Turf and Ornamental Herbicide

For season-long control of crabgrass and control or suppression of listed annual grasses and broadleaf weeds in ornamental landscape areas, established lawns and ornamental turf, including golf course lawns, fairways, and tee boxes.

When used according to label directions, this product will not harm nearby established ornamentals identified as “Tolerant Ornamentals” elsewhere in this label.

Use Precautions for Turf

This product may be used on seeded, sodded, or sprinkled lawns and ornamental turf that are well-established. Initiating large-scale use of this product should be made only after turfgrass has developed a vigorous root system, a uniform stand, and have received at least two mowings following seeding, sodding, or spraying. Use of this product on turfgrasses that are not well-established, or weakened by stress from weather, pests, disease, chemical, or mechanical manipulations, may increase the chances of turf injury. All use of product onlyropatitis or 2-mercaptobenzothiazole (3-5-dimethylthiazol-2-yl)-2-methylthiazole, 0.22% Other ingredients: 100.00%

Keep Out of Reach of Children

WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM Information regarding the contents and level of metals in this product is available on the Internet at http://www.regulatoryinfo.org.


Use Precautions for Turf

This product is toxic to birds and highly toxic to other aquatic organisms including fish and other fish. Use with care.

Precautions for Re seeding, Over seeding, or Sprigging

Re seeding, over seeding, 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 treating 5.2 lb/1000 sq ft (0.5 lb active ingredient per ac) or more may inhibit the establishment of desirable turfgrasses.

When reseeding, follow established cultural practices for seedbed preparation, seeding, irrigation and fertilization. For over seeding results, use mechanical or power seeding equipment (lift seeders) designed to provide good contact between soil and seed.


Fertilizer: 10-10-10

Effects of application of this product or within 16 weeks after a split application program totaling 5.2 lb/1000 sq ft (0.5 lb active ingredient per ac) or more may inhibit the establishment of desirable turfgrasses.

When reseeding, over seeding, or sprigging established cultural practices for seedbed preparation, seeding, irrigation and fertilization. For over seeding results, use mechanical or power seeding equipment (lift seeders) designed to provide good contact between soil and seed.

Other Use Precautions

Do not use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

Net Weight 50 LBS. (22.68 Kg) B3133

Precautionary Statements

Caution

Do not allow people or pets to enter treated areas until dry. Do not graze livestock or feed forage cut from areas treated with this product.


Tips for Improved Weed Control

Use of split (half-rate) applications spaced 5 - 10 weeks apart may provide improved weed control.

Use of this product on certain varieties of creeping bentgrass, such as 'cohansey', 'carmen', 'seaside', and 'Washington' may result in undesirable turfgrass injury. Not all varieties of creeping bentgrass have been tested.

In the state of New York, this product may be applied only by commercial applicators at no more than 227 lb per acre (5.2 lb/1000 sq ft) per year. Use of this product in Nassau and Suffolk counties of New York is prohibited.

Use of this product on certain varieties of creeping bentgrass, such as 'cohansey', 'carmen', 'seaside', and 'Washington' may result in undesirable turfgrass injury. Not all varieties of creeping bentgrass have been tested.

Do not apply this product to colonial bentgrass (Agrostis stolonifera).

Use of this product on certain varieties of fescue may result in undesirable turfgrass injury. The following fine fescue varieties have been found to be sensitive to this product: 'Adams', 'bannen', 'beautly', 'bigrat', 'CF-2', 'helena', 'highland', 'jamestown', 'kent', 'prairie', 'yelmore', 'yarnam', 'tajland', 'waldorf', and 'waller'. Not all varieties of fine fescue have been tested.

Use Precautions for Control of Crabgrass

Early autumn application weed control product is limited to crabgrass. Post-emergence application effectively controls crabgrass, but only application is made prior to the 4-leaf stage of growth or first flower. 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.

Directions for Use

Do not use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

In Florida, this product may be applied only by commercial applicators at no more than 227 lb per acre (5.2 lb/1000 sq ft) per year. Use of this product in Nassau and Suffolk counties of New York is prohibited. 

Dimensions: 0.2% Plus Fertilizer

Storage and Disposal

Do not contaminate water, floodplains, feed or seed by storage or disposal.

Pesticide Storage: Store this product in its original container in a dry, cool, secured storage area.

Pesticide Disposal: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved by the state or local authorities.

In the state of New York, this product may be applied only by commercial applicators at no more than 227 lb per acre (5.2 lb/1000 sq ft) per year. Use of this product in Nassau and Suffolk

Surfacing Spreader Bigfoot Earthway Lesco Rotary AccuPro 2000

Rate lbs. Nitrogen per 1,000 sq ft lbs. A.I. per acre

Low 2.50 0.42 0.25

Medium 5.00 0.83 0.50

High 7.50 1.25 0.75

Spreader Setting

Topdress 18 L O

Bottom 18 L O

No Topdress

50/50


Do not apply this product until turfgrass has recovered from the mechanical injury caused by these cultural practices.

Other Use Precautions

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Storage and Disposal

Do not contaminate water, floodplains, feed or seed by storage or disposal.

Pesticide Storage: Store this product in its original container in a dry, cool, secured storage area.

Pesticide Disposal: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved by applicable Federal, state or local authorities.

Container Handling: Nonrefillable container. Do not resell or offer this container for recycling if available, or disposal of empty bag in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.
Preemergence and Early Postemergence Control

- This product provides "preemergence" control of crabgrass in established turfgrasses (including the large, smooth, and southern species) when applied prior to germination and emergence of crabgrass.

- This product also provides "early" postemergence control of crabgrass if applied prior to the 3-leaf stage of growth of crabgrass or prior to tillering as described below. This stage of growth generally corresponds to the time when tillers or seedlings first become visible in the established turfgrass. The practical benefit of early postemergence crabgrass control is that a 2-4 week longer period of time (window of application) during which crabgrass control can be achieved.

Application Frequency and Timing

This product may be applied as a single application, as a split application, or as a sequential application for crabgrass control in the spring, summer, or fall as described in the following uses.

Spring Applications

For applications made in the spring or early summer, use an appropriate application rate corresponding to one of the three control programs listed in Table 1. Specific rate recommendations are based on the use scenario (Region), the mowing height of the turfgrass, and whether the application timing is considered to be preemergence or early postemergence. The duration of residual weed control provided by this product is directly related to application rate, but will vary depending on weather, weed pressure, turfgrass competitiveness, and the user’s location within a region.

Use Program 1 for preemergence control at sites where turfgrass is cut relatively high (e.g., homeowner lawns). This program provides 3-5 months of preemergence crabgrass control. This program also provides preemergence control of several broadleaf weeds (e.g., evening primrose, dandelion, and daisy) when applied prior to the 3-leaf stage of growth of the targeted weed species (e.g., homeowner lawns).

Use Program 2 preemergence crabgrass control at sites where (a) turfgrass is cut relatively low (e.g., golf fairways), and (b) turf maintenance or weed control has been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence control of grasses in the 3-leaf stage of growth if the turfgrass is cut relatively high (e.g., homeowner lawns).

Use Program 3 preemergence crabgrass control at sites where (a) turfgrass is cut relatively low (e.g., golf fairways), and (b) turf maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence control of grasses up to the 3-leaf stage of growth if the turfgrass is cut relatively low (e.g., golf fairways).

<table>
<thead>
<tr>
<th>Region</th>
<th>Application Rate</th>
<th>Program 1</th>
<th>Program 2</th>
<th>Program 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>All states, except NV, and parts of states not included in transition, south, south coast, south west.</td>
<td>2.0</td>
<td>2.6</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>b/alb</td>
<td>0.19</td>
<td>0.25</td>
<td>0.58</td>
<td></td>
</tr>
<tr>
<td>1000 sq ft</td>
<td>173</td>
<td>173</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1000 sq ft</td>
<td>2.6</td>
<td>4.0</td>
<td>9.2</td>
<td></td>
</tr>
<tr>
<td>b/alb</td>
<td>0.25</td>
<td>0.38</td>
<td>0.8</td>
<td></td>
</tr>
<tr>
<td>1000 sq ft</td>
<td>114</td>
<td>114</td>
<td>144</td>
<td>144</td>
</tr>
<tr>
<td>1000 sq ft</td>
<td>4.0</td>
<td>2.6</td>
<td>2.4</td>
<td>3.2</td>
</tr>
<tr>
<td>Coastal South: FL, HI, &amp; a southern coastal area of AL. GA, LA, MS, NC, SC, &amp; TX.</td>
<td>0.38</td>
<td>0.25</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>1000 sq ft</td>
<td>2.6</td>
<td>2.6</td>
<td>3.2</td>
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<td>0.25</td>
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<td>0.25</td>
</tr>
<tr>
<td>1000 sq ft</td>
<td>2.6</td>
<td>2.6</td>
<td>3.2</td>
<td>3.2</td>
</tr>
<tr>
<td>West: AZ, CA, &amp; NV. In this climatically diverse region, use the higher rates in areas with longer crabgrass seasons.</td>
<td>0.25</td>
<td>0.25</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>1000 sq ft</td>
<td>114</td>
<td>114</td>
<td>114</td>
<td></td>
</tr>
</tbody>
</table>
| Split applications may be made 5-10 weeks apart. Use of Split or Sequential Applications: Split or sequential applications may be used to provide improved weed control or to control weed control in areas with long growing seasons. Split applications may be made in the rates in Table 1 being split between two applications made 5-10 weeks apart. Where longer periods of control are required, sequential applications may be made in late summer or fall following a spring application in the following fall application, provided this maximum application rate per year is not exceeded. To refer to the "Maximum Use Rates" section above and separate rate restrictions for the state of New York.

Fall Applications

This product can also be applied in the late summer through early fall (late August through November) at use rates listed in Table 1. For Program 3, provide control of crabgrass through the early part of the next spring. Fall applications of this product may be followed by an appropriately timed application in the following spring for season-long control of crabgrass.
<table>
<thead>
<tr>
<th>Common Name</th>
<th>Botanical Name</th>
<th>Tolerant Cultivars</th>
</tr>
</thead>
<tbody>
<tr>
<td>ivy</td>
<td>Hedera spp</td>
<td>alpina,-asiatica,neverest,previa,vinca (periwinkle),volubilis,wickwar-crenata</td>
</tr>
<tr>
<td>ice plant</td>
<td>Mesembryanthemum crystallinum</td>
<td>chiefly,arctic,arctic-rose,decumans,dianthiflorum,grandiflorum,perfoliatum,uliginosum,vaucheria,williamsii,zebrina</td>
</tr>
<tr>
<td>holly</td>
<td>Ilex spp</td>
<td>alba,autumnalis,cardinalis,decussata,intermedia,opaca,pestata,rhombifolia,sabina,scopulorum,softspine,stellata,verticillata,whitneyi,x-carltonii,x-manskei,x-rhombifolia,x-suffruticosa,x-virginica</td>
</tr>
<tr>
<td>hibiscus</td>
<td>Hibiscus spp</td>
<td>armstrong,atropurpureus,carolinianus,cristatus,floribundus,hybrida,montgomery,mulcher,musalis,niger,niger-trabuculatus,pilosus,rosasinensis,sericeus,syracussiensis,tomentosus,urbanus,versicolor,xylocarpus</td>
</tr>
<tr>
<td>hemlock, Canada</td>
<td>Tsuga spp</td>
<td>canadensis,caroliniana,occidentalis,pestilens</td>
</tr>
<tr>
<td>heather, twisted</td>
<td>Calluna spp</td>
<td>compacta,scopulorum,spicata,uplandica,veronicae-arthrae,vernalis,williamsonii</td>
</tr>
<tr>
<td>gum</td>
<td>Eucalyptus spp</td>
<td>alba,calophylla,clutteriana,cookiana,corymbiana,cryptocarpa,deanei,degrootii,grandis,grandis-stachya,grandis-trachycarpa,inconsolabilis,intermedia,leucoxylon,litsea,meliodora,melanophloia,montana,mulucca,nitens,oblonga,olivacea,procera,robertsonii,sclateria,smithii,solidana,splendens,trewisia,uliginosa,williamsonii,woolworthiana,x-chamaecyparis,zydenbergii</td>
</tr>
<tr>
<td>fern (various)</td>
<td>Polypodiopsida</td>
<td>adiantum,asplenium,cheiropappus,crenatum,dura,filix-mas,glaucum,hardwickii,intermedium,nepalense,niphidium,psilolepis,piloselloides,polypodium,pratense,puberulum,schoenoprasum,scopolium,spicatum,teres,verrucosum,williamsii,xylophyllum</td>
</tr>
<tr>
<td>fan palm, Mexican</td>
<td>Washingtonia filifera</td>
<td>robusta</td>
</tr>
<tr>
<td>elm, drake</td>
<td>Ulmus spp</td>
<td>americana,europaea,pilulifera,parvifolia,platanoides,regans</td>
</tr>
<tr>
<td>dogwood</td>
<td>Cornus spp</td>
<td>alba,amomoides,alnifolia,alnifolia-sibirica,ashei,barashii,brachycarpa,cristata,cristata-macowanii,eleagnus,erecta,finegalli,finegalli-imbricata,glauca,b. glauca-mollis,l. montana,lonchocarpa,ovata,spicata,scutata,sericea,techartes,thunbergii,unalascensis,virginiana,willow</td>
</tr>
</tbody>
</table>