



# Dimension\* 0.15% + Fertilizer

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

- 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.
- Covers up to 17,240 sq ft (131' x 131')

In the state of New York, this product may be applied only by commercial applicators at no more than 333 lb (0.5 lb of active ingredient) per acre (7.7 lb per 1,000 sq ft) per year. Use of this product in Nassau and Suffolk Counties of New York is prohibited.

#### ACTIVE INGREDIENT:

Dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester..... 0.15%

OTHER INGREDIENTS:..... 99.85%

Total:..... 100.0%

This product contains 0.075 pounds of the active ingredient dithiopyr per 50 pound bag.

**NOTICE:** Read the entire label. Use only according to label directions. Before using this product, read Warranty Disclaimer, Inherent Risk of Use, and Limitations of Remedies at the end of Directions for Use. If terms are unacceptable, return at once unopened.

#### DIRECTIONS FOR USE

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

#### Use Directions for Turf

Dimension\* 0.15% + Fertilizer turf and ornamental herbicide provides season-long control of crabgrass and control or suppression of other listed annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs, 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 sprigged lawns and ornamental turfs that are well-established. Initial application of this product should be made only after turf-grasses have developed a vigorous root system, a uniform stand, and have received at least two mowings following seeding, sodding, or sprigging. Use of this product on turf-grasses that are not well-established, or weakened by stress from weather, pests, disease, chemical, or mechanical influences, may increase the chances of turf injury.

- Florida Applications: For application to sports turf (non-agricultural land planted exclusively for golf courses, parks and athletic fields), follow "SL191, 'Recommendations for N, P, K and Mg for Golf Course & Athletic Field Fertilization Base on Mehlich I Extractant'" available at <http://edis.ifas.ufl.edu/SS404>, or "BMP's for Enhancement of Environmental Quality on Florida's Golf Courses" available at <http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/glfbmp07.pdf>.
- Florida Applications: For application to urban turf (non-agricultural land planted in closely mowed, managed grasses except golf courses, parks and athletic fields), follow "Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries" available at [http://www.dep.state.fl.us/central/Home/MeetingsTraining/FLGreen/BMP\\_Book\\_final.pdf](http://www.dep.state.fl.us/central/Home/MeetingsTraining/FLGreen/BMP_Book_final.pdf).

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

#### Cool-Season Grasses:

Bentgrass, creeping*	<i>Agrostis palustris</i>
Bluegrass, Kentucky	<i>Poa pratensis</i>
Fescue, fine**	<i>Festuca rubra</i>
Fescue, tall	<i>Festuca arundinacea</i>
Ryegrass, perennial	<i>Lolium perenne</i>

#### Warm-Season Grasses:

Bahiagrass	<i>Paspalum notatum</i>
Bermudagrass	<i>Cynodon dactylon</i>
Buffalograss***	<i>Buchloe dactyloides</i>
Carpetgrass	<i>Axonopus affinis</i>
Centipedegrass	<i>Eremochloa ophiuroides</i>
Kikuyugrass	<i>Pennisetum clandestinum</i>
St. Augustinegrass	<i>Stenotaphrum secundatum</i>
Zoysiagrass	<i>Zoysia japonica</i>

\*Use of this product on certain varieties of Creeping Bentgrass, such as 'Cohansey', 'Carmen', 'Seaside', and 'Washington' may result in undesirable turf-grass injury. Not all varieties of Creeping Bentgrass have been tested. Do Not apply this product to Colonial Bentgrass (*Agrostis tenuis*).

\*\*Use of this product on certain varieties of Fine Fescue may result in undesirable turf injury. The following Fine Fescue varieties have been found to be sensitive to this product: 'Atlanta', 'Banner', 'Beauty', 'Biljart', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo', 'Jamestown', 'Koket', 'Majenta', 'Mary', 'Pennlawn', 'Tamara', 'Tatjana', 'Waldorf', and 'Waldina'. Not all varieties of Fine Fescue have been tested.

\*\*\*DO NOT use this product on seedling Buffalograss in the spring of the first year of establishment until the turf-grass is fully green and has established new roots.

**Note:** It is not possible to evaluate all turf-grass varieties for tolerance to this product. It is suggested that the user evaluate the response of turf-grass varieties not listed on this label on a limited area, at recommended use rates, prior to initiating large-scale use.

#### Precautions for Reseeding, Overseeding, or Sprigging

• Reseeding, 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 totaling 7.7 lb/1000 sq ft (0.5 lb active ingredient per acre) or more may inhibit the establishment of desirable turf-grasses.

• When reseeded or over-seeding, follow established cultural practices for seedbed preparation, seeding, irrigation and fertilization.

• For best over-seeding results, use mechanical or power seeding equipment (slit seeders) designed to provide good contact between soil and seed.

#### Precautions for Control of Crabgrass

Early post-emergence weed control with this product is limited to crabgrass. Post-emergence application effectively controls crabgrass, but only if application is made prior to the 3-leaf stage of growth or first tiller. 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 turf-grass has recovered from the mechanical injury caused by these cultural practices.

#### 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.
- Do Not graze livestock or feed forage cut from areas treated with this product.

Refer to back panel of bag for further Directions for Use

# 17-0-0

#### GUARANTEED FERTILIZER ANALYSIS

TOTAL NITROGEN (N) ..... 17.00%  
17.00% Urea Nitrogen\*

TOTAL SULFUR (S) ..... 1.31%  
1.31% Free Sulfur (S)

DERIVED FROM: Polymer Coated Sulfur-Coated Urea and Urea.

CHLORINE (Cl) Max. .... 2.00%

\* 3.82% Slowly Available Nitrogen From Polymer Coated Sulfur-Coated Urea.

## KEEP OUT OF REACH OF CHILDREN CAUTION

#### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION CAUSES EYE IRRITATION. HARMFUL IF INHALED.

Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

#### FIRST AID

If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

#### 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 1-800-992-5994 day or night, for emergency treatment information.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. 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 apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment wash-waters.

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store this product only 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 for pesticide disposal or in accordance with applicable Federal, State or local procedures.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, or dispose of empty bag in a sanitary landfill, or by incineration, or, if allowed, by state and local authorities, by burying. If burned, stay out of smoke.

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Net Weight: 50 lb (22.7 kg)



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## Application Directions for Turf

### 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 and fertilizer components in this product are not effective until activated by rainfall or irrigation. Performance is improved if application is followed by 1/2 inch of rainfall or sprinkler irrigation. Erratic weed control may result if not activated by rainfall or irrigation within 30 days after application.
- Use of split (half-rate) applications spaced 5 - 10 weeks apart may provide improved weed control.

### Maximum Use Rates (Applies to all Turf-grass Uses)

- Do not apply more than 333 lb (0.5 lb active ingredient) per acre (7.7 lb per 1000 sq ft) per application or more than 1000 lb (1.5 lb active ingredient) per acre (23.1 lb per 1000 sq ft) per year if using split or sequential applications.
- In the state of New York, this product may be applied only by commercial applicators at no more than 333 lb (0.5 lb active ingredient) per acre (7.7 lb per 1000 sq ft) per year. Use of this product in Nassau and Suffolk counties of New York is prohibited.

### Control of Crabgrass

#### Pre-emergence and Early Post-emergence Control

- This product provides "pre-emergence" control of crabgrass in established turf-grasses (including the large, smooth, and southern species) when applied prior to germination and emergence of crabgrass.
- This product also provides "early post-emergence" control of crabgrass if applied prior to the 3-leaf stage of growth or first tiller as described below. This stage of growth generally corresponds to the time when crabgrass seedlings first become visible in the established turf-grass. The practical benefit of early post-emergence crabgrass control is 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 use programs.

#### 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 user's location (Region), the mowing height of the turf-grass, and whether the application timing is considered to be pre-emergence or early post-emergence. The duration of residual weed control provided by this product is directly related to application rate, but will vary somewhat depending on weather, weed pressure, turf-grass competitiveness, and the user's location within a region.

**Use Program 1** for pre-emergence control at sites where turf-grass is cut relatively high (e.g., homeowner lawns). This program provides 3 - 5 months of pre-emergence crab-grass control. This program will also provide early post-emergence control of crabgrass up to the 3-leaf stage or first tiller at sites where turf-grass is cut relatively high (e.g., homeowner lawns).

**Use Program 2** for pre-emergence control at sites where (a) turf-grass is cut relatively low (e.g., golf fairways), and (b) turf-grass maintenance or weed control has been conducted during the previous year. This program provides 4 - 6 months of pre-emergence crabgrass control. This program may also be used for early post-emergence control of crabgrass up to the 3-leaf stage or first tiller at sites where turf-grass is cut relatively high (e.g., residential lawns).

**Use Program 3** for pre-emergence control at sites where (a) turf-grass 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 pre-emergence crabgrass control. This program may also be used for early post-emergence control of crabgrass up to the 3-leaf stage or first tiller at sites where turf-grass is cut relatively low (e.g., golf fairways).

Table 1 Recommended Use Rates

Region	Application Rates	Program #1	Program #2	Program #3
All states, except NY, and parts of states not included in transition, south, coastal south or west.	lb/acre	127	167	253
	lb/1000 sq ft	2.9	3.8	5.8
	lb ai/acre	0.19	0.25	0.38
Transition: DE, KS, KY, MD, MO, NJ, VA, southeastern PA, southern areas of IL, IN, OH, & coastal areas of CT, & RI	lb/acre	167	253	333
	lb/1000 sq ft	3.8	5.8	7.7
	lb ai/acre	0.25	0.38	0.5
South: AL, AR, GA, LA, MS, NC, NM, OK, SC, TN, & TX	lb/acre	253	167 + 167	207 + 207
	lb/1000 sq ft	5.8	3.8 + 3.8†	4.7 + 4.7†
	lb ai/acre	0.38	0.25 + 0.25	0.31 + 0.31
Coastal South: HI, FL, & southern coastal areas of AL, GA, LA, MS, NC, SC, & TX	lb/acre	167 + 167	207 + 207	253 + 253
	lb/1000 sq ft	3.8 + 3.8†	4.7 + 4.7†	5.8 + 5.8†
	lb ai/acre	0.25 + 0.25	0.31 + 0.31	0.38 + 0.38
West: AZ, CA, & NV. In this climatically diverse region, use the higher rates in local areas with longer crabgrass seasons.	lb/acre	127 + 167	167 + 253	167 + 167
	lb/1000 sq ft	2.9 + 3.8	3.8 + 5.8	3.8 + 3.8†
	lb ai/acre	0.19 - 0.25	0.25 - 0.38	0.25 + 0.25

† 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 provide extended weed control in areas with long growing seasons. Split applications may be made with 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 or in the spring following a fall application, provided the maximum application rate per year is not exceeded. 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" to provide control of crabgrass

EPA REG. NO. 62719-504-82757

EPA EST. NO. 82757-OH-001 (MF)

EPA EST. NO. 82757-FL-001 (S)

EPA EST. NO. 82757-MA-002 (H)

First letter of lot # indicates manufacturing site.

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through the early part of the next spring. Fall application of this product may be followed by an appropriately timed application in the following spring for season-long control of crabgrass.

## Weeds Controlled or Suppressed

### Spring Application

When applied pre-emergence (prior to germination) for control of crabgrass in the spring, this product will also control or suppress the following weeds at application rates given in Table 1:

Grasses	Broadleaf Weeds
Barley	bittercress†
Barnyardgrass	carpetweed
Bluegrass, annual	chickweed†
Brome	geranium, Carolina†
Crabgrass, large	henbit
Crabgrass, smooth	knotweed, prostrate
Crabgrass, Southern	lespedeza, common†
Crowfootgrass†	marestail
Dallisgrass (seedling)	medic, black
Goosegrass	mustard
Foxtail, green	oxalis, buttercup
Foxtail, yellow	pineappleweed†
Kikuyugrass†	pigweed, redroot
Oats, wild	parsley-piert†
Ryegrass (annual & perennial)	purslane, common
Sanbur	rocket, London
smutgrass	Shepherdspurse
	speedwell, corn†
	spurge, garden
	spurge, prostrate
	spurge, spotted
	woodsorrel, creeping
	woodsorrel, yellow
	Cardamine spp.
	Mollugo verticillata
	Stellaria spp.
	Geranium carolinianum
	Lamium spp.
	Polygonum aviculare
	Lespedeza striata
	Conyza Canadensis
	Medicago lupulina
	Brassica spp.
	Oxalis pes-caprae
	Matricaria matricarioides
	Amaranthus retroflexus
	Alchemilla arvensis
	Portulaca oleracea
	Sisymbrium irio
	Capsella bursa-pastoris
	Veronica arvensis
	Euphorbia hirta
	Euphorbia humistrata
	Euphorbia maculata
	Alchemilla arvensis
	Oxalis stricta

† Suppression only

### Fall Applications

When applied pre-emergence (prior to germination) in late summer through early fall (late August through November) this product will control or suppress the following weeds in addition to providing pre-emergence control of crabgrass in the following spring:

bluegrass, annual	Poa annua
bittercress	Cardamine spp.
chickweed	Stellaria spp.
henbit	Lamium spp.
geranium, Carolina	Geranium carolinianum
parsley-piert	Alchemilla arvensis
pineappleweed	Matricaria matricarioides
shepherdspurse	Capsella bursa-pastoris

## 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.

### Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risk of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund or 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 purpose stated on the label when used in strict accordance with the directions, subject to the inherent risk set forth below. **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 risk associated with the 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 the Seller. To the extent permitted by law, all such risks shall be assumed by Buyer.

#### Limitations 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, on of the following:

- Refund of purchase price paid by the buyer or user for product bought, or
- 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.

Information concerning the raw materials contained in this product can be obtained by writing to: Turf Care Supply Corp., Attn: EHS Dept., 50 Pearl Road Suite 200, Brunswick, OH, 44212 referring to the item number found on this bag.

If this product is being sold in a state requiring the publication of information regarding its metal content, information regarding the contents and levels of metals in this product is available at the following website: <http://www.aapfco.org/metals.htm> or by calling 1-877-220-1014.

DIMENSION\* is a registered trademark of Dow AgroSciences.

TCS GrowStar® is a registered trademark of Turf Care Supply Corp.

F1612

Distributed by:

**Turf Care Supply Corp.**  
50 Pearl Road, Suite 200  
Brunswick, OH 44212

Net Weight: 50 lb (22.7 kg)

**TurfCare**<sup>™</sup>  
supply corp.