228-613-4_Bonide DuraTurf Crabgrass Preventer 24-0-8_20190111_218_4_.pdf

TRUSTED SINCE 1926

BONIDE®

DuraTurf™

CRABGRASS PREVENTER

with slow release (N) FERTILIZER

24-0-8

Slow-release nitrogen-helps provide extended feeding

Phosphate-free fertilizer

EARLY SPRING

PHASE 1

Goosegrass

Henbit

Johnson grass

Knotweed

Poa Annua

Foxtail

Purslane

Crabgrass

Speedwell

Chickweed

Barnyard Grass

Spurge

Prevents crabgrass and other listed grassy and broadleaf weeds

contains VITAL-X™ MICRONUTRIENTS

Contains iron for deep greening

Keep Out Of Reach Of Children

CAUTION-PRECAUCION

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 back panel for First Aid and additional Precautionary Statements)

Net Wt. LBS

ACTIVE INGREDIENT:		
Prodiamine	(CAS No. 29091-21-2)	0.28%
OTHER INGREDIENTS:		99.72%
TOTAL:		100.00%

EPA Est. No. 32802-MO-1(B), 59144-GA-1(A), 37351-CO-1(C), 8378-IN-1(D), 9404-FL-1(E), 35497-OR-1(H), 35512-FL-2(K), 49991-TX-2(Q), 4-NY-1

EPA Reg. No. 228-613-4

DIRECTIONS FOR USE

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

WHERE TO USE

This product is a selective preemergence herbicide that controls grasses and broadleaf weeds in:
- Established Turf Grasses (excluding golf course putting greens) and Lawns
- Landscape Ornamentals
- Established perennials and wildflower plantings

HOW THIS PRODUCT WORKS

This product controls susceptible weeds by inhibiting growth and development of newly germinated weed seed. Weed control is most effective when this product is activated with a minimum of 0.5 inches of rainfall or irrigation or by shallow incorporation 1 to 2 inches deep within 14 days of application and before weed seeds germinate.

USE PRECAUTIONS

Not for use on plants being grown for:
- Sale or other commercial uses
- Commercial seed production
- Research purposes
- Do not graze or feed livestock forage cut from areas treated with this product.
- Do not apply aerially.
- Do not apply to putting greens.
- Do not apply through any type of irrigation system.

Failure to follow the directions for use and precautions on this label may result in poor weed control, crop injury, or illegal residues.

WEEDS CONTROLLED

When used as directed in this label, this product will control the following weeds:

Barnyardgrass	Itchgrass	Rescuegrass[3]
Bluegrass, Annual (Poa annua)	Johnsongrass (from seed)	Shepherd's Purse[2]
Carpetweed	Knotweed	Signalgrass, Broadleaf
Chickweed, mouse ear (from seed)	Kochia	Speedwell, Persian
Crabgrass (large, smooth)	Lambsquarters, common	Sprangletop
Crowfootgrass	Lovegrass	Spurge, Prostrate
Cupgrass, Woolly	Panicum (Texas, Fall, Browntop)	Witchgrass
Foxtails, Annual	Pigweed	Woodsorrel, Yellow (from seed)
Goosegrass[1]	Purslane, common	
Henbit	Pusley, Florida	

[1]In many areas a single application of 5.3 lbs to 12.3 lbs of product/1,000 square feet will control goosegrass. Under heavy goosegrass pressure and/or extended growing season, the most effective weed control may be obtained by making an initial application of 5/3 lbs to 8.2 lbs of product/1,000 square feet followed by a second application 60 to 90 days later at doses that would not exceed the maximum annual rate for the turf grass species listed in the Maximum Annual Rate table.
[2]Applications for this weed should be made in late summer, fall, or winter prior to germination.
[3]Suppression only. Sequential application may be made so long as the total amount of product applied does not exceed the maximum annual application rates for each turf species. All applications must be made prior to germination of the weed seeds.

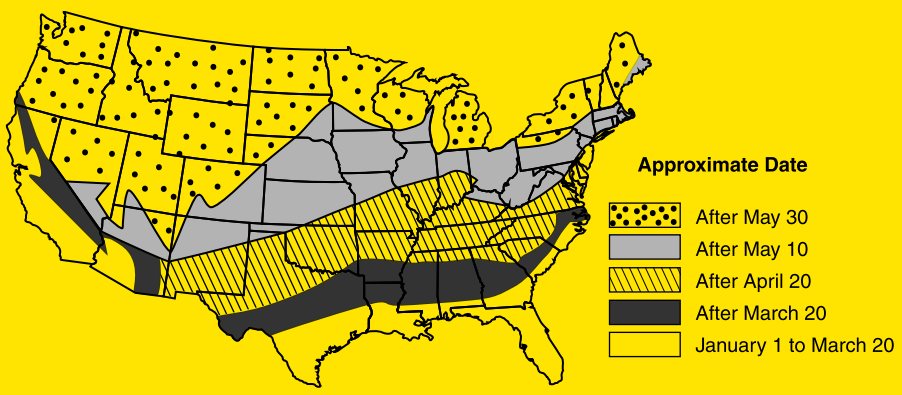
APPLICATION DIRECTIONS

Apply uniformly with suitable, calibrated application equipment.

ESTABLISHED TURF

This product is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turf grasses and lawns. The maximum amount of this product that may be applied per year is given for each turf grass species in the Maximum Annual Rate section of this label. Most effective weed control in turf grasses will be obtained when this product is activated by at least 0.5 inches of rainfall or irrigation prior to weed seed germination and within 14 days following application. The map below lists approximate crabgrass seed germination dates.

CRABGRASS SEED GERMINATION DATES



USE PRECAUTIONS FOR TURF GRASS AND LAWNS

- Application of this product may thin emerged annual bluegrass and newly overseeded grasses.
- 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 seedling secondary roots are in the 2nd 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.

RATES OF APPLICATION

This product may be applied as a single application or in two sequential applications 60-90 days apart to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds. Maximum use rate selection should be based on turf species. The length of time of residual weed control product is related to the rate applied. Do not make more than two (2) applications per calendar year.

Florida Applications: Apply at the rate of 3.2 pounds per 1,000 sq. ft. Do not exceed 2 applications per year.

SPREADER SETTINGS

Drop Spreader		Rotary Spreaders	
Scotts AccuGreen	6.5	Scotts Deluxe	5
Republic EZ #530	6	Republic EZ #540	3
Sears Drop	4	Earthway	11.5
Jonathan Green/Precision	1.5	Sears Rotary	5.5
		Jonathan Green/Precision	3.5

These spreader settings were established using standard equipment available from the spreader manufacturer at swath widths and speeds typically used within the industry. It is recommended that all spreader equipment be calibrated at the time of application to achieve the desired application rate.

MAXIMUM ANNUAL RATES

This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table.

Maximum Application Rate of this product/Calendar Year by Turf Grass Species ([1])	
	Lbs. Product/1,000 sq. ft.
Turf Species:	
Creeping Bentgrass	5.3
Creeping Red Fescue	6.1
Buffalograss Kentucky Bluegrass Perennial Ryegrass	8.2
Bermudagrass ([2]) Bahiagrass Centipedegrass Seashore Paspalum St. Augustinegrass Tall Fescue (including turf-type) Zoysia	12.3

[1]These are the maximum rate per calendar year by species limitations.
[2]May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 4.1 lbs of product/1,000 square feet. Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Only suppression of foxtail, goosegrass, and rescuegrass will be obtained due to reduced product rates used in sprigging situations.
Do not apply more than 12.3 lbs of product/1,000 square feet. per calendar year.
Use higher rates of this product to achieve higher levels of fertility and longer periods of weed control for each turf type, but do not exceed the maximum application rates specified in the Maximum Annual Rates Table.
Florida Applications: Do not exceed 6.4 pounds of product per 1,000 square feet per calendar year.

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 seedling secondary roots are in the second inch of soil, not thatch plus soil.

WHEN TO OVERSEED AFTER APPLICATION

This product will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the following table below for best overseeding/reseeding results.

Product Rate lbs/1,000 sq. ft.	Months Before Overseeding		
	North	Transition	South
4.1	4	4	4
5.3	5	4	4
6.1	6	5	5
6.6	-	6	6
8.2	-	7	7
9.3	-	-	9
10.7	-	-	10
12.3	-	-	12

LANDSCAPE ORNAMENTALS

Including Established Perennials and Wildflower Plantings
This product may be applied for residual preemergence weed control in ornamentals.

USE RATES AND WHEN TO APPLY

Apply in the fall and/or spring at 5.3 to 12.3 lbs of this product per 1,000 square feet of ornamental plantings. Use the higher rates of application for longer periods of control. Two sequential applications may be made 60-90 days apart as long as the total amount of product applied does not exceed the maximum annual application rate of 12.3 lbs per 1,000 square feet.

ESTABLISHED LANDSCAPE ORNAMENTALS

This product may be applied to established ornamentals as a broadcast over the top or directed application. Irrigation or rainfall soon after application will wash residues off plant foliage and activate it into the soil.

NEWLY TRANSPLANTED LANDSCAPE ORNAMENTALS

This product may be applied to newly transplanted ornamentals as a broadcast over the top or directed application. Delay application to allow soil to settle around new transplants and water thoroughly before applying this product. Apply after cuttings form roots and become established. Apply before budding/grafting or after buds/grafts have taken to avoid any inhibition of the tissue union.

HOW MUCH OF THIS PRODUCT AND WHEN TO APPLY - ORNAMENTALS
Product Rate lbs/1,000 sq ft
4.1
5.3
6.1
6.6
8.2
9.3
10.7
12.3

TOLERANT ORNAMENTAL SPECIES

This product will not harm most trees, shrubs, vines, and flowers. This product may be applied in all states to species listed below in Table 1. This product may be applied over the top of the listed species.
When plants are under stress (such as heat, drought, or frost damage), some cultivars of listed plants may be sensitive to this product

Common Name	Scientific Name	Common Name	Scientific Name
Almond, Apricot, Nectarine, Peach, Plum and Prune*	***Prunus spp.***	Japanese Boxcherry	***Syzygium paniculatum***
		Japanese Boxwood	***Buxus microphylla***
American Arborvitae	***Thuja occidentallis***	Japanese Holly	***Ilex crenata***
American Dogwood	***Cornus stolonifera***	Japanese Maple	***Acer palmatum***
Amur Privet	***Ligustrum amurense***	Japanese Privet	***Ligustrum japonicum***
Austrian Black Pine	***Pinus nigra***	Japanese Spindle Tree (Evergreen Euonymus)	***Euonymus japonica***
Barberry	***Berberis gladwynensis***		
Border Forsythia	***Forsythia intermedia***	Japanese Viburnum	***Viburnum japonicum***
Canada Hemlock	***Tsuga canadensis***	Japanese Yew	***Podocarpus macrophyllus***
Canary Island Viburnum	***Viburnum rigidum***	Leatherleaf Viburnum	***Viburnum wrightii***
Cape Weed	***Arctotheca calendula***	Loblolly Pine	***Pinus taeda***
Chinese Hibiscus**	***Hibiscus Rosasinensis***	Magnolia species**	***Magnolia*** spp.
Chinese Holly**	***Ilex cornuta***	Mondo GrassII	***Ophiopogon japonicus***
Chinese Juniper	***Juniperus chinensis***	Monterey Pine	***Pinus radiata***
Cotoneaster	***Cotoneaster buxifolius***	Narcissus species**	***Narcissus*** spp.
Crabapple*	***Malus spp.***	Norway Maple	***Acer platanoides***
Cranberry Bush	***Viburnum trilobium***	Old Fashioned Weigela	***Weigela florida***
Crape Myrtle	***Lagerstromia indica***	Oleander	***Nerium*** spp.
Creeping Juniper	***Juniperus horizontalis***	Pampas Grass	***Cortaderia selloana***
Douglas Fir**	***Pseudotsuga menziesii***	Red Oak	***Quercus rubra***
Dwarf Periwinkle	***Vinca minor***	Rose of Sharon**	***Hibiscus***
Eastern White Pine	***Pinus strobus***	Rosemary*	***Rosmarinus officinalis***
English Ivy	***Hedera heliz***	Scotch Pine	***Pinus sylvestris***
Firethorn	***Pyracantha fortuneana***	Silverberry	***Elaeagnus pungens***
Firethorn Scarlet	***Pyracantha coccinea***	Slash Pine	***Pinus elliottii***
Formosa	***Rhododendron (including Azalea)***	Spreading Euonymus	***Euonymus kiautschovicka***
Flowering Dogwood	***Cornus florida***	Star Jasmine	***Trachelospermum asiatum***
Fraiser's Photinia (Redtip)	***Photinia fraseri***	Spruce species** (Colorado Blue, Norway, etc.)	***Picea*** spp.
Gardenia, Cape Jasmine	***Gardenia jasminoides***		
Gladiolus species**	***Gladiolus spp.***	Sweet Viburnum	***Viburnum odoratissimum***
Glossy Privet (WaxLeaf)	***Ligustrum lucidum***	Tulip species	***Tulipa*** spp.
Greenstem Forsythia	***Forsythia viridissima***	Vinca	***Vinca major***
Hawthorne	***Crataegus spp.***	Vine Hill Manzanita	***Arctostaphylos densiflora***
Holly	***Ilex pernyi***	Virginia Pine	***Pinus virginiana***
Ice Plant	***Maleophora luteola***	Wild Lilac	***Ceanothus rigidus***
Indian Hawthorne	***Raphiolepsis indica***	Yaupon Holly	***Ilex vomitoria***
Iris species**	***Iris spp.***	Yew	***Taxus media***
Italian Cypress	***Cupressus sempervirens***	Yucca, Adam's Needle	***Yucca filamentosa***
Japanese Black Pine	***Pinus thunbergiana***		

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.
PESTICIDE STORAGE: Store in a cool, dry place. Keep container closed and away from food, feedstuffs, and domestic water supplies.
CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

FIRST AID

IF ON SKIN OR CLOTHING	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
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.
IF INHALED	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

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 1-800-858-7378 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION - PRECAUCION: Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Wear: Long-sleeved shirt and long pants, shoes plus socks, and chemical-resistant waterproof gloves. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

ENVIRONMENTAL HAZARDS

This product has low solubility in water. At the limits 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. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, Seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, Seller's liability or default, breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, Seller shall have no liability for consequential damages.

Guaranteed Analysis **24-0-8**

Total Nitrogen (N) 24.00%
24.00% Urea Nitrogen*
Soluble Potash (K_2O) 8.00%
Boron (B) 0.02%
Copper (Cu) 0.05%
0.05% Water Soluble Copper (Cu)
Iron (Fe) 1.00%
1.00% Water Soluble Iron (Fe)
Manganese (Mn) 0.05%
0.05% Water Soluble Manganese (Mn)
Molybdenum (Mo) 0.0005%
Zinc (Zn) 0.05%
0.05% Water Soluble Zinc (Zn)

Derived from: Urea, Polymer Coated Sulfur Coated Urea, Muriate of Potash, Copper Sulfate, Ferrous Sulfate, Manganese Sulfate, Zinc Sulfate, Sodium Borate, Sodium Molybdate

*4.80% Slowly Available Nitrogen from Polymer Coated-Sulfur Coated Urea.

F1290

CAUTION - Boron and molybdenum are recommended for all crops where boron and molybdenum may be deficient; however, excessive application to susceptible crops may cause damage. Crops high in molybdenum may be toxic to ruminant animals.

A lawn typically will utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed, this product will supplement your regular fertilizer program by providing 0.77 pounds of nitrogen per 1,000 square feet and herbicide to control listed weeds. Please consult your local extension office for questions regarding a regular fertilizer program.

Information concerning the raw materials composing this product can be obtained by writing to the Guarantor listed on this container, and referring to the batch number found on this container.

Information regarding the contents and levels of metals in this product is available on the internet at http://www.aapfco.org/metals.htm

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