



Andersons®

PROFESSIONAL TURF PRODUCTS

0.48% BARRICADE® ON DG PRO®





## PRE-EMERGENT WEED CONTROL

FOR LAWNS & LANDSCAPE ORNAMENTALS



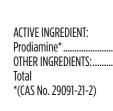
**Dispersing Granule Technology** 



Controls over 30 grassy and broadleaf weeds



Small particle formulation provides more particles per square inch



EPA Est. No. 9198-0H-1<u>M</u>, 9198-0H-2<u>B</u>, 9198-AL-001<u>A</u>, Underlined letter is first letter used in run code.

KEEP OUT OF REACH OF CHILDREN PRECAUTIONARY STATEMENTS AND FIRST AID

NET WEIGHT 50.00 LBS (22.68 KG) COVERS UP TO 16,100 SQ. FT.

#### PROFESSIONAL TURF PRODUCTS

# The PROFESSIONAL TURF PRODUCTS Andersons O.48% BARRICADE® ON DG PRO®

## PRECAUTIONARY STATEMENTS

and hot water. Keep and wash all PPE separately from other laundry.

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  $clothing.\ Avoid\ breathing\ dust.\ Wash\ thoroughly\ with\ soap\ and\ water\ after\ handling.\ Prolonged\ or\ frequently\ repeated\ skin$ PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

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: 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.

Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified

## USER SAFETY RECOMMENDATIONS:

• 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. all other PPE. Immediately wash thoroughly and change into clean clothing.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contacts, if present, after the 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. swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an

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.

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. Aquatic Organism Advisory Statement: 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 waters. 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. Non-Target Organism Advisory Statement: 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

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

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 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.

contact with anything that has been treated, such as plants, soil, or water is:

Coveralls
 Waterproof gloves
 Shoes plus socks

until spray has dried or dusts have settled.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves

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.

#### For resistance management, this product is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas

To delay herbicide resistance take one or more of the following steps: • Rotate the use of this product or other Group 3 herbicides within a growing season sequence or among growing seasons with

different herbicide groups that control the same weeds in a field. 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 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

This product is a preemergence herbicide that provides residual control of many grass and broadleaf weeds in: • established turfgrasses (excluding golf course putting greens), lawn and sod nurseries • container, field-grown, and landscape ornamentals christmas tree farms

This product controls susceptible weeds by preventing growth and development of newly germinated weeds. Weed control is most effective when product is watered-in, within 2 weeks, by at least 0.5 inch of rainfall or irrigation.

#### ESTABLISHED TURF/LAWNS 1.) For best results this product must be applied prior to crabgrass germination. To determine the suitable timing for your specific region please consult the map below.

After April 20 January 1 to March 20

2.) Select a properly calibrated turf spreader and adjust the rate in accordance with the spreader settings listed below. Most established lawns can achieve season-long control of summer annual weeds at the low or medium rated listed below. For spreader models not located below, please refer to The Andersons website for further details.

SPREADER SETTINGS These suggested spreader settings are not intended to replace calibration. Calibrate your spreader before applying product. 50 lbs. treats 16,100 sq. ft. at 135 lbs. product/acre - (3.1 lbs/1,000 sq. ft. rate) 50 lbs. treats 13,800 sq. ft. at 156 lbs. product/acre - (3.5 lbs/1,000 sq. ft. rate) 50 lbs. treats 10,400 sq. ft. at 208 lbs. product/acre - (4.7 lbs/1,000 sq. ft. rate) 50 lbs. treats 6,900 sq. ft. at 312 lbs. product/acre - (7.1 lbs/1,000 sq. ft. rate) GROLIND WIDTH OF LOW RATE MEDIUM RATE HIGH RATE HEAVY RATE

SPREADER MODEL	GKUUND	COVERAGE	LUW KAIE	MEDIUM KAIE	10 lbs ai/A	1 F lbs ai
	SPEED	COVERAGE	0.65 lbs ai/A	0.57 lbs ai/A	1.0 lbs ai/A	1.5 lbs a
The Andersons Model 2000 / AccPro (cone 6); The Andersons 2000 SR / SR-2000 (cone 6); The Andersons LCO-1000	3 mph	11 feet	K 1/2	L	M 1/2	Р
The Andersons DI2020	3 mph	12 feet	K 1/2	L	M 1/2	Р
Scotts R-8 (cone 6)	3 mph	11 feet	J 1/2	K	L 3/4	0
Lesco 020093 (pattern 0.25)	3 mph	7 feet	D 1/2	E	E 3/4	G 1/2
Lesco 705698 (pattern 0.25)	3 mph	7 feet	11	12	13 1/2	17
Lely Models WTR, WFR, HR, 1250 (PTO at 450 rpm) Pattern III-C	4.5 mph	34 feet	5	5 1/4	61/4	7 1/4
Vicon (03 series)	4.5 mph	26 feet	22	24	28	36

Do not apply this product to creeping bentgrass mowed to less than 0.5 inches in height. FURTHER DETAILS ABOUT RATES OF APPLICATION

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. Depending on your turf type, please refer to the table below for the maximum amount of product that can be applied in a Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied. The low rate will provide 7 months of control and the medium rate will provide 8 months of control. Higher rates will control weed seeds longer but be careful as a longer residual will also hinder future over-seeding of desired turf species. Additionally, some species can be sensitive to dosage. Please refer to the maximum annual rates below.

This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly MAXIMUM APPLICATION RATE OF THIS PRODUCT PER CALENDAR YEAR BY TURF GRASS SPECIES<sup>1</sup> Lbs. Ai/A | Lbs. Product/A | Lbs. Product/1,000 sq. ft. Bermudagrass<sup>2</sup>, Bahiagrass, Centipedegrass, Seashore Paspalum, St. Augustinegrass, Tall Fescue (including 1.5 312 Buffalograss, Kentucky Bluegrass, Perennial Ryegrass 1.0 208

<sup>1</sup>These are the maximum rates per calendar year by species limitations. <sup>2</sup>May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 108 lb./acre or 2.4 lb./1,000 sq. ft. Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass and Rescuegrass due to reduced product rates Use higher rates of this product to achieve higher levels weed control for each turf type, but do not exceed the maximum application rates specified in the Maximum Annual Rates Table.

Spurge, Prostrate

Woodsorrel, Yellow (from seed)

WEEDS CONTROLLED When used at the recommended rates this product will control Bluegrass, Annual<sup>1</sup> (*Poa annua*)

Johnsongrass (from seed) Chickweed, Mouseear (from Crabgrass (Large, Smooth) Cupgrass, Woolly Panicum (Texas, Fall, Browntop) Foxtails, Annual

'In areas where Poa annua is a winter annual, apply this product in approximately August or September to established, non-overseeded turf <sup>2</sup>In many areas a single application of 3.1 to 7.1 lbs./1,000 sq.ft. (135-312 lbs./A) of this product will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 3.1 t 4.7 lbs./1,000 sq. ft. (135-208 lbs./A) followed after 60 to 90 days by a application at doses that would not exceed those given in the Maximum Application Rates Table. Do not exceed the maximum rate for turf grass species listed in the Maximum Application Rates Table above. <sup>3</sup>Applications for this weed should be made in late summer, fall, or winter prior to germination.

Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rates

Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to 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.

Lbs/1,000 sq. ft.	Lbs./A	ai/A	North	Transition	South
- / -				Hansiniii	Juli
2.3	104	0.50	4 mo.	4 mo.	4 mo.
3.1	135	0.66	5 mo.	4 mo.	4 mo.
3.5	156	0.74	6 mo.	5 mo.	5 mo.
3.8	166	0.80	-	6 mo.	6 mo.
4.7	208	1.00	-	7 mo.	7 mo.
5.4	237	1.14	-	-	9 mo
6.1	270	1.30	-	-	10 mo
7.1	312	1.50	-	-	12 mo

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 in	15./A).						
HOW MUCH A	AND WHEN TO	APPLY					
AMOUNT	TO APPLY	- WHEN TO APPLY	ENDECTED CONTROL		HCE DDECAUTIONS		
Lbs./Acre	Lbs/1,000		EXPECTED CONTROL		USE PRECAUTIONS		
78 - 135	1.8 - 3.1	6 to 8 weeks before ryegrass overseeding	One application for 70% or greater control of <i>Poa annua</i>	1.	Some seed mortality and temporary reduction root growth of new seedlings may occur To red the potential for seeding mortality, maintain a moist seed-bed with light, frequent irrigation.		
		Second application 4-8 weeks after over- seeding date or when perennial ryegrass roots are in the second	Second application should enhance the residual under normal weather conditions	2.	Make no more than 2 applications per year for this use, and do not exceed 4 lbs./l,000 sq. ft. (176 lbs./A) for these two applications for <i>Poa</i> <i>annua</i> control in ryegrass overseeded turf		
	inch of soil		3.	Do not make a second application if any injury the ryegrass is observed after the first applicati			
				4.	Do not make a second application unless the product was first applied before overseeding		

This product may be applied for residual preemergence weed control in ornamentals (including established perennial and Apply this product at 3.1 to 7.1 lbs./1,000 sq. ft. (135 to 312 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 7.1 lbs./1,000 sq. ft. (312 lbs./acres). 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 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. TOLFRANT ORNAMENTAL SPECIES ed over the top

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

· Do not apply to newly set sod until the following year.

bluegrass (*Poa annua*) are desirable species.

not thatch plus soil.

I ANDSCAPE ORNAMENTALS

wildflower plantings).

• Application of this product may thin emerged annual bluegrass and newly over seeded grasses.

herbicide barrier with cultural practices such as disking may result in reduced weed control.

• 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 seedling secondary roots are in the second inch of soil,

• Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury. Disturbing the

• Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass, or annual

		rubs, vines, and flowers. The species listed or coduct is uniformly applied to the soil surfac	
-	When plants are under stress (such as heat	, drought, or frost damage) some cultivars of	listed plants may be sensitive to the
1	Fir species** (Balsam, Fraser,	Hop Bush	Dragonhead; False; Vivid
1	Noble, etc.)	Coneflower, Purple; Magnus	Spruce species** (Colorado B
-	Abelia: Sherwood	Silverberry	Norway, ect.)
	Japanese Maple	Wintercreeper	Lily-of-the-Valley Shrub
1	Norway Maple	Japanese Spindle Tree (Evergreen	Calabrian Pine
	Yarrow: King Edward	Euonymus)	Canary Island Pine
4	Kiwi*	Spreading Euonymus	Firethorn
	Lily-of-the-Nile (African Lily)	Japanese Aralia	Bradford Pear spp.
_	Five-Leaf or Chocolate Vine	Border Forsythis	Oak, Shumard's Red
	Lady's Leek, Nodding Onion	Weeping Forsynthia	Oak species
	Japanese Anemone	Greenstem Forsythia	Indian Hawthorn
	Aquilegia: Red and gold	Galliaria, Blanket Flower: 'Goblin'	Yedda Hawthorn
	Vine Hill Manzanita	Gardenia, Cape-Jasmine; Radicans	Rhododendron (including Az
	Cape Weed	Siberian Iris; Cabernet	'Coral Bells'
	Wormwood; Silver Mound, Castle	Iris species**	'Delaware Valley White'
	Japanese Aucuba	Winter Jasmine	'Flame Creeper'
	Barberry	Chinese Juniper; Nick's Compact,	'Formosa'
	Aster: Bonny Blue, Purple Dome	Parsonil	'Girard Crimson'
	Lady Fern; Fern Lady	Shore Juniper; Blue Pacific	'George I. Tabor'
	Fibrous Begonia; Hardy Grandis	Parsoni	'Hino-crimson'
	Barberry	Creeping Juniper	'PJM'
	Wintergreen Barberry	Walnut*	'Roseum Elegans'
	Mentor Barberry	Shrimp Plant	Wakeiebisu
	Japanese Barberry	Crape Myrtle	White Gumbo
	Warty Barberry	Crape Myrtle; Tuscarora	Lady Bank's Rose
	Snowbank	Weeping Lantana	Rosemary*
1	Bougainvillea	Lavendar; Munstead	Black-Eyed Susan; Goldstrun
	Butterfly-Bush (Dwarf Blue); Royal Red	Edleweiss	Leatherleaf Fern
1	Japanese Boxwood	Chinese Privet; Variegata	Santolina
	Crimson Bottlebrush	Amur Privet	Saxifrage; Purple Dome
	Weeping Bottlebrush	Japanese Privet	Pincushion Flower
	Scotch Heather	Glossy Privet (Wax-Leaf)	Stonecrop; Ladakense, Drago
1	Tussock Bellflower; (White Clips)	Lily; Jazz	Spirea: Anthony Waterer

Big Blue Lillyturf; Turf, Silver Mound, Hottentot Fig (Ice Plant) Liriope, Variegated Cardinal Flower, Indian Pink Canada Hemlock Loosestrife: Modern Pink Coreopsis (Calliopsis); Early Sunrise Veronica Speedwell; Sunny Border Magnolia species\*\* American Dogwood Yaku Jima, Silberfeder Japanese Snowball Canary Island Viburnum

Narcissus species\*\* Bearberry Cotoneaster Rockspray Cotoneaster Trailing African Daisy White Trailing Ice Plant Dianthus, Madiden Pinks 'Zing' Frasier's Photinia (Redtip

\*Do not use on food producing trees, vines, or plants. \*\*Not for use on container growing plants.

This product may be applied to soil surfaces for preemergence control of many grass and broadleaf weeds in non-cropland areas on • 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 and storage areas and ungrazed fencerows 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

Arrowood Virburnum

Greater Periwinkle, Vinca

Old Fashioned Weigela

Common Periwinkle, Vinca

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	AND DISPOSAL ontaminate water, food, or feed by storage or disposal.
Storage:	Store in original container away from fertilizer, feed, or food stuffs and separated from other pesticides.
Pesticide disposal	Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste facility.
empty co	r <b>Disposal:</b> Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Compl ontainer into application equipment. Then dispose of empty bag or box in a sanitary landfill or at an incineral or, if allowed by state and local authorities, by burning locally. If burned, stay out of smoke.

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability: WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label

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