62719-429-4_Bonide DuraTurf Crabgrass & Weed Preventer_20190111_212_4_.pdf

TRUSTED SINCE 1926

BONIDE®

DuraTurf™

CRABGRASS & WEED PREVENTER

FOR LAWNS & ORNAMENTAL BEDS

For Use on Cool Season & Warm Season Turf Grass

Treats up to 5,000 sq. ft.



SPRING

PHASE 1



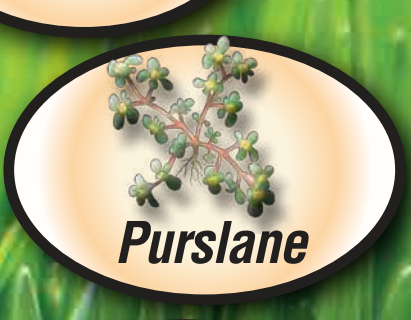






















Provides control of crabgrass and many other weeds, as listed, in established lawns and residential landscapes

Keep Out Of Reach Of Children

CAUTION

(See back of bag for additional Precautionary Statements)

Net Wt. 9.5 LBS (4.31 kg)

Contains

Dimension®

®Trademark of Dow AgroSciences LLC

ACTIVE INGREDIENT:

Dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester.....0.27%

OTHER INGREDIENTS:.....99.73%

TOTAL:.....100.00%

This product contains 0.135 pounds of active ingredient, dithiopyr, per 50 lb. bag

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) 49991-TX-2(Q) 4-NY-1

EPA Reg. No. 62719-429-4

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read all directions carefully before applying this product.

- **Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.**
- **Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.**
- **For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns.**

USE DIRECTIONS FOR TURF

This product, containing Dimension® herbicide, can be applied up to 4 weeks later than other crabgrass preventers and provides up to 4 months of crabgrass control.

This product provides preemergence control of crabgrass and control or suppression of other listed weeds when applied prior to their germination. In addition, this product provides postemergence control of seedling crabgrass after germination and emergence. Postemergence control is limited to crabgrass only, but is effective up to 4 weeks after crabgrass has germinated. This generally corresponds to the time when crabgrass seedlings first become visible in the established turfgrass. Do not apply this product later than 4 weeks after crabgrass germination.

Apply this product only to turfgrass species listed on this label. The following turfgrass species are tolerant to this product when applied as directed:

Cool-Season Grasses		Warm-Season Grasses		
Bentgrass, creeping	Fescue, tall	Bahiagrass	Carpetgrass	Zoysiagrass
Bluegrass, Kentucky	Ryegrass, perennial	Bermudagrass	Centipedegrass	
Fescue, fine		Buffalograss	St. Augustingrass	

Use Precautions for Turf

This product should be applied only to lawns and ornamental turfgrasses that are well established. For newly established lawns, initial application of this product should be made only after turfgrasses have developed a vigorous root system, uniform stand, and received at least two mowings following seeding, sodding, or sprigging. **Exception:** In newly established lawns of Kentucky bluegrass, perennial ryegrass and/or tall fescue, this product may be applied two weeks after the first sign of germination.

- Use of this product on lawns and ornamental turfgrasses that are not well established, or weakened by stress due to mechanical operations, pests, excessive temperatures, or lack of moisture may result in turfgrass injury.
- For best results, cultural practices that disturb the soil, such as core-, spike-, or hydro-aerification, and verticutting, should be done before application of this product. Do not apply this product until turfgrass has recovered from the mechanical injury caused by these cultural practices.
- **Reseeding, Overseeding, or Sprigging:** Reseeding, overseeding, or sprigging of areas treated with this product within 10 weeks after a single application of this product or within 16 weeks after a split application program totaling 4.3 lb/1000 sq ft (0.5 lb active ingredient per acre) or more may inhibit the establishment of desirable turfgrasses. When reseeding, overseeding follow proper cultural practices for seedbed preparation, seeding, irrigation and fertilization.

Other Use Precautions

- **Do not** use clippings from treated turf for mulching around vegetables or fruit trees.
- **Do not** allow people or pets to enter treated area until dust has settled.

APPLICATION TIMING

SPRING APPLICATION

Control of Crabgrass: This product provides preemergence control of crabgrass and control or suppression of other listed weeds when applied prior to their germination. In addition, this product provides postemergence control of seedling crabgrass after germination and emergence. Postemergence control is limited to crabgrass only and is effective up to 4 weeks after germination of crabgrass. This generally corresponds to the time when crabgrass seedlings are at the 3-leaf stage of growth and first become visible in the established turf. This product will not control crabgrass at later growth stages when crabgrass plants begin to tiller (spread). Properly timed applications will control existing crabgrass and prevent further emergence of crabgrass seedlings. Do not apply this product later than 4 weeks after crabgrass germination.

Control or Suppression of Other Grass and Broadleaf Weeds: For control or suppression of other grass and broadleaf weeds, this product must be applied as a **preventative** treatment prior to their germination and emergence. Only crabgrass will be controlled with applications made up to 4 weeks after weed germination.

FALL APPLICATION

This product can also be applied from late summer through early fall (late August through November). When applied in the fall, a sequential or second application of this product must be made the following spring to provide season-long control of crabgrass. If this product is applied in the fall, do not reseed, overseed or sprig turfgrasses within 12 weeks after application.

Tips for Improved Weed Control

- For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application.
- The turf herbicide in this product is not effective until activated by rainfall or irrigation. Performance is improved if application is followed by ½ inch of rainfall or sprinkler irrigation. Erratic weed control may result if not activated by rainfall or irrigation within 30 days after application.

WEEDS CONTROLLED OR SUPPRESSED

This product will provide control of crabgrass and control or suppression of other listed grass and broadleaf weeds when applied prior their germination.

Grasses

barley
barnyardgrass
bluegrass, annual
brome
crabgrass, large
crabgrass, smooth
crowfootgrass†
dallisgrass
goosegrass
foxtail, green
foxtail, yellow
kikuyugrass†
oats, wild
ryegrass (annual & perennial)
sandbur
smutgrass

Broadleaf Weeds

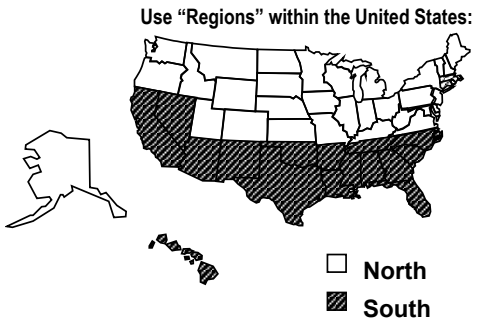
bittercress†
carpetweed
chickweed†
geranium, Carolina†
henbit
knotweed, prostrate
lespedeza, common†
marestail
medic, black
mustard
oxalis, buttercup
pineappleweed
pigweed, redroot
parsley-piert†
purslane, common
rocket, London
shepherdspurse
speedwell, corn†
spurge, garden
spurge, prostrate
spurge, spotted
woodsorrel, creeping
woodsorrel, yellow

†Suppression only

Length of Control

This product will provide up to 4 months of crabgrass control when applied according to label directions. The actual length of control will vary depending on use rate, weather conditions, condition of the turfgrass, intensity of weed pressure, and the location or "Region" within the United States where this product is being applied. **Refer to the map below to determine the region of the U.S. that includes your location.** Use the table below to determine the amount of this product to apply in your location based on the desired length of weed control or need for postemergence crabgrass control.

Use "Regions" within the United States:



Use Rates

Region of U.S.	Amount of this product to Apply (Pounds of product to apply per 1,000 square feet of turfgrass†)		
	---------- Length of Crabgrass Control ----------		
	2 - 3 months	3 - 4 months	Early Postemergence Control
North	1.1 lb/1000 sq ft	1.5 lb/1000 sq ft	1.9 - 4.3 lb/1000 sq ft††
South	1.6 lb/1000 sq ft	1.9 - 2.2 lb/1000 sq ft††	1.9 - 4.3 lb/1000 sq ft††

†1,000 square feet equals an area 100 x 10 feet or square area of about 32 feet on a side.
††Use the higher rate in rate range in areas of high weed pressure or for increased length of control.

Maximum Application Rates:

- **Do not** apply more than 4.3 lb of this product per 1,000 sq ft per application and no more than 12.9 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- In the state of New York, do not exceed 2.1 lb per 1000 sq ft per year of this product (equivalent to 0.25 lb of active ingredient per acre).

APPLICATION INSTRUCTIONS AND EQUIPMENT

This product may be applied with drop or rotary-type spreaders designed to apply granular herbicides. For best results, apply this product evenly and uniformly avoiding streaking, skips or overlaps. Avoid the use of spreaders that tend to apply granules in narrow rows or concentrated bands. Calibrate the spreader according to the manufacturer's directions. Initial spreader settings may require adjustment to deliver the recommended application rate under actual application conditions. The desired calibration setting may be marked or recorded for future reference. Apply this product uniformly over the treatment area. More uniformity of application can usually be achieved by applying one-half of the required amount of product over the treatment area and then applying the remaining one-half in a different direction (e.g., at a right angle to the previous direction). Avoid streaking, skips, or overlaps during application.

Check equipment frequently to verify calibration and proper functioning.

	Calibration Settings at Specified Rate (lb/1000 sq ft)			
Drop Spreader:	**1.1 lbs.**	**1.5 lbs.**	**1.9 lbs.**	**4.3 lbs.**
Scotts AccuGreen	4.5	5	5.5	9
Republic EZ #530	1.5	2	2.5	5
Sears Drop	3	3.5	4	6
Rotary Spreaders:				
Scotts Deluxe	3	3.5	5	8
Republic EZ #540	1	1.5	2	5
Earthway	6	7	8	10
Sears Rotary	1	1.5	2	5

USE DIRECTIONS FOR LANDSCAPE ORNAMENTALS

This product provides preemergence control or suppression of listed annual grass and broadleaf weeds in plantings of ornamental plants listed on this label. For application instructions and equipment, see Application Instructions and Equipment section.

USE RATES

Apply this product with a properly calibrated spreader or other means that will assure uniform distribution. This product may be applied as a single application or as a split application. Split or sequential applications may be used to provide improved weed control or to provide extended weed control in areas with long growing seasons. To make a split application, divide the rate in the following table into separate applications made 5-10 weeks apart. Sequential applications may be made in the late summer following a spring application or in the spring after a fall application, provided the maximum application rates per year given below are not exceeded.

Pounds of Product per 1000 Square Feet®	Pounds (Ounces) of Product per 100 Square Feet†
4.3	0.43 (6.9 oz)

†Rate based on an area of 100 sq ft for treatment of small areas.

Maximum Application rates:

- **Do not** apply more than 4.3 lb of this product per 1,000 sq ft per application and no more than 12.9 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- In the state of New York, do not exceed 2.1 lb per 1000 sq ft per year of this product (equivalent to 0.25 lb of active ingredient per acre).

APPLICATION TIMING AND RECOMMENDATIONS

This product is a preemergence herbicide that will not control established weeds. Make applications prior to weed seed germination. Bare ground or mulched areas may be treated. The best weed control is obtained when applied to soil that is free of clods, weeds and debris such as leaves. Prior to making an application, control existing vegetation by hand weeding, cultivation or with a postemergence herbicide. Avoid disturbance of treated areas. Loss of weed control may result if the treated soil surface is disturbed by soil mixing or tillage.

USE PRECAUTIONS

- Apply this product only to established ornamentals.
- **Do not** incorporate this product into soil. Dilution of active ingredient and possible injury to plant roots may occur.
- **Do not** apply to soil around ornamental plants that are under stress due to drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides or injury due to insects, nematoedes or disease.
- To avoid foliar damage to ornamentals, irrigate immediately after application to remove herbicide particles from the foliage.
- **Do not** apply under conditions that would affect product distribution. Wind could affect distribution and move product onto sensitive species. Uneven product distribution will result in uneven weed control.
- Do not apply another herbicide within 4 weeks of application of this product.
- Do not apply this product to bare roots of ornamental plants as injury may result. Following transplanting, care must be taken that soil or planting mixes have settled firmly through irrigation, rainfall or packing and that there are no cracks that would allow direct contact of this product to the plant roots or plant injury may occur.

Treatment of Ornamental species not listed on this label:
It is impossible to evaluate tolerance to this product on all ornamental species or varieties or under all growing condition. Users who wish to use this product on species not listed on this label may determine the suitability for use by treating a small number of plants at a specified rate under your growing conditions. Treated plants should be observed for any symptoms of herbicidal injury such as foliar damage, reduced vigor or stand reduction during 30 to 60 days of normal growing conditions to determine if the treatment is non-injurious.

WEEDS CONTROLLED OR SUPPRESSED

Used as directed, this product will control crabgrass and control or suppress other listed grass and broadleaf weeds when applied prior to their germination. **Refer to "Use Directions for Turf" section for a complete listing of weeds controlled or suppressed.** This product will not control established broadleaf weeds or grasses, except for crabgrass in early stages of development. The area to be treated should be free of weeds prior to application.

TOLERANT ORNAMENTALS

The Ornamentals listed below have shown tolerance to this product when applied according to label directions.

		Acceptable Application Method Noted by an (x)		Application to Field/Landscape or Container Grown Ornamentals Noted by an (x)	
Name	**Tolerant Cultivars**	**Over the Top**	**Directed**	**Container Grown**	**Field/Landscape Grown**
arborvitae *(Thuja occidentalis)*	nigra		x		x
	pyramidalis		x		x
	smaragh		x		x
	techny		x		x
	woodwardii		x		x
azalea *(Rhododendron spp.)*	brillant		x		x
	buccaneer		x		x
	carror		x		x
	chimes (Belgian)		x		x
	Elsie Lee		x		x
	exbury		x		x
	fashion		x		x
	hardijzer beauty		x		x
	hershey red		x		x
	higasa		x		x
	hinocrimson		x		x
	Holland (hybrid)		x		x
	Marion Lee		x		x
	northern lights		x		x
	orange cup		x		x
	orchid lights		x		x
	snow		x		x
	southern charm		x		x
begonia *(Begonia spp.)*			x		x
blackeyed Susan *(Rudbeckia hirta)*	goldstrum		x		x
boxwood *(Buxus microphylla)*	japonica		x		x
camellia *(Camellia japonica)*	debutante		x		x
	mathotiana supreme	x		x	
(Camellia sasanqua)	chansonette		x		x
	setsukgekka	x		x	
dogwood *(Cornus florida)*			x		x
Douglas fir *(Pseudotsuga menziesii)*			x		x
elm *(Ulmus parvifolia)*	drake		x		x
euonymus *(Euonymus japonicus)*	Argenteo-variegata		x		x
	Auereomarginata		x		x
	colorata		x		x
(Euonymus fortunei)	emerald gaiety		x		x
	emerald n' gold		x		x
	gold edge		x		x
	gold princess		x		x
	Manhattan	x	x	x	x
	silver king		x		x
	tricolor		x		x
	vegetus		x		x
gardenia *(Gardenia jasminoides)*	mystery		x		x
	radicans		x		x
	white gem	x	x	x	x
hawthorn *(Crateagus spp.)*	cockspur white		x		x
	crimson cloud		x		x
	enchantress		x		x
	Jack Evans		x		x
	Washington white		x		x
hawthorn, Indian *(Rhaphiolepsis indica)*	ballerina	x	x	x	x
hibiscus *(Hibiscus spp.)*	blue bird		x		x
	brilliant		x		x
	hula girl		x		x
holly *(Ilex x 'Nellie R. Stevens')*	Nellie R. Stevens	x	x	x	x
(Ilex x attenuata)	fosteri		x		x
	Savannah		x		x
holly, yaupon *(Ilex vomitoria)*			x		x
impatiens *(Impatiens spp.)*			x		x
iris *(Iris spp)*	dwarf blue		x		x
	wedgewood		x		x
ivy, English *(Hedera helix)*	Bulgaria		x		x
	thorndale		x		x
juniper *(Juniperus spp.)*	Arcadia, Armstron, bar harbor, blue chip, blue Pacific, blue rug, blue star, broadmoor, buffalo, calgary carpet, emerald sea, emerald spreader, endora compacta, fruitlandi, green, gold tip, hetzi, hughes, Manhattan blue, parsoni, pfitzeriana, plumosa, Prince of Wales, procumbens dwarf, Sna Jose, sargent blue, sargent green, scandia, scopulorum moonglow, spartan, tamariscifolia, weberi, Youngstown, Yukon belle		x		x
myrtle, crape *(Lagerstroemia indica)*	faurei		x		x
	langer		x		x
	muskogee		x		x
	standard pink		x		x
petunia *(Petunia x hybrida)*	picoti		x		x
photinia, red tip *(Photinia x fraseri)*			x		x
Pyracantha or firethorn *(Pricantha x 'Gnome')*	gnome		x		x
(Pyricantha coccinea) (Pyracantha koidzumii)	lalandei		x		x
	victory	x	x	x	x
Rhododendron *(Rhododendron spp)*	album		x		x
	Cunningham white		x		x
	PJM		x		x
	purple gem		x		x
	silvery pink		x		x
trumpet flower or Carolina Jessamine *(Gelsemium sempervirens)*			x		x
viburnum *(Viburnum spp.)*	American cranberry bush		x		x
	arrowood		x		x
	European cranberry bush		x		x
	linden		x		x
	Mohican		x		x
	wright		x		x
vinca (periwinkle) *(Vinca minor)*			x		x
yaupon *(Ilex vomitoria)*	dwarf		x		x
yew *(Taxus cuspidata) (Taxus x media)*	capitata	x	x	x	x
	denisiformis		x		x

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.
Pesticide Storage: Store in original container, tightly closed in a secure place. Keep out of the reach of children and domestic animals.
Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency medical treatment information.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes Moderate Eye Irritation
Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Drift and runoff may adversely affect aquatic organisms. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

TERMS AND CONDITIONS OF USE

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. To the extent permitted by law, otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.

WARRANTY DISCLAIMER

Seller 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, subject to the inherent risks set forth below. To the extent permitted by law, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Seller. To the extent permitted by law, all such risks shall be assumed by Buyer.

LIMITATION OF REMEDIES

To the extent permitted by law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

To the extent permitted by law, seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. To the extent permitted by law, in no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the Seller or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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