

GROUPS

3 & 9

HERBICIDE

# ProDeuce®

Pre-Emergent And Post-Emergent Weed Control For Many Broadleaf Weeds And Grasses

**ACTIVE INGREDIENTS:**

Glyphosate, N-(phosphonomethyl) glycine, in the form of its isopropylamine salt* .....	40.15%
Prodiamine** .....	7.51%

<b>OTHER INGREDIENTS:</b> .....	52.34%
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<b>TOTAL:</b> .....	100.0%
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\*Contains 480 grams per liter or 4.0 pounds per U.S. gallon. Equivalent to 356 grams per liter or 2.97 pounds per U.S. gallon.

\*\*Equivalent to 90 grams per liter or 0.75 pounds per U.S. gallon (CAS # 29091-21-1).

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION / PRECAUCIÓN**

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 FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS**

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300.  
For Medical Emergencies Only, Call (877) 325-1840.

EPA REG. NO. 228-509

Manufactured for  
 Nufarm Americas Inc.  
 11901 S. Austin Avenue  
 Alsip, IL 60803



**Nufarm**

**Grow a better tomorrow.**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION / PRECAUCIÓN**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling.

**FIRST AID**

**IF IN EYES**

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

**ENVIRONMENTAL HAZARDS**

This product has low solubility in water. At the limits of solubility this product is not toxic to fish. However, at concentrations about the level of water solubility it may be toxic to fish.

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 from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment wash water or rinsate.

**PHYSICAL OR CHEMICAL HAZARDS**

Spray solutions of this product should be mixed, stored and applied using only stainless steel, aluminum, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT, OR SPRAY SOLUTIONS OF THIS PRODUCT, IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

Stay off treated areas until sprays have dried. Precautions should be taken to prevent tracking product after application onto desirable grasses.

**SHAKE WELL BEFORE USING.**

**PRODUCT INFORMATION**

**WHERE TO USE**

Apply this product to both established weeds and weed-prone areas where weeds have not yet emerged.

- on cracks and crevices in driveways, sidewalks, walkways, and patios
- along fences, foundations, curbs, retaining walls, and edges of lawns
- around the base or in mulched beds of well-established (at least 6 months old) plants, shrubs or trees
- on gravel areas

**HOW THIS PRODUCT WORKS**

Important: To prevent new weeds and grasses from growing you must spray the entire area you want to control, not just the emerged weeds.

This product works two ways:

1. One ingredient enters the plants through foliage and moves systemically to the roots, killing many weeds by stopping the production of a substance found in plants. Weeds begin to yellow and wilt in a matter of days with complete kill of many weeds in 1 to 2 weeks.
2. The other ingredient provides a herbicidal barrier in the soil preventing growth and development of newly germinated weeds.

**USE RESTRICTIONS**

- **DO NOT** spray desirable plants.
- **DO NOT** use in lawns or for lawn renovations as this product prevents desirable grass establishment.
- **DO NOT** use for vegetable garden preparations or in and around fruits and vegetables.
- **DO NOT** spray around ornamental plants or in an area that will be planted or seeded for 6 months after application when applying at the 3 fluid ounces per 1,000 square feet use rate.
- If applying at or less than the 3 fluid ounces per 1,000 square feet rate DO NOT retreat for a minimum of 30 days following application.
- **DO NOT** spray around ornamental plants or in an area that will be planted or seeded for 12 months after application when applying at the 5.75 fluid ounces per 1,000 square feet use rate.
- **DO NOT** apply more than 5.75 fluid ounces per 1,000 square feet per application

- **DO NOT** apply more than 5.75 fluid ounces per 1,000 square feet. per year (12-month period).
- **DO NOT** apply through any type of irrigation system.
- **DO NOT** apply by air.

## APPLICATION

### When to Apply

Spray when air is calm to prevent drift to desirable plants. For best results, apply during warm, sunny weather (above 60°F).

## WEEDS CONTROLLED

### Pre-Emergent:

When used as directed, this product will prevent the following weeds from emerging:

Barnyardgrass	Henbit <sup>1</sup>	Purslane, common
Bluegrass, annual (Poa annual) <sup>1</sup>	Itchgrass	Pusley, Florida
Carpetweed	Johnsongrass (from seed)	Rescuegrass <sup>2</sup>
Chickweed, common <sup>2</sup>	Junglerice	Shepherdspurse <sup>1</sup>
Chickweed, mouse-ear (from seed)	Knotweed <sup>1</sup>	Signalgrass, broadleaf
Crabgrass (large, smooth)	Kochia	Speedwell, Persian
Crowfootgrass	Lambsquarters, common	Sprangletop
Cupgrass, woolly	Lovegrass	Spurge, prostrate
Foxtails, annual	Panicum, (Texas, fall, browntop)	Witch grass
Goosegrass	Pigweed	Woodsorrel, yellow (from seed)

<sup>1</sup> To control this weed in nonturf areas, apply this product in late summer, fall, or winter before weeds germinate.

<sup>2</sup> Suppression only.

### Post-Emergent:

## ANNUAL WEEDS

Barley	Goatgrass, jointed	Rice, red
Barnyardgrass	Goosegrass	Rocket, London
Bluegrass, annual	Groundsel, common	Rye
Bluegrass, bulbous	Henbit	Ryegrass, Italian
Brome, downy	Horseweed / Mare's Tail	Shattercane
Buttercup	Lambsquarters, common	Shepherdspurse
Cheat	Mustard, blue	Sicklepod
Chickweed, common	Mustard, tansy	Signalgrass, broadleaf
Chickweed, mouseear (from seed)	Mustard, tumble	Spanishneedles
Cocklebur	Mustard, wild	Sprangletop
Corn	Oats, wild	Spurge, annual
Crabgrass	Panicum, fall	Spurry, umbrella
Dwarf dandelion	Panicum, Texas	Stinkgrass
False flax, smallweed	Pennycress, field	Teaweed
Filaree	Pigweed, redroot	Wheat
Foxtail	Pigweed, smooth	Witch grass
Foxtail, Carolina	Primrose, cutleaf evening	
Geranium, Carolina	Pusley, Florida	

## PERENNIAL WEEDS

Alfalfa  
Alligatorweed\*  
Anise (fennel)  
Artichoke, Jerusalem  
Bahigrass  
Bentgrass  
Bermudagrass  
Bermudagrass, water (knotgrass)  
Bindweed, field  
Bluegrass, Kentucky  
Bluegrass, Texas  
Brackenfern  
Bromegrass, smooth  
Bursage, woollyleaf  
Canarygrass, reed  
Cattail  
Clover, red  
Clover, white  
Cogongrass  
Dallisgrass  
Dandelion

Dock, curly  
Dogbane, hemp  
Fescue, tall  
Fescues  
Guinea grass  
Horsenettle  
Horseradish  
Ice plant  
Johnsongrass  
Johnsongrass, seedling  
Kikuyugrass  
Knapweed  
Lantana  
Lespedeza  
Milkweed  
Morningglory  
Muhly, wirestem  
Mullein, common  
Napiergrass  
Nightshade, silverleaf  
Nutsedge; purple, yellow

Orchardgrass  
Pampasgrass\*  
Paragrass  
Phragmites\*  
Poison hemlock  
Quackgrass  
Redvine\*  
Reed, giant  
Ryegrass, perennial  
Smartweed, swamp  
Spurge, leafy\*  
Starthistle, yellow  
Sweet potato, wild\*  
Thistle, artichoke  
Thistle, Canada  
Timothy  
Torpedograss\*  
Trumpetcreeper\*  
Vaseygrass  
Velvetgrass  
Wheatgrass, Western

\* Partial Control

**TANK SPRAYER** (plastic, aluminum, fiberglass, plastic-lined steel or stainless steel)

- Add 3 to 5.75 fluid ounces to 1 gallon of water and treat 1,000 sq. ft.
- For longer pre-emergent control and post-emergent control of larger weeds use the higher rate.

**Do not apply with a galvanized or unlined steel (except stainless steel) sprayer, or through any irrigation system.**

### HOW TO APPLY

Spray existing weeds AND the entire surrounding weed-prone area you want to keep free of weeds. Spray the area with sufficient volume to assure complete coverage. When spraying around the base of well-established (at least 6 months old) ornamental plants, shrubs, or trees, shield desirable plants from drift with a sheet of cardboard or plastic. Use caution to prevent application to green stems and leaves, damage can occur.

### WHEN TO REPLANT

All ornamental bedding plants, trees, shrubs, sod, and seed (flowers and grasses) may be planted 6 months after application when applying at the 3 fluid ounces per 1,000 square feet use rate or 12 months when applying at the 5.75 fluid ounces per 1,000 square feet use rate.

### HOW TO CLEAN SPRAYER

To clean sprayer after use, rinse sprayer and all sprayer parts with soap and water 3 times. Spray rinse water on bare soil or gravel. After cleaning, sprayer may be used for other products.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** STORE ABOVE 10°F (12°C) TO KEEP PRODUCT FROM CRYSTALLIZING. Crystals will settle to the bottom. If allowed to crystallize, place in a warm room 68°F (20°C) for several days to redissolve and shake or roll to mix well before using.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. **DO NOT** contaminate water, food or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. Dispose of excess or waste pesticide by use according to label directions, or contact your State pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration.

### WARRANTY DISCLAIMER

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