279-3371-4_Bonide Prozone Weed Beater Complete_20190111_178_4_.pdf

TRUSTED SINCE 1926

BONIDE®

PROZONE™ WEED BEATER COMPLETE™

Kills broadleaf & grassy weeds

Covers up to 5,200 sq. ft.

PROVIDES POST-EMERGENT & PRE-EMERGENT WEED CONTROL



For a beautiful weed-free lawn

FACE PANEL

Weed Deadly Lawn Friendly

Kills the toughest weeds down to the root













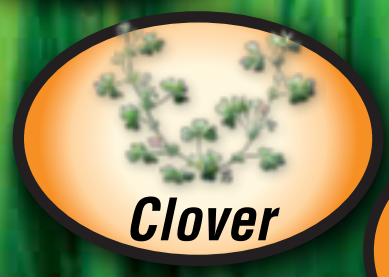
All-in-one weed control for lawns





Performs in both cool and warm weather

For use on warm season and cool season grasses









Keep Out Of Reach Of Children

CAUTION (See other panels for additional Precautionary Statements)

Net Wt. 10 LBS (4.54 kg.)

ACTIVE INGREDIENTS: By Wt.	
Sulfentrazone: N-[2,4-dichloro-5-[4-(difluoro methyl-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide	0.1%
Prodiamine: [N3,N3-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine	0.2%
OTHER INGREDIENTS:	99.7%
TOTAL	100.0%

Contains 0.003 pounds of active ingredient per pound of product

U.S. Patent No. 4, 818,275

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-1(Q), 4-NY-1 EPA Reg. No. 279-3371-4

DIRECTIONS FOR USE

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

PRODUCT INFORMATION

Turf Use Instructions

This product is a selective pre-emergence and post-emergence turf herbicide for control of sedges, annual grass and broadleaf weeds on Residential lawns. This product is formulated as a herbicide on a granule carrier containing 0.003 lbs. of active ingredient per pound of carrier. The mode of action of this product involves uptake by both weed roots and shoots of existing weeds and prevention of growth by newly emerged weed seedlings.

Turf Application: Broadcast this product with suitable application equipment to ensure uniform coverage over the treatment area. A drop or rotary spreader designed to apply granular fertilizer, herbicide or insecticide is the preferred application of this product.

Calibrate application equipment prior to application. Consult applicators manufacturer's operation manual for proper calibration and operation. Apply 2.87 to 8.60 pounds per 1,000 square feet to control broadleaf weeds and turfgrasses (see Table 1 for application rates based on turf grasses and table for suggested spreader settings). For best results apply to damp lawn and after 48 hours water it in.

WEED CONTROL IN RESIDENTIAL LAWNS

Use Precautions for Turf Use

Turfgrass Safety

This product may be used on seeded, sodded or sprigged turfgrasses that are well established. **First application of this product can be made following the second mowing providing the grass has developed into a uniform stand with a good root system.** Turf injury could result from application of this product on turf that is not well established or has been weakened by stresses such as unfavorable weather conditions, disease, chemical or mechanical influences. **When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product at the recommended use rates in a range from 1.91 to 8.60 lbs./1,000 sq. ft. Do not exceed 1.125 lb ai/A (375 pounds product) per calendar year.**

TABLE 1. TOLERANT TURFGRASSES

GRASS TYPE	RECOMMENDED USE RATE SINGLE APPLICATION Lbs. product/1000 ft²
Cool Season Grasses	
Bentgrass, creeping [1] Fescue, fine* (*Festuca rubra*) Ryegrass, perennial (*Lolium perenne*)	1.91 - 2.87
Bluegrass, Kentucky (*Poa pratensis*) Fescue, tall* (*Festuca arundinacea*)	4.36 - 5.74
Warm Season Grasses	
Bahiagrass (*Paspalum notatum*) Buffalograss (*Buchloe dactyloides*) Carpetgrass (*Axonopus affinis*) Centipedegrass (*Eremochloa ophuiroides*) Kikuyugrass (*Pennisetum clandestinum*) Seashore Paspalum (*Paspalum vaginatum*) Zoysiagrass (*Zoysia japonica*)	4.36 - 5.74
Bermudagrass (*Cynodon dactylon*) & hybrids	5.74 - 8.60

*Use of this product on certain varieties of Chewing Fine Fescue or Tall Fescue cultivars may result in undesirable injury.

[1] If bentgrass is mowed lower than 0.5 inches do not apply this product.

This product may be applied twice per year if needed as long as total amount applied each application does not exceed the maximum single application rate per turf type or 8.60 pounds of product per 1,000 sq. ft.

Zoysiagrass statement:
Not all varieties of turfgrasses have been tested. Consult your local Cooperative Extension Service Representative for additional recommendations on application rates for your area of the country or turf variety types.

Table 1A. Applications for St. Augustine Grass - Application of this product to St. Augustine grass may cause temporary discoloration to exposed leaf surfaces of St. Augustine grass. Treated turfgrass will recover with new growth and discolored leaf tissue will be removed with mowing.

Do not apply this product to St. Augustine grass if temporary discoloration cannot be accepted.

Warm Season Grass	Lbs. product/1,000 ft²
St. Augustine	4.29 lbs. Follow by 4.29 lbs. 45-60 days later

TABLE 2. WEEDS CONTROLLED FROM *PRE-EMERGENCE* APPLICATION OF THIS PRODUCT

COMMON NAME	SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME
Barnyardgrass	*(Echinochloa crus-galli)*	Nutsedge, yellow	*(Cyperus esculentus)*
Bluegrass annual (1)	*(Poa annua)*	Pancium (Texas, Fall)	*(Panicum spp.)*
Carpetweed	*(Mollugo verticillata)*	Pigweed, Redroot	*(Amaranthus retroflexus)*
Carolina Geranium	*(Geranium carolinianum)*	Purslane, Common	*(Portulaca oleracea)*
Chickweed, common (2)	*(Stellaria media)*	Pusley, Florida	*(Richardia scabra L.)*
Chickweed, mousear (from seed)	*(Cerastium vulgatum)*	Sedge, globe	*(Cyperus globulosus)*
Crabgrass (large, smooth) (3)	*(Digitaria spp.)*	Sedge, cylindrical	*(Cyperus retrorsus)*
Crowfootgrass	*(Dactyloctenium aegyptium)*	Sedge, Surinam	*(Cyperus surinamensis)*
Cupgrass, Woolly	*(Eriochloa villosa)*	Sedge, Texas	*(Cyperus polystachyos)*
Foxtails, Annual	*(Setaria spp.)*	Shephardspurse (2)	*(Capsella bursa-pastoris)*
Goosegrass (4)	*(Eleusine indica)*	Signalgrass, broadleaf	*(Brachiaria playphylla)*
Hairy Bittercress	*(Cardamine hirsute)*	Speedwell	*(Veronica spp.)*
Henbit (2)	*(Lamium amplexicaule)*	Sprangletop	*(Leptochola spp.)*
Itchgrass	*(Rottboellia exaltata)*	Spurge, prostrate	*(Euphorbia humistrata)*
Knotweed, prostrate	*(Polygonum aviculare)*	Witchgrass	*(Panicum capillare L.)*
Kochia	*(Kochia scoparia)*	Woodsorrel, yellow (from Seed)	*(Oxalis stricta)*
Lambsquarters, common	*(Chenopodium album)*		
Lovegrass	*(Eragrostis spp.)*		

1. Poa annua is a winter annual, applications of this product should be made in August or September to established, non-overseeded turf before Poa Annua germinates. Consult local Cooperative Extension Service for more specific application timings for your local area since August-September are approximate timings.
2. Apply this product in late summer, fall or winter before weed germinates for control.
3. Crabgrass control in cool season grasses from fall application:
   Areas where the ground is subject to winter freezes, this product may be applied in the fall at rates listed in Table 1 (1.91 - 5.74 pounds per 1,000 ft²) for cool season grasses when soil temperatures are below 50°F, but prior to the ground freezing. This will provide control of crabgrass the following spring.
4. In areas of extended growing season and heavy pressure, weed control will be enhanced by a second application of this product 60-90 days after initial application.

POST-EMERGENCE CONTROL OF ANNUAL, BIENNIAL & PERENNIAL BROADLEAF WEEDS

This product will control or suppress the weeds listed in Table 3 when applied shortly after weeds have emerged. Do not exceed the application rate specified for the turf species in Table 1.

TABLE 3. WEEDS CONTROLLED OR SUPPRESSED BY THIS PRODUCT WHEN APPLICATION MADE POST EMERGENCE TO WEEDS.

COMMON NAME	SCIENTIFIC NAME	CONTROLLED	SUPPRESSED
Bittercress	*(Cardamine spp.)*		X
Black medic	*(Medicago Lupulina)*		X
Buttercups	*(Ranunculus spp.)*		X
Carolina geranium	*(Geranium carolinianum)*	1	
Carpetweed	*(Mollugo verticillata)*		X
Chickweed, common	*(Stellaria media)*	1	
Chickweed, mousear	*(Cerastium vulgatum)*		X
Cinquefoil	*(Potentilla spp.)*		X
Clover	*(Trifolium spp.)*		X
Crabgrass (Large and Smooth)	*(Digitaria spp.)*	2	
Cudweed	*(Gnaphalium spp.)*		X
Dandelion	*(Taraxacum officinale)*		X
Dock, Curly	*(Rumex crispus)*		X
Evening primrose	*(Oenothera biennis)*		X
Fiddleneck	*(Amsinckia spp.)*		X
Filaree	*(Erodium spp.)*		X
Goldenrod	*(Solidago spp.)*	1	
Goosegrass	*(Eleusine indica)*	2	
Ground Ivy	*(Glechema hederacea)*	1	
Henbit	*(Lamium amplexlcaule)*		X
Knotweed, prostrate	*(Polygonum aviculare)*		X
Kochia	*(Kochia scoparia)*	1	
Lambsquarters, common	*(Chenopodium album)*		X
Lawn burweed	*(Soliva pterosperma)*		X
Lespedeza, common	*(Lespedeza striata)*		X
Mallow, common	*(Malva neglecta)*		X
Nutsedge, Yellow	*(Cyperus esculentus)*		X
Parsley piert	*(Alchemilla arvensis)*	1	
Pigweed, Redroot	*(Amaranthus retroflexus)*	1	
Pigweed, Tumble	*(Amaranthus albus)*	1	
Pineapple weed	*(Matricaria matricarioides)*		X
Plantain, buckhorn	*(Plantago lanceolata)*	1	
Puncture weed	*(Tribulus terrestris)*		X
Purslane, common	*(Portulaca oleracea)*		X
Pusley, Florida	*(Richardia scabra)*	1	
Redweed	*(Melochia corchorifolia)*		X
Rocket, London	*(Sisymbrium irio)*		X
Smartweed, Pennsylvania	*(Polygonum pensylvanicum)*	1	
Sorrel, Red	*(Rumex acetosella)*		X
Speedwell	*(Veronica spp.)*	1	
Spurge, (annuals)	*(Euphorbia spp.)*	1	
Spurge, prostrate	*(Euphorbia humistrata)*	1	
Spurge, spotted	*(Euphorbia maculata)*	1	
Star of Bethlehem	*(Ornithogalum umbellatum)*	1	
Velvetleaf	*(Abutilon theophrasti)*		X
Violet, wild	*(Viola pratincola)*		X
Wild garlic	*(Allium vineale)*		X
Wild onion	*(Allium canadense)*		X
Woodsorrel, creeping	*(Oxalis corniculata)*		X
Woodsorrel, yellow	*(Oxalis stricta)*	1	

1. Weeds are suppressed at lower label rates (3.44 lbs./100 sq. ft.). For optimum control apply rates of at least 3.44 lbs./100 sq. ft. in a single application. Do not exceed the application rate specified for the turf species in Table 1.
2. This product controls crabgrass and goosegrass when applied postemergent to newly emerged weeds in the 1-4 leaf stage of development.

Application to reseeded, overseeded or sprigged areas:

Reseeding, overseeding or sprigging of treated areas within three to twelve (3-12) months* after application of this product could inhibit the establishment of desirable turfgrasses. See Table 4 for exact intervals from application.

Best results are obtained for reseeding or overseeding when mechanical or power seeding equipment (slit seeders) are used to give good seed to soil contact and proper soil cultivation, irrigation and fertilization practices are followed.

TABLE 4
***OVERSEEDING INTERVALS AFTER APPLYING THIS PRODUCT.**

Total amount of this product (Lbs. product/1,000 sq. ft.)	Interval (Months Before Overseeding)		
	North	Transition	South
1.9	3	3	3
2.87	3	3	3
3.81	4	4	4
5.74	4	4	4
8.60	6	5	5

SPREADER SETTINGS

Drop Spreader:	Calibration Settings at Specified Rate (lb./1000 sq. ft.)		
	1.91-2.87	3.81-5.74	5.74-8.6
Scotts AccuGreen	5.5	8	9.5
Republic EZ #530	8	10	12
Sears Drop	5.5	8	9.5
Rotary Spreaders:			
Scotts Deluxe	3.5	5.5	8
Republic EZ #540	1.5	2	4
Earthway	6	8	10
Sears Rotary	1.5	2	4

Other Use Precautions:

Do not apply this product through any type of irrigation system.
Do not use on turfgrasses other than those listed on this label.
Do not graze or feed livestock forage cut from areas treated with this product.
Do not apply directly to landscape ornamentals or ornamental beds. Applications in ornamental beds may cause damage to bulbs and existing plants.
Do not apply to areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua)* are desirable species.
Do not apply to creeping bentgrass if mowing height is less than 0.5 inch.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
Pesticide Storage: Store product in original container only, away from other pesticides, fertilizer, food or feed. Reseal open bags by folding top down and securing. Store in a cool, dry place and avoid excess heat.
Container Disposal: *If empty:* Nonrefillable container. Do not reuse or refill this container. 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 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. • Call a poison control center or doctor for treatment advice.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 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 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 swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
HOTLINE 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 the National Pesticide Information Center at 1 (800) 858-7378.	

PRECAUTIONARY STATEMENTS
Hazards to Humans (and Domestic Animals)

CAUTION: Causes moderate eye irritation. Harmful if inhaled, swallowed, or absorbed through skin. Avoid breathing dust. Do not get on skin, in eyes or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

Environmental Hazards

This pesticide is toxic to marine/estuarine invertebrates. 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 the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

Warranty

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.

PROZONE™

WEED BEATER COMPLETE™

Bonide Products, Inc.
6301 Sutliff Road
Oriskany, NY 13424
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