVC)  $\geq 14$  mils, or Viton  $\geq 14$  mils
- Chemical-resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

### ENGINEERING CONTROLS

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607(d-e)], the handler PPE requirements may be reduced or modified as specified in the WPS.

## USER SAFETY RECOMMENDATIONS

#### Users should:

- Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove and wash contaminated clothing before reuse.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates and aquatic plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

**Surface Water Advisory:** This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of MCPA from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

**Groundwater Advisory:** MCPA is known to leach through soil into groundwater under certain conditions as a result of label use. 2,4-D, dicamba, and triclopyr have properties and characteristics associated with chemicals detected in groundwater. The use of these chemicals in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

**Non-Target Organism Advisory:** This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

### PHYSICAL AND CHEMICAL HAZARDS

Do not mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.

# DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the **restricted entry interval (REI) of 48 hours**.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls worn over short-sleeved shirt and short pants
- Chemical-resistant footwear plus socks
- Chemical-resistant gloves made of: barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, polyethylene, polyvinyl chloride (PVC)  $\geq 14$  mils, and Viton  $\geq 14$  mils
- Chemical-resistant headgear for overhead exposure
- Protective eyewear (goggles, face shield, or safety glasses)

## NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard, 40 CFR Part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, and greenhouses.

Do not enter or allow others to enter the treated area until sprays have dried.

## RESISTANCE MANAGEMENT

For resistance management, **TERRADEX™ Power Premix** is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to **TERRADEX™ Power Premix** and other Group 4 herbicides. The resistant biotypes may dominate the weed population if Group 4 herbicides are used repeatedly in the same field. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of **TERRADEX™ Power Premix** or other Group 4 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout before and after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.

## MANDATORY SPRAY DRIFT MANAGEMENT

### Ground Boom Applications:

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to select the nozzle and pressure that deliver a medium or coarser droplet size (ASABE S572).
- Do not apply when wind speeds exceed 15 mph at the application site.
- Do not apply during temperature inversions.

### Boom-less Ground Sprayer Applications:

- Applicators are required to select the nozzle and pressure that deliver a medium or coarser droplet size (ASABE S572) on all applications.
- Do not apply when wind speeds exceed 15 mph at the application site.
- Do not apply during temperature inversions.

## SPRAY DRIFT MANAGEMENT

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.  
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

### IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

#### Controlling Droplet Size – Ground Boom

- **Volume** - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- **Pressure** - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- **Spray Nozzle** - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

When applying sprays that contain 2,4-D as the sole active ingredient, or when applying sprays that contain 2,4-D mixed with active ingredients that require a coarse or coarser spray, applying only as a coarse or coarser spray (ASABE S572).

When applying sprays that contain 2,4-D mixed with other active ingredients that require a medium or more fine spray, apply only as a medium or coarser spray (ASABE S572).

#### BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

#### SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

#### TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

#### TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

#### WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.  
Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, residential areas, bodies of water, known habitat for non-target species, non-target crops) within 250 feet downwind. If applying a medium spray, leave one swath unsprayed at the downwind edge of the treated field.

#### SUSCEPTIBLE PLANTS

Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use, or consumption. Susceptible crops include but are not limited to cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

#### Boomless Ground Applications:

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

#### Handheld Technology Applications:

Take precautions to minimize spray drift.

#### Equipment:

All ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

#### Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

## PRODUCT INFORMATION

This product is a selective post-emergence broadleaf herbicide. It contains four active ingredients to control listed annual and perennial broadleaf weeds in Kentucky bluegrass, annual bluegrass, annual ryegrass, perennial ryegrass, tall fescue, and red or fine leaf fescues, and dormant St. Augustine (common, Raleigh, and Seville varieties grown in TX, LA, MS only), centipedegrasses (TX, LA, MS only), hybrid bermudagrass, common bermudagrass, zoysiagrass and bahiagrass. This product is quickly absorbed into leaves and stems of target weeds and growth ceases within days. Weed control effects may be seen within a few days after application. The most noticeable symptom is bending and twisting of stems and leaves. Other symptoms progress from epinasty (curling of the meristematic regions) to leaves turning yellow, red, or purple, and finally to necrosis. Weed death occurs in 1-4 weeks after application, depending on the application rate, sensitivity of the target weed, and environmental conditions.

**This product offers**

- Excellent post-emergent activity with proven rapid and effective weed control performance for some of the toughest broadleaf weeds in turfgrass including: dandelion, spurge, and white clover.
- Improved cool-weather performance
- Rainfast in 4 hours

**Approved use sites**

This product can be applied to sod farms, ornamental turf sites (golf courses, lawns, residential and commercial properties), and non-crop areas such as airports. Thoroughly clean application equipment after use to avoid injury to sensitive plants.

**Fertilizer use**

This product can be mixed with some liquid fertilizers or liquid iron materials. Because liquid fertilizer and liquid iron differ in pH, free ammonia content, density, salt concentration, and percentage of water, a compatibility test is recommended prior to mixing in application equipment. All State and/or Federal regulations relating to the application of liquid fertilizers or liquid iron and this product must be strictly followed.

**BROADLEAF WEEDS CONTROLLED**

This product will control or suppress the following broadleaf weeds. Apply at anytime to the following emerged broadleaf weeds:

Aster, white heath & white prairie	Dock	Lespedeza	Ragweed
Bedstraw	Dogfennel	Mallow, common	Red sorrel (*sheep sorrel)
Beggarweed, creeping	English Daisy	Matchweed	Shepherd's purse
Bindweed	False dandelion	Mouseear chickweed	Speedwell (Veronica)
Black medic	(*spotted catsear & common catsear)	Mustard	Smart weed
BlackBerry	Field bindweed	Nettle	Spurge
Broadleaf plantain	(*morningglory & creeping jenny)	Old world diamond flower	Thistle Vetch
Buckhorn plantain	Field oxeye-daisy	Oxalis	Tropical Soda Apple
Bull thistle	(*creeping oxeye)	(*yellow woodsorrel & creeping woodsorrel)	Virginia buttonweed
Burdock, common	Flaree, whitestem & redstem	Parsley-piert	White clover (*Dutch clover, honeysuckle clover, white trefoil, & purplewort)
Buttercup, creeping	Florida betony	Pennsylvania smartweed	Wild carrot
Carpetweed	Florida pusley	Pepperweed	Wild garlic
Catnip	Ground ivy	Pigweed	Wild geranium
Chickweed	Groundsel	Pineappleweed	Wild lettuce
Chicory	Hawkweed	Plantain	Wild mustard
Cinquefoil	Heal-all	Poison ivy	Wild onion
Clover	Henbit	Poison oak	Wild strawberry
Curly dock	Innocence (Blue-eyed Mary)	Prickly lettuce (*compass plant)	Wild violet <sup>1</sup>
Dandelion	Knotweed	Puncturevine	Yarrow
Dayflower	Lambsquarters	Purple cudweed	Yellow rocket
Deadnettle	Lawn burweed	Purslane	

\* Synonyms

<sup>1</sup> For best results, apply in the Spring when wild violets are blooming or apply a late Fall application followed by a Spring application.

**USE RESTRICTIONS**

- Do not use this product on or near desirable plants including within the drip line of the roots of desirable trees and shrubs.
- Do not apply directly to or near water, storm drains, gutters, sewers, or drainage ditches.
- Do not apply by air.
- Do not apply within 25 feet of rivers, fish ponds, lakes, streams, reservoirs, marshes, estuaries, bays, and oceans. Do not apply when wind speeds exceed 10 mph.
- To prevent product runoff, do not overwater the treated area(s) or apply when raining or when rain is expected within 48 hours. Rinse applicator over lawn area only.
- This product is persistent and may be present in treated plant materials for over 30 days after application. Do not sell or transport treated plant materials or manure from animals that have grazed on treated plant materials off-site for compost distribution or for use as animal bedding/feed for 30 days after application.
- Animals that have been fed triclopyr treated forage must be fed forage free of triclopyr for at least 3 days before movement to an area where manure may be collected, or sensitive crops are grown.
- Do not spray on dichondra, nor on lawns or turf where desirable clovers are present.
- Except as noted, use only lawn-type sprayers. Coarser sprays are less likely to drift. Use medium or coarser spray droplets.
- Do not spray roots of ornamentals and trees.
- Do not apply to rights-of-way.
- Do not exceed specified dosages for any area; particularly within the drip line of trees and other species.
- Do not apply to newly seeded grasses until well established.
- Applications to non-cropland areas are not applicable to treatment of commercial timber or plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.
- Do not apply this product through any type of irrigation equipment.
- Do not use applications that produce fine mist.
- Do not use broadcast applications when air temperature exceeds 90°F.

- Do not apply using mist to vegetables, flowers, ornamentals, shrubs, trees, and other desirable plants. Do not pour spray solutions near these plants. Do not apply during excessively dry or hot periods unless irrigation is used. For optimum results, turf should not be mowed for 1 to 2 days before and after application, do not apply if rain is expected within 4 hours after the application, and delay irrigation cycle for 48 hours. Reseed no sooner than 3 to 4 weeks after application of this product. Failure to observe all precautions may result in injury to turf and/or susceptible plants.
- Do not apply more than 2 applications per year. Retreatment intervals can be found in the use-specific tables below.
- Do not apply more than 4 pints of product (2.48 lbs 2,4-D ae, 0.33 lb MCPA ae, 0.25 lb triclopyr ae, 0.11 lb dicamba ae) per application.
- Do not apply more than 8 pints of product (2.48 lbs 2,4-D ae, 0.66 lb MCPA ae, 0.5 lb triclopyr ae, 0.22 lb dicamba ae) per year.
- When used in combination with any of the active ingredients contained in this product, do not broadcast apply more than a combined total of 3.0 lb 2,4-D ae, 3.0 lb MCPA ae, 4.0 lb triclopyr ae, or 2.0 lb dicamba ae per acre per year when applying to ornamental turfgrass.
- When used in combination with any of the active ingredients contained in this product, do not broadcast apply more than a combined total of 4.0 lb 2,4-D ae, 3.0 lb MCPA ae, 4.0 lb triclopyr ae, or 2.0 lb dicamba ae per acre per year when applying to sod farms.
- When used in combination with any of the active ingredients contained in this product, do not broadcast apply more than a combined total of 4.0 lb 2,4-D ae, 3.0 lb MCPA ae, 9.0 lb triclopyr ae, or 2.0 lb dicamba ae per acre per year when applying to non-cropland areas, as described on this label.

#### USE PRECAUTIONS

- When using small spot treatment applications in temperatures over 90°F, turf injury may occur.
- When treating carpetgrass, avoid broadcast applications when air temperature exceeds 80°F. When air temperature exceeds 80°F, limit application to spot treatment only.

#### BROADCAST APPLICATION INSTRUCTIONS

Apply this product via ground application to broadleaf weeds that are young and actively growing for best results.

Fall applications provide control for emerged Winter annuals and perennials including henbit, chickweed, clover, and ground ivy.

#### Timing Factors Which Affect Weed Control

- Weed control is more effective when the daytime air temperature is above 50°F, soil moisture is adequate, and target weeds are young and actively growing.
- If dry conditions exist, irrigation 24 hours before and 48 hours after the application will increase weed control.
- Higher spray volumes may increase weed control during adverse conditions.

#### For Newly Seeded Areas

Delay application of this product to grass seedlings until after the second, or third, mowing.

#### For Newly Sodded, Sprigged, or Plugged Areas

The application of this product must be delayed until 3 to 4 weeks after the sodding, sprigging, or plugging operations.

#### Reseeding Interval

Treated areas may be reseeded 3 weeks after application.

#### Turfgrass Tolerance

- This product may injure certain turfgrass species. Do not apply to actively growing bahiagrass, bentgrass (greens and tees), bermudagrass, centipedegrass, St. Augustine grass, or zoysiagrass, unless turf injury can be tolerated
- Tolerant turf species listed on this label may exhibit temporary turf injury. The best tolerance occurs under optimal conditions for the turfgrass. Adverse environmental conditions may reduce the selectivity on the turfgrass. Injury may occur under marginal conditions (e.g., low temperatures and drought stress) or under extreme conditions (e.g., high temperatures and high humidity). To avoid turf injury, use only on turfgrass that is reasonably free of stress from diseases, insects, excess heat or cold, drought or excess rainfall/irrigation, shaded areas, low soil pH, nematodes, improper mowing or improper applications of fertilizer and pesticides.
- Certain spray tank additives (adjuvants, wetting agents, and surfactants), liquid fertilizers; and tank mixtures containing emulsifiable concentrates may reduce the selectivity on the turfgrass. Use adjuvants and spray additives or tank-mix combinations only when your experience indicates that the tank mixture will not result in objectionable turf injury. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions, limitations, and directions for use on all product labels involved in the tank mixture. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.
- Do not broadcast apply this product when temperatures are above 90°F; some injury can also be expected with spot treatments when air temperatures exceed 90°F.

#### Use rates and spray volumes

Generally, the lower application rates within the specified range will provide satisfactory control of sensitive weed species. The higher application rates within the specified range will be required for dense infestations of perennial weeds, for adverse/extreme environmental conditions, or for weeds hardened off or more mature.

**Table 1: Use Rates for Ornamental Turfgrasses, Sod Farms, and Non-Cropland**

Species	Rate	Spray Volume
<b>Cool-Season Turf</b>		
Kentucky Bluegrass, Annual Bluegrass, Annual Ryegrass, Perennial Ryegrass, Tall Fescue, Red or Fine Leaf Fescues	3.25 - 4 pts./A (1.2 - 1.5 fl. oz./1,000 sq. ft.)	10 - 220 gals./A (0.25 - 5.0 gals./1,000 sq. ft.)
<b>Warm-Season Turf (Dormant Application Only)</b>		
St. Augustine*, Centipedegrasses*, Hybrid Bermudagrass, common Bermudagrass, Zoysiagrass and Bahiagrass	2 - 2.25 pts./A (0.75 - 0.83 fl. oz./1,000 sq. ft.)	10 - 220 gals./A (0.25 - 5.0 gals./1,000 sq. ft.)

**Note:** Do not apply to above listed warm-season turfgrass unless turf injury can be tolerated. It is impossible to test all environmental conditions for the listed warm-season turfgrass. We suggest testing this product on a small area and observe the treated area for 30 days to determine the acceptability of turf discoloration.

Do not apply this product to warm-season turfgrass during Spring green-up or in the Fall during the transition period between active growth and dormancy.

\* For use in TX, LA, and MS ONLY

**Use Specific Restrictions**

Use Site	Maximum Rate per Application	Maximum Number of Applications / Year <sup>1</sup>	Minimum Interval Between Applications	Maximum Yearly Application Rate
Ornamental Turfgrass (golf courses, lawns, athletic fields, parks, residential and commercial properties, cemeteries)	4.0 pts./A (1.24 lb. 2,4-D ae/A) (0.33 lbs MCPA ae/A) (0.25 lb. triclopyr ae/A) (0.11 lb. dicamba ae/A)	2	28 Days	8.0 pts./A (2.48 lbs. 2,4-D ae/A) (0.66 lbs MCPA ae/A) (0.50 lb. triclopyr ae/A) (0.22 lb. dicamba ae/A)
Sod Farms	4.0 pts./A (1.24 lb. 2,4-D ae/A) (0.33 lbs MCPA ae/A) (0.25 lb. triclopyr ae/A) (0.11 lb. dicamba ae/A)	2	21 Days	8.0 pts./A (2.48 lbs. 2,4-D ae/A) (0.66 lbs MCPA ae/A) (0.50 lb. triclopyr ae/A) (0.22 lb. dicamba ae/A)
Non-Cropland (includes: fencerows, roadsides, industrial sites, airports)	4.0 pts./A (1.24 lb. 2,4-D ae/A) (0.33 lbs MCPA ae/A) (0.25 lb. triclopyr ae/A) (0.11 lb. dicamba ae/A)	2	30 days	8.0 pts./A (2.48 lbs. 2,4-D ae/A) (0.66 lbs MCPA ae/A) (0.50 lb. triclopyr ae/A) (0.22 lb. dicamba ae/A)

<sup>1</sup>Only 1 application per year of this product is permitted in New York state.

**SPOT APPLICATION INSTRUCTIONS**

(Hand operated sprayers including backpack and pump type sprayers only)

**Hand-Held Techniques:** Wands fitted with flat fan nozzle tips may be used with the appropriate technique. Flat fan nozzles must not be waved in a back-and-forth motion, or in a side-to-side motion, or in a swinging arm motion. Instead, the nozzle must be held stationary at the proper height. Side-to-side motion results in uneven coverage.

Apply follow-up spot applications as spot treatments at a 30-day interval for more mature weeds, for dense infestations, and for adverse environmental conditions. Do not apply more than 2 applications per year.

**For Cool-Season Turfgrass Listed in Table 1:** Mix 1.2 to 1.5 fl. oz. of this product per 1 gal. of water for treatment of approximately 1,000 sq. ft. of turfgrass. Apply any time the broadleaf weeds are emerged.

**For Warm-Season Turfgrass (Dormant Turf) Listed in Table 1:** Mix 0.75 to 0.83 fl. oz. of this product per 1 gal. of water for treatment of approximately 1,000 sq. ft. of turfgrass. Apply any time the broadleaf weeds are emerged.

**Irrigation**

- Do not apply this product immediately before rainfall or irrigation.
- Do not irrigate or water the treated area within 48 hours after application.
- If dry conditions exist, a scheduled irrigation or watering 24 hours before and 48 hours after application is advised.

**Mowing**

- Delay mowing 2 days before and until 2 days after the application of this product.

# STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

**Pesticide Storage:** Keep container tightly closed when not in use. Keep away from heat and flame. Do not store near seed, fertilizers, or foodstuffs. Can be stored at temperatures as low as minus 20°F. Keep away from heat and flame.

**Pesticide Disposal:** Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited.

**Container Handling [≥5 Gallons]:** Refillable container. Refill this container with pesticide only. Do not use this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

**Container Handling [≥5 Gallons]:** Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

## CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Environmental Science U.S., LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Environmental Science U.S., LLC and Seller harmless for any claims relating to such factors.

Environmental Science U.S., LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Environmental Science U.S., LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ENVIRONMENTAL SCIENCE U.S., LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither Environmental Science U.S., LLC nor Seller shall be liable for any incidental, consequential, or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ENVIRONMENTAL SCIENCE U.S., LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ENVIRONMENTAL SCIENCE U.S., LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Environmental Science U.S., LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Environmental Science U.S., LLC.

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AD122823









# TERRADEx™

## Power Premix

**A Broad-Spectrum Herbicide for Control of Broadleaf Weeds in Listed Non-Cropland, Ornamental Turf Sites and Sod Farms.**

Active Ingredients:	% By Wt.
Dimethylamine salt of 2,4-Dichlorophenoxyacetic acid .....	30.89%
Dimethylamine salt of MCPA .....	8.23%
Triethylamine salt of Triclopyr .....	7.25%
Dimethylamine salt of Dicamba .....	2.77%
<b>Other Ingredients:</b> .....	<b>50.86%</b>
<b>Total:</b> .....	<b>100.00%</b>

#### THIS PRODUCT CONTAINS:

- 2.48 lbs 2,4-D acid equivalent per gallon or 25.67% by wt.
- 0.66 lbs MCPA acid equivalent per gallon or 6.83% by wt.
- 0.50 lb Triclopyr acid equivalent per gallon or 5.20% by wt.
- 0.22 lb dicamba acid equivalent per gallon or 2.30% by wt.

Isomer specific by AOAC Methods

EPA Reg. No. 89442-56-101563

EPA Est. No. 88746-M0-1

## KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything to an unconscious person.</li> </ul>
<b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage.	
HOTLINE NUMBER	
Have the product container or label with you when calling poison control center (1-800-222-1222) or doctor, or going for treatment. For 24-Hour Emergency Assistance spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.	

**D00000669**  
**DPM00000255A 231228AV1**  
**Net Contents:**  
**2.5 Gallons**

AD122823

2,4-D	GROUP 4	HERBICIDE
TRICLOPYR	GROUP 4	HERBICIDE
DICAMBA	GROUP 4	HERBICIDE
MCPA	GROUP 4	HERBICIDE

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING.** Causes substantial but temporary eye injury. Causes skin irritation. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates and aquatic plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

### PHYSICAL AND CHEMICAL HAZARDS

Do not mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## STORAGE AND DISPOSAL

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See inside label booklet for additional Precautionary Statements and complete Directions for Use.

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Produced for  
**Environmental Science U.S., LLC**  
**5000 CentreGreen Way, Suite 400**  
**Cary, NC 27513**

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