



Professional Turf™ Products

# 0.48% Barricade® on DG PRO®

## • Pre-emergent Weed Control For Lawns & Landscape Ornamentals

For preemergence control of grass and broadleaf weeds in established turf grasses (excluding golf course putting greens), lawns and sod farms, container and field grown ornamentals, landscape ornamentals, conifer and hardwood seedling nurseries, established perennial and wildflower plantings, non-crop areas on or surrounding managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways and equipment yards), facilities including substations, tankfarms, pumping stations, parking and storage areas, ungrazed fencerows, and Christmas tree farms.

ACTIVE INGREDIENT: Prodiamine\* 0.48%
OTHER INGREDIENTS: 99.52%
Total: 100.00%
\*(CAS No. 29091-21-2)
EPA Reg. No. 9198-214
EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A
Underlined letter is first letter used in run code.

### KEEP OUT OF REACH OF CHILDREN CAUTION PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### Personal Protective Equipment (PPE)

- WPS USES:
Applicators and other handlers:
• Long sleeved shirt and long pants
• Waterproof gloves
• Shoes plus socks

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

- NON-WPS USES:
Mixers and loaders who handles this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) - in general, only agricultural-plant uses are covered by the WPS - must wear:
• Chemical-resistant gloves

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

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 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations:
Users should:
• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
• Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing
• After handling this product, immediately wash the outside of gloves before removing them, then remove gloves and all other PPE. Immediately wash thoroughly and change into clean clothing.

FIRST AID
If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contacts, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-757-8951 for emergency medical treatment information.

Environmental Hazards
This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water or to areas where surface water is present or to intertidal areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters or rinsate.

If material is spilled, contain and sweep up material of spill for disposal or reuse per label instructions. Wash cleanup equipment to prevent contamination elsewhere. Excess quantities above normal application rates could result in damage to plants subject to spill. Water-in remainder, disc under or cover with layer of soil, or leave exposed to sunlight, as deemed appropriate to the situation.

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 with the Workers 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 12 hours.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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
• Waterproof gloves
• Shoes plus socks

Net Wt. 18 lbs. (8.16kg)

NON-AGRICULTURAL USE REQUIREMENTS
The requirements in this box apply to use of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The Worker Protection Standard applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried or dusts have settled.

PRODUCT INFORMATION
This product is a preemergence herbicide that provides residual control of many grass and broadleaf weeds in established turf grasses (excluding golf course putting greens), lawns, sod farms, container, field grown and landscape ornamentals, established perennial & wildflower plantings, non-crop areas on or surrounding managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways & equipment yards), facilities including substations, tankfarms, pumping stations, parking & storage areas, ungrazed fencerows, plants grown for cut foliage production and Christmas tree farms.

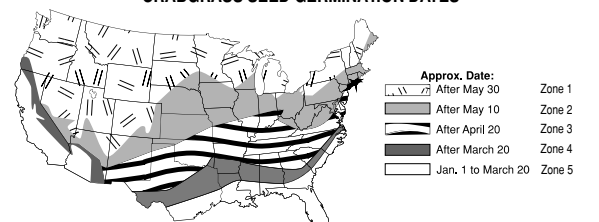
This product controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation, or with shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application.

Do not graze or feed livestock forage cut from areas treated with this product. Do not apply this product through any type of irrigation system unless otherwise instructed by this label. Do not apply to golf course putting greens. Do not apply aerially.

APPLICATION DIRECTIONS
Apply uniformly through suitable, calibrated application equipment.

ESTABLISHED TURF
Golf courses (except putting greens), lawns, parks, athletic fields and sod farms.

Apply this product in the early spring prior to crabgrass emergence. All applications must be made prior to germination of the target weeds. This product will not control established weeds. See the map below for approximate crabgrass seed germination dates. For more effective control in Zones 4 and 5, use a higher rate or make a second application, if recommended for your turfgrass species.



Weeds Controlled
When used at the recommended rates this product will control:

- Barnyardgrass, Bluegrass, Annual (Poa annua), Carpetweed, Chickweed, Common, Chickweed, Mouseear (from seed), Crabgrass (Large, Smooth), Crowfootgrass, Cupgrass, Woolly, Foxtails, Annual, Goosegrass, Henbit, Itchgrass, Johnsongrass (from seed), Junglerice, Knotweed, Kochia, Lambsquarter, Common, Lovegrass, Oxalis, Panicum (Texas, Fall, Browntop), Pigweed, Purslane, Common, Pusley, Florida, Rescuegrass, Shepherd's Purse, Signalgrass, Broadleaf, Speedwell, Persian, Sprangletop, Spurge, Prostrate, Witchgrass, Woodsorrel, Yellow (from seed)

\*In areas where Poa annua is a winter annual, apply this product in August or September to established, non-overseeded turf before Poa annua seeds germinate. This timing is approximate. For specific timing for your area, contact your local State Extension Service.

\*Fall Applications for Spring Crabgrass Control in Cool-Season turfgrasses: In areas where the ground freezes in the winter, apply this product in the fall after the soil temperature is below 50°F, but before the ground freezes to control crabgrass the following spring.

\*In many areas a single application will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, make a second application after 60 to 90 days (if recommended for your turfgrass species)

\*Suppression only.

Table with 3 columns: Turfgrass Species, Application Schedule, Application Rate. Rows include Bermudagrass, Bahiagrass, Centipedegrass, Kikuyugrass, Seahorse Paspalum, St. Augustinegrass, Tall Fescue, Zoysiagrass, Buffalograss, Kentucky Bluegrass, Perennial Ryegrass, Fine Fescue, and Creeping Bentgrass.

\*A second application may be necessary due to heavy weed pressure or extended growing season.
\*Do not apply this product to Creeping Bentgrass mowed to less than 0.5 inch in height.

In areas of high weed pressure or with extended growing seasons, a second application 60-90 days after the initial application may be made. Do not make a second application to Fine Fescue and Creeping Bentgrass. Do not make a second application if using the high rate on Buffalograss, Kentucky Bluegrass or Perennial Ryegrass.

Do not make more than 2 applications per year. Do not apply more than 7.2 lbs. /1,000/ sq. ft. per year.

Most effective weed control in turf grasses will be obtained when this product is activated by at least 0.2 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application.

When to Apply After Overseeding Turf
Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seeding secondary roots are in the second inch of soil, not thatch plus soil.

When to Overseed After Application - All States\*
This product will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

Table with 2 main columns: The Andersons Professional Turf Products 0.48% Barricade on DG Pro (Lbs/1,000 sq. ft., Lbs./A, ai/A) and Interval Before Overseeding (North, Transition, South).

\* Note: In AZ, CA, NV and TX, the overseeding interval can be shorter in established bermudagrass that has been overseeded with perennial ryegrass. See the next section "Poa annua Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only)".

Poa annua Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only)
Use on golf courses (excluding golf course putting greens) and lawns when overseeding with perennial ryegrass (minimum seed rate of 350 lbs./A).

Table with 4 columns: Amount to Apply (Lbs/Acre, Lbs/1,000), When to Apply, Expected Control. Includes Use Precautions section with 5 numbered items.

Use Precautions and Restrictions
The following precautions apply to the use of this product in turf grasses and lawns:

- Application of this product may thin emerged annual bluegrass and newly over seeded grasses.
• Do not apply to over seeded turf within 60 days after seeding or until after the second mowing, whichever is longer.
• Injury to desirable seedlings is likely if this product is applied before seeding secondary roots are in the second inch of soil, not thatch plus soil.
• Do not cut (harvest) treated sod before 120 days after application. Do not apply to newly set sod until the following year.
• Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury.
• Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.
• Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass, or annual bluegrass (Poa annua) are desirable species.
• Do not apply to golf course putting greens.

Table with columns: SPREADER SETTINGS (3.1 Rate, 3.6 Rate, 4.8 Rate, 7.2 Rate), SPREADER, GROUND SPEED, WIDTH OF COVEREAGE. Includes notes on calibration and application rates.

Note: These spreader settings were established using standard equipment available from the spreader manufacturer at swath widths and speeds typically used within the industry. Calibrate all spreader equipment at the time of application to achieve the desired application rate.

CONTAINER, FIELD GROWN AND LANDSCAPE ORNAMENTALS
THIS PRODUCT MAY BE APPLIED FOR RESIDUAL PREEMERGENCE WEED CONTROL IN ORNAMENTALS (INCLUDING ESTABLISHED PERENNIAL AND WILDFLOWER PLANTINGS AND CHRISTMAS TREE FARMS).

Use Rates
Apply this product at 3.1 to 7.2 lbs./1,000 sq. ft. (135 to 313 lbs./A) in fall and/or spring. Use higher rate of application for longer control periods. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rate of 7.2 lbs./1,000 sq. ft. (313 lbs./ acre ft.).

Application Timing and Information
This product is a preemergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation, or with shallow (1 to 2 inch) mechanical incorporation, prior to weed seed germination and within 14 days following application.

Best weed control is obtained when this product is applied to soil free of clods, weeds and debris such as leaves and mulch. Prior to application of this product, control existing vegetation by hand weeding, cultivation or the use of an appropriate postemergence herbicide.

Apply this product to dry foliage only. Overhead irrigation or rainfall soon after application will wash granules off plant foliage and activate this product in the soil.

Established Container, Field Nursery Stock or Landscape Plants
Apply this product at any time to established container or field nursery stock. It may be applied as a broadcast or over the top application.

Newly Transplanted Container or Field Nursery Stock
This product may be applied to newly transplanted container or field nursery stock, after the soil is allowed to settle and has been thoroughly watered. For cuttings, apply after the cuttings form roots and become established. Apply this product before budding/grafting or after the buds/grafts have taken. This is to avoid any inhibition of the tissue union.

Shadehouses and Uncovered Polyhouses
This product may be used in shadehouses and uncovered polyhouses, as well as outdoor locations. Keep the covered polyhouse open for at least 7 days and 2 irrigations that total a minimum of 0.5 inch of water after the application.

Bare Ground Applications for Container Placement
This product may be applied to the soil, mulch, gravel, wood chips or other permeable base on which containerized ornamentals are located. After application, perform shallow cultivation or hand weeding only, minimizing exposure of untreated soil.

Tolerant Ornamental Species
This product will not harm most trees, shrubs, vines, and flowers. The species listed below in Table 1 are tolerant to this product. This product is approved for application to the species listed in Table 2, except in California. Best results will be obtained when this product is uniformly applied to the soil surface. This product may be applied over the top of these species.

When plants are under stress (such as heat, drought, or frost damage) some cultivars of listed plants may be sensitive to this product.



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The Andersons Pro Turf Barr...ontrol (up to 10,000 sq ft.)
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