

# 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%

**OTHER INGREDIENTS:** . . . . . 52.34%

**TOTAL:** . . . . . 100.00%

\*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).



STATE OF HAWAII  
Department of Agriculture

**ACCEPTED**  
LICENSE NO. **9805.80**

## 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  
EPA Est. 62171-MS-001

**Net Contents**  
**64 Fl.Oz.**  
**(1.89 L)**

Manufactured for  
Nufarm Americas Inc.  
150 Harvester Drive  
Burr Ridge, IL 60527



**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**

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 fl. oz. per 1,000 sq. ft. use rate.
- **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 fl. oz. per 1,000 sq. ft. use rate.

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

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

<sup>2</sup> Suppression only.

**Post-Emergent:****ANNUAL WEEDS**

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

**PERENNIAL WEEDS**

Alfalfa	Knapweed
Alligatorweed*	Lantana
Anise (fennel)	Lespedeza
Artichoke, Jerusalem	Milkweed
Bahiagrass	Morningglory
Bentgrass	Muhly, wirestem
Bermudagrass	Mullein, common
Bermudagrass, water (knotgrass)	Napierrass
Bindweed, field	Nightshade, silverleaf
Bluegrass, Kentucky	Nutsedge; purple, yellow
Bluegrass, Texas	Orchardgrass
Brackenfern	Pampasgrass*
Bromegrass, smooth	Paragrass
Bursage, woollyleaf	Phragmites*
Canarygrass, reed	Poison hemlock
Cattail	Quackgrass
Clover, red	Redvine*
Clover, white	Reed, giant
Cogongrass	Ryegrass, perennial
Dallisgrass	Smartweed, swamp
Dandelion	Spurge, leafy*
Dock, curly	Starthistle, yellow
Dogbane, hemp	Sweet potato, wild*
Fescue, tall	Thistle, artichoke
Fescues	Thistle, Canada
Guinea grass	Timothy
Horsenettle	Torpedograss*
Horseradish	Trumpetcreeper*
Ice plant	Vaseygrass
Johnsongrass	Velvetgrass
Johnsongrass, seedling	Wheatgrass, Western
Kikuyugrass	

\* 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 fl. oz. per 1,000 sq. ft. use rate or 12 months when applying at the 5.75 fl. oz. per 1,000 sq. ft. 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. Do not burn unless allowed by state and local ordinance. If burned stay out of smoke.

**WARRANTY DISCLAIMER**

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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