Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2014-2016 LIC. NO.

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Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2011-2013 LIC. NO.

RECEIVED
JUL 18 2011
Pesticides Branch

SEDGE ENDER CONCENTRATE

- STARTS WORKING ON CONTACT
- RAINPROOF - WON'T WASH AWAY
- FOR USE ON WARM SEASON AND COOL SEASON GRASSES
- KILLS THE WEEDS, NOT THE LAWN
- PROVIDES PRE-EMERGENT AND POST-EMERGENT WEED CONTROL
- KILLS THE TOUGHEST WEEDS, DOWN TO THE ROOT
- FOR HOME LAWNS ONLY

Store and transport in an upright position.

EPA Est. No. 4-NY-1
EPA Reg. No. 279-3427-4

Buyers Guarantee Limited to Label Claims.

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

Pint

BN

0 37321 00069 3

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 preemergence and postemergence herbicide for control of crabgrass, annual grass and broadleaf weeds and sedges in residential lawns.
This product is a flowable formulation (suspension concentrate) containing 0.4 lbs. of active ingredient per gallon. 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.

APPLICATION INSTRUCTIONS

This product can be applied using a hand trigger sprayer, pump-up sprayer or hose-end sprayer.

See Table 1 for specific use instructions for either cool or warm-season turfgrass varieties. For preemergence applications, spray recommended rate evenly over entire lawn. For postemergence applications, spray weeds directly until well covered. Do not over-apply as this may cause undesirable turf injury.

For pump-up sprayers mix recommended amount of fluid ounces in Table 1 according to desired turfgrass type in 1 GALLON of water per 1,000 sq. ft. covered.

Mix and apply only the amount of product needed to cover desired area. Do not store mixed product.

SPECIFIC USE INSTRUCTIONS IN TURFGRASS

Established Turf
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 may 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 grasses are tolerant to this product at the recommended use rates. Do not exceed 8.25 fl. oz./1,000 sq.ft. per calendar year.

Table 1. Tolerant grasses.

Grass Type	Recommended Use Rates Do not exceed maximum use rates per turfgrass species in a single application	
Cool Season Grasses	**Fluid ounces per 1000 ft²**	**Area Covered (based on 16 fl. oz. container)**
Fescue, fine[1] (*Festuca rubra*), Ryegrass, perennial (*Lolium perenne*), Bluegrass, Kentucky (*Poa pratensis*) Fescue, tall[2] (*Festuca arundinacea*) Cool-season mixtures	**2.75 fl oz Followed by 2.75 fl oz 30 - 60 days later**	5,800 sq. ft
Warm Season Grasses		
Bahiagrass (*Paspalum notatum*) Buffalograss (*Buchloe dactyloides*) Carpetgrass (*Axonopus affinis*) Centipedegrass (*Eremochloa ophuiroides*) Kikuyugrass (*Pennisetum clandestinum*) Seashore Paspalum (*Paspalum vaginatum*) Zoysiagrass[3] (*Zoysia japonica*) Bermudagrass[4] (*Cynodon dactylon*) & hybrids	**5.5 fl. oz**	2,900 sq. ft

Grass Type	Recommended Use Rates Do not exceed maximum use rates per turfgrass species in a single application	
Warm Season Grasses	**Fluid ounces per 1000 ft²**	**Area Covered (based on 16 fl. oz. container)**
St. Augustinegrass	**4.0 fl oz Followed by 4.0 fl oz 30 – 60 days later**	4,000 sq. ft.

[1] Use of this product on certain varieties of Chewing Fine Fescue or Tall Fescue cultivars may result in undesirable injury.
[2] This product may be applied more than once per year if needed as long as total amount applied does not exceed the maximum application rate listed per turf type or 8.25 fl. oz./1,000 sq.ft. per calendar year, whichever is lower.
[3] This product application may cause temporary discoloration to exposed leaf surfaces on certain cultivars of zoysiagrass. Treated turfgrass will recover with new growth. Discolored leaf tissue will be removed with mowing. To reduce potential for discoloration, do not apply this product on turfgrass that is weakened by weather, mechanical, chemical, disease or other related stress. Maintain proper cultural practices such as adequate moisture and fertility levels to promote healthy turf growth.
[4] Sequential application of this product may be needed in bermudagrass lawns for season-long control of yellow nutsedge. If sequential application is needed apply no more than 2.75 fl oz/1000 sq ft.

WEED CONTROLLED WITH PREEMERGENCE APPLICATION

Weeds listed in **bold text** are controlled with either Pre or Postemergence application. Table 2.

Common Name	Scientific Name
Barnyardgrass	*(Echinochloa crus-galli)*
Bluegrass annual [1]	*(Poa annua)*
Carpetweed	*(Mollugo verticillata)*
Carolina Geranium	*Geranium carolinianum*
Chickweed, common [2]	*(Stellaria media)*
Chickweed,mousear (from seed)	*(Cerastium vulgatum)*

Table 2. Cont.

Common Name	Scientific Name
Crabgrass (Large, Smooth) [3]	*(Digitaria spp.)*
Crowfootgrass	*(Dactyloctenium aegyptium.)*
Cupgrass, Woolly	*(Eriochloa villosa)*
Foxtails, Annual	*(Setaria spp.,)*
Goosegrass [4]	*(Eleusine indica)*
Hairy Bittercress	*Cardamine hirsute*
Henbit [2]	*(Lamium amplexicaule)*
Itchgrass	*(Rottboellia exaltata)*
Knotweed, prostrate	*(Polygonum aviculare)*
Kochia	*(Kochia scoparia)*
Kyllinga, green	*(Kyllinga brevifolia)*
Kyllinga, false	*(Kyllinga gracillima)*
Lambsquarters, common	*(Chenopodium album)*
Lovegrass	*(Eragrostis spp.)*
Nutsedge, yellow	*(Cyperus esculentus)*
Panicum (Texas,Fall)	*(Panicum spp.)*
Pigweed, Redroot	*(Amaranthus retroflexus)*
Purslane, Common	*(Portulaca oleracea)*
Pusley, Florida	*(Richardia scabra L.)*
Sedge, globe	*(Cyperus globulosus)*
Sedge, cylindrical	*(Cyperus retrorsus)*
Sedge, Surinam	*(Cyperus surinamensis)*
Sedge, Texas	*(Cyperus polystachyos)*
Shepherdspurse [2]	*(Capsella bursa-pastoris)*
Signalgrass, broadleaf	*(Brachiaria plavphylla)*
Speedwell	*(Veronica spp.)*
Sprangletop	*(Leptochola spp.)*
Spurge, prostrate	*(Euphorbia humistrata)*
Witchgrass	*(Panicum capillare L.)*
Woodsorrel, yellow (from Seed)	*(Oxalis stricta)*

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 applications timings for your local area since August and 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 (2.75 - 5.50 fl. oz. per 1,000 ft^2) 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 second application of this product 60-90 days after initial application

Postemergence Control of Annual, Biennial & Perennial Broadleaf Weeds, Grasses and Sedges
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. Do not apply adjuvants or surfactants with post applications of this product unless tested on small areas prior to broadcast applications.

WEEDS CONTROLLED OR SUPPRESSED WHEN APPLICATION MADE POSTEMERGENCE TO WEEDS

Table 3.

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

Table 3. Cont.

Common Name	Scientific Name	Controlled	Suppressed
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 amplexicaule)*		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)*	1	
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	

Table 3. Cont.

Common Name	Scientific Name	Controlled	Suppressed
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 (<5.5 fl.oz/1,000 sq.ft.). For optimum control apply rates of at least 5.5 fl.oz.per 1,000 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 six (3-6) months after application of this product could inhibit the establishment of desirable grasses. See table 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.

OVERSEEDING INTERVALS AFTER PRODUCT APPLICATIONS

Table 4.

Total Amount of This Product Applied	Interval (Months Before Overseeding)		
Ounces Product/1,000 sq.ft.	North	Transition	South
2.75	3	3	3
4.0	3	3	3
5.5	4	4	4
8.25	6	5	5

Other Use Precautions

Do not use on turgrasses 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.
Do not apply to areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (Poa annua) are desirable species.
Do not apply to newly set sod until the sod has rooted and exposed edges have grown in.
Do not apply with adjuvants or surfactants.

STORAGE AND DISPOSAL

Pesticide Storage: Store and transport in upright position. Store only in original container, in a cool dry place inaccessible to children or pets.
Pesticide Disposal: *If partly filled* – Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain
Container Disposal: *If empty* – Non-refillable container. Do not reuse or refill this container. Offer for recycling, if possible

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 further 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 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 SWALLOWED	• Call a poison control center or doctor immediately for treatment advice. • Do not give any liquid to the person. • 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 1-800-585-7378 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS

Hazards to Humans (and Domestic Animals)

CAUTION: Causes moderate eye irritation. Harmful if inhaled, swallowed, or absorbed through skin. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact while mixing or handling may cause allergic reactions in certain individuals. Wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves (such as natural rubber, selection Category A). 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 marine/estuarine invertebrates. Drift and runoff may be hazardous to terrestrial and aquatic plants in neighboring areas. 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. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.
Groundwater advisory: Sulfentrazone is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.
Do not use on coarse soils classified as sand which have less than 1% organic matter.

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.

For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents) call National Pesticide Information Center at 1-800-858-7378.