

DITHIOPYR	GROUP	<b>3</b>	HERBICIDE
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# with 0.103% Dimension® Turf Herbicide

# 24-0-10

**This product is a herbicide that provides control of listed annual grasses and broadleaf weeds in established lawns and ornamental turfs.**

- Contains MÜtech®-L Nitrogen

GUARANTEED ANALYSIS	
Total Nitrogen (N) .....	24.00%
2.40% Ammoniacal Nitrogen	
1.86% Urea Nitrogen	
12.93% Water Insoluble Nitrogen	
6.81% Other Water Soluble Nitrogen*	
Soluble Potash (K <sub>2</sub> O) .....	10.00%
Sulfur (S) .....	6.15%
6.15% Combined Sulfur (S)	

Derived from methylene ureas, ureaform, potassium sulfate and ammonium sulfate.  
\*6.81% Slowly available nitrogen from methylene ureas and ureaform.

**FO02091**

#### Florida Applications:

We recommend that you follow the Florida Green Industries BMP's at:  
<http://www.flrules.org/Gateway/reference.asp?No=Ref-04706>  
 We recommend that you follow the Florida Golf Course BMP's at:  
<http://www.flrules.org/Gateway/reference.asp?No=Ref-04702>

**Nitrogen Notice:** For those states with nitrogen application restrictions, including but not limited to, MD, NH, NJ, PA and VA, do not apply more than 4.0 lbs. of this product per 1,000 sq. ft.

#### ACTIVE INGREDIENTS:

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

0.103%

#### INERT INGREDIENTS:

98.897%

100.000%

EPA Reg. No. 9198-I20  
 EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A  
 (Underlined letter is first letter used in run code on end of bag.)

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS KEEP OUT OF REACH OF CHILDREN 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	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contacts, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.
If swallowed	Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
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.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-757-8951 for emergency medical 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 washwaters.

**NON-TARGET ORGANISM ADVISORY:** This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into ground-water if used in areas where soils are permeable, particularly where the water table is shallow.

This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground. This product is classified as having a high potential for reaching surface water via runoff for several weeks after application.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. Read the entire label before using this product. Use only according to label instructions. Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

**New York Use Restrictions:** In New York this product may only be used by professional applicators and at no more than 11.0 pounds per 1,000 square feet (equal to 0.5 pounds active ingredient per acre) per year; and is prohibited from use in Nassau and Suffolk Counties.

#### RESISTANCE MANAGEMENT:

For resistance management, this product is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of this product or other Group 3 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact The Andersons, Inc. at 1-800-757-8951

#### GENERAL INFORMATION

This product is a herbicide that provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs, and tee boxes. This product will not harm nearby established ornamentals when used according to label directions.

#### USE PRECAUTIONS

**Turfgrass Safety:** This product may be used on seeded, sodded, or sprigged lawns and ornamental turfs that are well-established. The grass must have developed a good root system and a uniform stand, and have received at least two mowings following its seeding, sodding, or sprigging before it can receive its first application of this product. Use of this product on lawns and ornamental turfs that are not well-established, or on those that have been weakened by weather-, pest-, disease-, chemical-, or mechanical-related stress, may increase the chances for turf injury.

This product should only be applied to lawns and ornamental turfs that are composed of the following turfgrass species that have been determined to be tolerant to applications of this product. When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

#### Cool Season Grasses

Bentgrass, creeping\* (*Agrostis palustris*)  
 Bluegrass, Kentucky (*Poa pratensis*)  
 Fescue, fine\*\* (*Festuca rubra*)  
 Fescue, tall (*Festuca arundinacea*)  
 Ryegrass, perennial (*Lolium perenne*)

#### Warm Season Grasses

Bahiagrass (*Paspalum notatum*)  
 Bermudagrass (*Cynodon dactylon*)  
 Buffalograss\*\*\* (*Buchloe dactyloides*)  
 Carpetgrass (*Axonopus affinis*)  
 Centipedegrass (*Eremochloa ophiuroides*)  
 Kikuyugrass (*Pennisetum clandestinum*)  
 St. Augustinegrass (*Stenotaphrum secundatum*)  
 Zoysiagrass (*Zoysia japonica*)

\* 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 tenuis*) varieties.

\*\*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', 'Bilgart', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo', 'Jamestown', 'Koket', 'Majenta', 'Mary', 'Pennlawn', 'Tamura', '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 turfgrass is fully green and has established new roots.

**Note:** It is recommended that use of this product be made on a trial basis initially to determine its safety under local use conditions and turf management practices before making widespread use.

**Reseeding, Overseeding, or Sprigging:** Reseeding, overseeding, or sprigging of treated areas within 4 months after application of this product may inhibit the establishment of desirable turfgrasses. When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. For best results, use mechanical or power seeding equipment (sit seeders) designed to give good seed to soil contact.

**Other Use Precaution:** The early postemergence crabgrass control described below is limited. Postemergence applications are only effective on crabgrass if applied before crabgrass has displayed its fifth leaf or first tiller.

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 the grass has recovered from these cultural practices. Apply this product directly to established lawns or ornamental turfs only. DO NOT apply to flowers, vegetables, shrubs, or trees.

DO NOT use clippings from treated turf for mulching around vegetables or fruit trees.

Keep people and pets off treated areas until dust has settled.

#### APPLICATION DIRECTIONS

TABLE 1: Recommended Application Use Rates* (Lbs. of this product/1,000 sq. ft.)			
PROGRAM	1	2	3
USE (turfgrass cut)	Preemergence (high)	Preemergence (low)	Preemergence (low)
		Postemergence (high)	Postemergence (low)
REGION			
North	2.8	4.0	5.5
Transition	4.0	5.5	8.4
South	5.5	8.4	11.0**
Coastal South	8.4	11.0**	11.0**

\*DO NOT apply more than 11 lbs. per application, and no more than 33 lbs. per year. Postemergence control is limited; see "Crabgrass Control" and "Precautions" sections above. Regions include areas listed below.

North: All other areas  
 Transition: DE, KS, KY, MD, MO, NJ,VA, southeastern PA, southern areas of IL, IN, OH, & coastal areas of CT, NY, & RI  
 South: AL, AR,AZ,CA,GA,LA,MS,NC,NM,NV,OK,SC,TN, & TX  
 Coastal South: HI, FL, & southern coastal areas of AL, GA, LA, MS, NC, SC, & TX.

\*\*May require split or sequential application for full control.

#### Control of Crabgrass

**Preemergence and Early Postemergence Control:** This product provides "preemergence" control of crabgrass (including the large, smooth, and southern species) when applied prior to the emergence of crabgrass from the ground in established lawns and ornamental turfs. It can also provide "early postemergence" control of crabgrass during the early stages of crabgrass growth after the crabgrass has emerged from the ground. However, it is often difficult to see the very small, early stages of crabgrass in well-established lawns and ornamental turfs. Postemergence crabgrass control will be obtained only when this product is applied prior to the tillering of crabgrass, which generally corresponds to the time when you can first easily see the crabgrass plants in the lawn or turf. So the practical benefit on this product's additional, early postemergence activity is that (compared to strictly preemergence crabgrass.products) it can give the user a 2-4 week longer period of time to make applications and still control crabgrass.

**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. DO NOT apply more than 11 lbs. per application, and no more than 33 lbs. per 1,000 sq. ft. per year. Do not apply more than 1.5 lb ai/A of dithiopyr per year. Maximum single application rate at 0.5 lb a.i./A.

**Spring Applications:** For single applications made in the spring or early summer, this product should be applied at the appropriate rate corresponding to one of the three control programs listed in Table 1 below, depending on the user's location, the turfgrass mowing height, and whether the use is considered to be preemergence or early postemergence at the time of the application. The duration of residual weed control provided by this product is directly related to the total rate applied, but will vary somewhat depending on weather, weed pressure, turfgrass competitiveness, and the user's location within a region.

Use Program 1 for preemergence control at sites where the turfgrass is cut high (e.g., homeowner lawns). This program provides 3-5 months of preemergence crabgrass control. This program should not be used for early postemergence crabgrass control.

Use Program 2 for preemergence control at sites where (a) turfgrass is cut low (e.g., golf fairways), and (b) turfgrass 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 at sites where turfgrass is cut high (e.g., homeowner lawns).

Use Program 3 for preemergence control at sites where (a) turfgrass is cut 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 at sites where turfgrass is cut low (e.g., golf fairways).

Subsequent, sequential pre- and/or postemergence applications should be made where longer periods of control are desired.

Where split fertilizer applications are recommended, the rates in Table 1 may be split across two applications made 6-10 weeks apart and prior to crabgrass emergence.

**Fall Applications:** This product can also be applied in the late summer or early fall (late August through November) at the "Program 3" use rates listed in Table 1 to provide control of crabgrass through the early part of the next spring. The fall application should be followed by an appropriate spring application to provide season-long control.

**Tips for Improved Control:** Apply this product within a few days after mowing and delay mowing again for a few days after the application. When treated lawn or ornamental turf areas are watered or receive significant rainfall within a few days after application of this product, improved weed control may result. Use of split (half-rate) applications spaced 6-8 weeks apart may provide improved weed control.

#### CONTROL OF OTHER GRASS AND BROADLEAF WEEDS

**Spring Applications:** Used as directed for crabgrass control in the spring, this product will also control (at the "Program 3" rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence: barnyardgrass, bluegrass (annual, roughstalk), crowfootgrass, foxtail (yellow & green)\*, goosegrass, kikuyugrass, ryegrass (annual & perennial), smutgrass, lespedeza (common), oxalis (buttercup, creeping & yellow woodsorrel), purslane (common), speedwell (corn), spurge (prostrate & spotted). \*Also controlled at the "Program 2" rates.

**Fall Applications:** Used as directed for late summer or early fall use, for crabgrass control through the early part of the next spring, this product will also control (at the "Program 3 rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence: bluegrass (annual) -*Poa annua*, bittercress, chickweed, henbit, geranium (Carolina), parsley-piert, pine-appleweed, shepherdspurse.

#### APPLICATION EQUIPMENT AND INSTRUCTIONS

Apply this product with drop or rotary-type spreaders designed to apply granular herbicides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Before each application, calibrate the spreader settings such that the spreader delivers the appropriate application rate recommended above. Apply this product uniformly over the lawn or ornamental turf area. A more uniform application can be made by spreading half of the required amount over the area and then applying the remaining half at a right angle to the previous direction. Avoid streaking, skips, or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

SUGGESTED SPREADER SETTINGS						
<i>These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product.</i>						
50 lbs. covers 17,800 sq. ft. (0.41 acre) at the 122 lbs. product/acre - LIGHT RATE (2.8 lbs/1,000 sq. ft.)						
50 lbs. covers 12,500 sq. ft. (0.29 acre) at the 174 lbs. product/acre - LOW RATE (4.0 lbs/1,000 sq. ft.)						
50 lbs. covers 9,000 sq. ft. (0.21 acre) at the 240 lbs. product/acre - MEDIUM RATE (5.5 lbs/1,000 sq. ft.)						
50 lbs. covers 5,900 sq. ft. (0.14 acre) at the 366 lbs. product/acre - HIGH RATE (8.4 lbs/1,000 sq. ft.)						
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS			
			LIGHT RATE 0.13 lbs. ai/A	LOW RATE 0.18 lbs. ai/A	MEDIUM RATE 0.25 lbs. ai/A	HIGH RATE 0.38 lbs. ai/A
Andersons Model 2000 / AccuPro 2000 (cone 6); Andersons 2000 SR / SR-2000 (cone 6)	3 mph	11 feet	K 1/4	M	N 1/2	Q 1/2
Scotts R-8, R-8A (cone 6)	3 mph	11 feet	J 1/4	K 1/2	M 1/2	P 1/2
Lesco 020093 (pattern 0.25)	3 mph	7 feet	D 1/2	E 1/2	F	G 1/2
Lesco 705698 (pattern 0.25)	3 mph	7 feet	I1	I3	I4	I7
Lely Models WTR, WFR, HR, 1250 (PTO at 450 rpm) Pattern III-C	4.5 mph	34 feet	4 3/4	5 3/4	6 1/2	7 3/4
Vicon (03 Series)	4.5 mph	28 feet	Z1	Z6	Z1	Z40

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.  
**STORAGE:** Keep container closed and away from foods, feedstuff, and domestic water supplies.  
**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate, is a violation of Federal Law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.  
**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment. If not available, then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State or local authorities, by burning. If burned, stay out of smoke.

#### IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

#### WARRANTY DISCLAIMER and LIMITATION OF LIABILITY:

Manufacturer 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. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

#### LEGAL RIGHTS:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

Product of USA

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## SGN 150

## Net Wt. 40 Lbs. (18.14 kg)



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