



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

May 7, 2019

Jennifer Hughes  
Regulatory Manager  
Dow AgroSciences, LLC  
9330 Zionsville Rd., 308/2E  
Indianapolis, IN 46268-1054

Subject: Notification per PRN 98-10 – Update MOA and Resistance Management Sections per  
PR Notices 2017-1 & 2017-2  
Product Name: Dimension 0.25% FG  
EPA Registration Number: 62719-492  
Application Date: November 29, 2018  
Decision Number: 550646

Dear Ms. Hughes:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, please contact me at [ondish.mindy@epa.gov](mailto:ondish.mindy@epa.gov) or at (703)605-0723.

Sincerely,

A handwritten signature in cursive script that reads "Mindy Ondish".

Mindy Ondish  
Product Manager 23  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

[Sub Label A: Commercial Use]

[Front Panel of Bag]

<b>DITHIOPYR</b>	<b>GROUP</b>	<b>3</b>	<b>HERBICIDE</b>
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# Dimension<sup>®</sup> 0.25% FG

## 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 fairways, roughs and tee boxes, and sod farms**

[XX Lbs] Covers up to XX,000 sq ft (XXX' x XX')  
and/or

This bag covers XX,000 sq ft

*In the state of New York, this product may be applied only by commercial applicators at a minimum of 100 lb (0.25 lb active ingredient) per acre (2.3 lb per 1000 sq ft) and no more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per year. Use of this product in Nassau and Suffolk counties of New York is prohibited.*

<b>GROUP</b>	<b>3</b>	<b>HERBICIDE</b>
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### NOTIFICATION

62719-492

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

05/07/2019

Active Ingredient

dithiopyr: 3,5- pyridinedicarbothioic acid, 2-(difluoromethyl)- 4-(2-methylpropyl)-6- (trifluoromethyl)-S,S-dimethyl ester .....	0.25%
Other Ingredients .....	99.75%
Total .....	100.00%

This product contains 0.125 pound of the active ingredient dithiopyr per 50 pound bag.

### Guaranteed Fertilizer Analysis: XX-XX-XX<sup>†</sup>

Total Nitrogen (N) .....	XX%
XX% Ammoniacal Nitrogen	
XX% Nitrate Nitrogen	
XX% Water-Insoluble Nitrogen*	
XX% Urea Nitrogen**	
XX% Slowly available water soluble Nitrogen.	
XX% Other Water Soluble Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )*** .....	XX%
Soluble Potash (K <sub>2</sub> O).....	XX%
Calcium (Ca) .....	XX%
Magnesium (Mg) .....	XX%
XX% Water Soluble Magnesium (Mg)	
Sulfur****	
XX% Combined Sulfur (S)	
Boron (B) .....	XX%
Chlorine (Cl) [Max, not more than] .....	XX%

Cobalt (Co)..... XX%  
 Copper (Cu)..... XX%  
 Iron (Fe)..... XX%  
     XX% Chelated Iron (Fe)  
     XX% Water Soluble Iron (Fe)  
 Manganese (Mn) ..... XX%  
     Water Soluble Manganese (Mn) ..... XX%  
 Molybdenum (Mo) ..... XX%  
 Nickel (Ni)..... XX%  
 Sodium (Na)..... XX%  
 Zinc (Zn)..... XX%  
     XX% Chelated Zinc (Zn)

\*[XX]% Water insoluble nitrogen from biosolids.

\*\*[XX]% coated slow release Nitrogen (N)

\*\*[XX]% Slowly available [urea] nitrogen from [poly coated] [polymer/sulfur] coated urea

\*\*[XX]% Slowly available nitrogen from methylene ureas

\*\*[XX]% Slowly available nitrogen from ureaform

\*\*[XX]% Slowly available nitrogen from BioSolids

\*\*[XX]% Stabilized urea nitrogen or [urea] nitrogen stabilized with dicyandiamide

\*\*\*[XX]% Free Sulfur (S)

Derived From: [XX]<sup>†</sup>

Primary plant foods derived from: [XX]<sup>†</sup>

Secondary plant foods derived from [XX]<sup>†</sup>

Iron derived from: [XX]<sup>†</sup>

Density – XX lb./cu.ft

**[Editor's Note: the following information may be added in the boxes above, this footnote must be deleted from the label after completion of the above Fertilizer Analysis data]**

<sup>†</sup> Urea, methylene urea, sulfur coated urea, polymer coated urea, poly[mer] coated sulfur coated urea, urea formaldehyde, ureaform, ammonium sulfate, corn gluten, bio-solids (Milorganite, Nutri-pel, composted poultry manure), activated sewage sludge, diammonium phosphate, monoammonium phosphate, magnesium ammonium phosphate hexa-hydrate, triple super phosphate, ammoniated phosphates, sulfate of potash, muriate of potash, sulfate of potash-magnesia, potassium nitrate, copper oxide, copper sulfate, iron/ferric oxide, iron/ferrous sucate, iron/ferrous oxy-sulfate, iron/ferrous sulfate, manganese oxide, molybdc oxide, manganese sulfate, manganese sucate, zinc oxide, zinc sulfate, sodium borate, boron, sulfur, sodium molybdate, stabilized nitrogen, potassium magnesium sulfate, ferrous sulfate monohydrate, magnesium sulfate or limestone.

**Keep Out of Reach of Children**

**CAUTION**

[Optional Label Claims]

**A Selective Preemergent Herbicide Plus Fertilizer Combination Product that Provides Control of Crabgrass and other listed Weeds in Established Lawns and Ornamental Turfgrasses and Residential Landscapes.**

**Premium Granular Fertilizer - Providing the Nutrients Needed for Beautiful Healthy Lawn/Turfgrass and Ornamentals.**

**Contains Dimension® Herbicide - A Highly Effective Herbicide for Crabgrass Control!**

**Greater application flexibility: Can be applied 4 weeks after preemergent crabgrass timing and still control crabgrass.**

**This Bag Treats Up To\_\_\_\_\_ Square Feet**

**[Dimension®] Controls crabgrass and many other listed annual grasses and broadleaf weeds**

**Stops crabgrass even after germination**

**[Dimension®] This product will control crabgrass if applied before it emerges and up to 4 weeks after it emerges**

**Season-long crabgrass control**

**Prevents crabgrass & feeds [fertilize(s)] in one application**

**Prevents crabgrass and listed annual weeds and grasses**

**Control young crabgrass plants when applied according to labeled directions**

**Apply late summer and early fall to control LISTED winter weeds**

**Apply Early Spring [prior to crabgrass germination]**

**Apply Late Winter/Early Spring or Fall [Prior to Weed Germination]**

**First [1<sup>st</sup>] Application Apply Early Spring**

**Application One [1] Apply Early Spring**

**Apply Early Spring or Fall [to Get Control of Weeds Listed on this Label Other Than Crabgrass Apply Prior to Germination]**

**Controlled [Slow] release nitrogen for extended feeding**

**Quick Spring Green-Up following a Fall Application**

**Contains Iron for deep greening**

**Iron enriched [formula]**

**Deep greening [formula]**

**Slow release nitrogen feeds your lawn/turfgrass over [x] months. [Note: The “x” represents the amount of months the fertilizer feeds depending on what we use (i.e. methylene urea, PCSCU)]**

**Phosphorus [Phosphate] free [formula] (Only to be used on fertilizer formulations containing no phosphorus)**

**Zero Phosphorus (Only to be used on fertilizer formulations containing no phosphorus)**

**Rich Green Lawn/Turfgrass**

**Long-lasting Feeding**

**1<sup>st</sup> [First] Application Apply Early Spring**

**100% Satisfaction Guaranteed or Your Money Back!**

**Fortified with Milorganite [Note: Milorganite (logo/graphic) Need to move logo outside of label text (above product name, on side of label or below text)]**

**Contains Non-Burning, Slow-Release Nitrogen and Iron for Deep Greening**

**Contains Non-Burning Nitrogen**

**Contains Slow-Release Nitrogen**

**Formulated for Wisconsin**

**Controlled Release [Fertilizer] Technology feeds [lawn/turfgrass] for 2+ months**

**UFLEXX™**

**UFLEXX™ is a trademark of AGROTAIN International, LLC.**

**UFLEXX™ is a trademark of Koch Fertilizer, LLC.**

**UMAXX®**

**UMAXX® is a registered trademark of AGROTAIN International, LLC.**

**Contains SCU [Sulfur Coated Urea]**

**N-Sure®**

**N-Sure is a registered trademark of Tessenlerlo Kerley**

**with XCU®**

**XCU is registered trademark of Agrium**

**XCU is registered trademark of Koch Fertilizer, LLC**

**Apex-10™ Specialty Nutritionals**

**Crystal Green® slow-release nutrient technology**

**Crystal Green is a registered trademark of Ostara Nutrient Recovery Technologies**

**Agrotain® Ultra**

**Agrotain is a registered trademark of Koch Agronomic Services**

**RXN XXX – [The % RxN (Agrotain Ultra) is indicated by the number built into the logo and can range from 20 to 100.]**

**STN XXX – [The % STN is indicated by the number built into the logo and can range from 25 to 100]**

**STU [Agrotain Ultra]**

**Mini (indicates SCN 150 sizing)**

**Am-Sul (ammonium sulfate)**

**PCSCU (poly coated sulfur coated urea)**

**PCU (polymer coated urea)**

**SOP (sulfate of potash)**

**Contains Organic/Organic Filler/Biosolids (Milorganite, Nutri-pel, composted poultry manure)**

**Methylene Urea (slow release urea – urea formaldehyde)**

**Ureaform (slow release urea – urea formaldehyde)**

**MicroNutrients (micronutrient package)**

**% Fe (varying percent of iron in blend)**

**Growing a Better World [Harrell's Private Labels Only]**

**[Contains] Harrell's PROFertilizer**

**Harrell's Logo**

**Regain [Spring Valley Labels Only]**

**MESA® Patented [Lebanon Seaboard Private Labels Only]**

**Meth-Ex® [Lebanon Seaboard Private Labels Only]**

**Expo potassium sulfate [Lebanon Seaboard Private Labels Only]**

**With LSN – LebanonTurf Stabilized Nitrogen [Lebanon Seaboard Private Labels Only]**

**[Green Smart] Enhanced efficiency fertilizer [GreenSmart] for a Green Lawn/Turfgrass [Lebanon Seaboard Private Labels Only]**

**Contains LESCO® Poly Plus® Polymer Coated Urea to provide uniform growth with extended nitrogen feeding. Poly Plus is comprised of Polymer Coated Urea. [John Deere Landscapes/LESCO Private Labels Only]**

**LESCO and Poly Plus are registered trademarks and the sweeping design is a trademark of LESCO Technologies, LLC. [John Deere Landscapes/LESCO Private Labels Only]**

**Wolf Trax DDP (Dispersable Dry Powder) Fe (Iron) Mn (Manganese), Zn (Zinc) Micronutrients**

**Turf Grade/Mini Fairway Grade: Size Guide Number SGN XXX** [The text box may have any combination of SGNs listed within the box. 80, 100, 145, 150, 195, 200, 210, 220, 230]

**Duration XXX – Average nutrient release XXX days** [The text box below may have any combination of the % Durations listed within the box. Duration 180 - Duration 120 - Duration 90 - Duration 45]

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.html>

Information regarding the contents and levels of metals in this product is available on the Internet at:

- California Regulatory Site: <https://apps1.cdfa.ca.gov/FertilizerProducts/>
- Oregon Regulatory Site: [http://oda.state.or.us/dbs/heavy\\_metal/search.lasso](http://oda.state.or.us/dbs/heavy_metal/search.lasso)
- Washington Regulatory Site: <http://agr.wa.gov/> or <http://agr.wa.gov/PestFert/Fertilizers/ProductDatabase.aspx>
- <http://www.aapfco.org/metals.html>
- <http://www.regulatory-info-lpi.com>

It is a violation of law in Maryland, New Hampshire, and New Jersey to apply this product to turf at a rate that results in greater than 0.7 lb per 1,000 sq.ft. of readily available nitrogen or more than 0.9 lb per 1,000 sq.ft. of total nitrogen with a least 20% of which shall consist of slow release nitrogen per application. Additional restrictions apply to total nitrogen applied to turf per season. Other state and local restrictions may apply. [Maryland, New Hampshire, or New Jersey Applications]

No more than 0.7 lb per 1,000 sq.ft. of readily available nitrogen during any given 30 day period. No more than 0.9 lb (cool season grasses) or 1.0 lb (warm season grasses) per 1,000 sq.ft. of total nitrogen with a least 20% of which shall consist of slow release nitrogen during any given 30 day period. [Virginia Applications]

Do not apply near water storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn, and sweep any product that lands on the driveway, sidewalk, or street back onto your lawn and garden. [Maryland Applications]

This fertilizer contains phosphorus and may not be used on turf in the state of Maryland except when 1) providing nutrients to specific soils and target vegetation as determined to be necessary in accordance with a soil test that was conducted by a laboratory identified under §8-803.7 of the Agriculture Article, Annotated Code of Maryland, performed no more than 3 years before the application; 2) establishing vegetation for the first time, such as after land disturbance, provided the application is conducted in accordance with the recommended application rates established by the State; or 3) reestablishing or repairing a turf area. [Maryland Applications which contain Phosphorus] Not for use on established lawns or grass in MD. [If phos >5% and is not classified as a “starter” fertilizer]

In Virginia and New Jersey this lawn/turf fertilizer contains phosphorous and is only for nonagricultural use on (i) turf during its first growing season, (ii) on turf areas being repaired or renovated, and (iii) on turf where a soil test performed within the last 3 years indicates a phosphorous deficiency. This fertilizer is not for the routine maintenance of turf. [Virginia and New Jersey Applications which contain Phosphorus]

Apply only to actively growing turf. Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn, and sweep any product that lands in the driveway, sidewalk, or street, back onto your lawn. Check with your local

**Cooperative Extension Agency to obtain specific information on local turf best management practices. Check with your county or city government to determine if there are local regulations for fertilizer use. [FL Language for Specialty Products]**

**The maximum rate of application of this product must not exceed the lesser of the applicable rate determined from the [Table [XX]: Use Rates or Broadcast Application Rates], and the applicable rate determined in the State Nutrient Restrictions table.**

#### **STATE NUTRIENT RESTRICTIONS**

State	Readily Available Nitrogen* lbs/1,000 sq ft	Total Nitrogen lbs/1,000 sq ft
MD, NH, VA	0.7	0.9
NJ	0.7	1.0
XXX	XXX	XXX

\* Nitrogen present beyond the amount shown as Readily Available must be in the form of Slow-Release nitrogen

**Note: Supplemental applications of fertilizer are needed to achieve a minimum 1lb Nitrogen per 1,000 sq ft.**

**Maximize your lawn/turfgrass**

**Stein Policy - 100% Satisfaction Guaranteed - If for any reason you are not satisfied with the results after using this premium product, you are entitled to replacement bags of fertilizer or your money back. Simply bring proof of purchase to any Stein Garden Center. [EC Grow Private Labels Only]**

**If, after using this product, you are dissatisfied with the results, simply mail the sales receipt, a brief description of the problem and your contact information to the address listed below for a refund of the purchase price of the product. EC Grow • PO Box 837 • Eau Claire, WI 54702 [EC Grow Private Labels Only]**

**If you have questions or comments regarding the quality of this product, please write to Turf Care Supply Corp. at the address below, or call Customer Service at 877-220-1014 [1306] between the hours of 9 A.M. and 5 P.M., Eastern Time, Monday through Friday. Please refer to the item number found on this bag when writing or calling. [Turf Care Supply Private Labels Only]**

**This product contains polymer-coated Enhanced Efficiency Fertilizer technology. As your lawn/turfgrass demands nutrients, nitrogen is released slowly into the soil for plant root uptake. This controlled-release approach eliminates surge growth and provides predictable feeding for over two months. All Menards Premium fertilizer products contain Enhanced Efficiency Fertilizer which ensures consistent feeding, deep greening, and promotes overall lawn/turfgrass health. SPREAD IT & FORGET IT and the SPREAD IT & FORGET IT logo are registered trademarks of Koch Agronomic Services, LLC.**

**DURATION CR and the DURATION CR logo are registered trademarks of Koch Agronomic Services, LLC.**

**The KOCH logo is a trademark of Koch Industries, Inc. © 2014 Koch Agronomic Services, LLC.**

**STA-GREEN® is used under license to Central Garden and Pet Company**



**CONTROLLED-RELEASE FERTILIZER**

**ENGINEERED FOR PERFORMANCE**

**DRIVEN BY DURATION CR**

**Made in USA**

**All N™ [Contains Arborite®]**

Arborite® is a registered trademark of the Weyerhaeuser NR Company  
NITROLOCK TECHNOLOGY™ is a trademark of The Gavilon Group, LLC  
ALL N is a trademark of Turf Care Supply Corp.

**SurfCote™ - Sustained Uniform Release Fertilizer Continuously Provides Nutrients**

**Feed your lawn and your soil**

**Remember to “Feed your soil”**

**The New American Lawn**

**Enhance your turfcare program by applying other [Insert Company Name] products throughout the season. Refer to point of purchase literature for details.**

- **Early Spring**
- **Late Spring**
- **Summer**
- **Fall**

**Your Prescription for a Picture Perfect Lawn**

**Turf Care Supply Corp – Manufacturing**

**Turf Care Supply Corp - TCS GrowStar Premier Turf Products**

**Premier Turf Products**

**Manufactured in the USA [Note: Only used if all inerts are produced in US, and formulation is manufactured in US]**

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**Precautionary Statements**

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**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.**

**User Safety Recommendations**

**Users should:**

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
- Remove clothing/PPE if pesticide gets inside. Then wash thoroughly and put on clean clothing.

### First Aid

**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 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 further treatment advice.

**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 [or 1-800-XXX-XXXX] 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 washwaters.

**Refer to back of bag for Directions for Use including Storage and Disposal.**

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

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

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

EPA Reg. No. 62719-492

EPA Est. \_\_\_\_\_

®Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

**Produced by/for:**

**Manufactured by/for:**

**Distributed by/for:**

**Guaranteed by:**

**Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268**

**NET WEIGHT \_\_\_\_\_**

[Back Panel of Bag]

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### Directions for use

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

#### 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 must 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 burning. If burned, stay out of smoke.

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### Use Directions for Turf

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Dimension® 0.25% FG 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, and sod farms. 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 turfgrasses 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 turfgrasses that are not well-established, or weakened by stress from weather, pests, disease, chemical, or mechanical influences, may increase the chances of turf injury.

**[Editor's note: Supplemental distributor will add one of the following statements as appropriate if their product is registered in the state of Florida.]**

- Florida Applications: Do not exceed [2] [3] applications per year on bahiagrass in the north. Do not apply more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per application or more than 600 lb (1.5 lb active ingredient) per acre (13.8 lb per 1000 sq ft) per year if using split or sequential applications.
- Florida Applications: Do not exceed [2] [3] [4] applications per year on bahiagrass in [central Florida] [the south]. Do not apply more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per application or more than 600 lb (1.5 lb active ingredient) per acre (13.8 lb per 1000 sq ft) per year if using split or sequential applications.
- Florida Applications: Do not exceed [3] [4] [5] applications per year on bermudagrass in the north. Do not apply more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per application or more than 600 lb (1.5 lb active ingredient) per acre (13.8 lb per 1000 sq ft) per year if using split or sequential applications.
- Florida Applications: Do not exceed [4] [5] [6] applications per year on bermudagrass in central Florida. Do not apply more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per application or more than 600 lb (1.5 lb active ingredient) per acre (13.8 lb per 1000 sq ft) per year if using split or sequential applications.
- Florida Applications: Do not exceed [5] [6] [7] applications per year on bermudagrass in the south. Do not apply more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per application or

- more than 600 lb (1.5 lb active ingredient) per acre (13.8 lb per 1000 sq ft) per year if using split or sequential applications.
- Florida Applications: Do not exceed [1] [2] applications per year on centipedegrass in the north. Do not apply more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per application or more than 600 lb (1.5 lb active ingredient) per acre (13.8 lb per 1000 sq ft) per year if using split or sequential applications.
  - Florida Applications: Do not exceed [2] [3] applications per year on centipedegrass in [central Florida] [the south]. Do not apply more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per application or more than 600 lb (1.5 lb active ingredient) per acre (13.8 lb per 1000 sq ft) per year if using split or sequential applications.
  - Florida Applications: Do not exceed [2] [3] [4] applications per year on St. Augustinegrass in the north. Do not apply more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per application or more than 600 lb (1.5 lb active ingredient) per acre (13.8 lb per 1000 sq ft) per year if using split or sequential applications.
  - Florida Applications: Do not exceed [2] [3] [4] [5] applications per year on St. Augustinegrass in central Florida. Do not apply more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per application or more than 600 lb (1.5 lb active ingredient) per acre (13.8 lb per 1000 sq ft) per year if using split or sequential applications.
  - Florida Applications: Do not exceed [4] [5] [6] applications per year on St. Augustinegrass in the south. Do not apply more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per application or more than 600 lb (1.5 lb active ingredient) per acre (13.8 lb per 1000 sq ft) per year if using split or sequential applications.
  - Florida Applications: Do not exceed [3] [4] [5] applications per year on zoysiagrass in the north. Do not apply more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per application or more than 600 lb (1.5 lb active ingredient) per acre (13.8 lb per 1000 sq ft) per year if using split or sequential applications.
  - Florida Applications: Do not exceed [3] [4] [5] [6] applications per year on zoysiagrass in central Florida. Do not apply more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per application or more than 600 lb (1.5 lb active ingredient) per acre (13.8 lb per 1000 sq ft) per year if using split or sequential applications.
  - Florida Applications: Do not exceed [4] [5] [6] applications per year on zoysiagrass in the south. Do not apply more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per application or more than 600 lb (1.5 lb active ingredient) per acre (13.8 lb per 1000 sq ft) per year if using split or sequential applications.
  - 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 turfgrass species listed on this label. The following turfgrass species are tolerant to this product when applied as directed:

<b>Cool-Season Grasses</b>	
Bentgrass, creeping <sup>†</sup>	<i>Agrostis palustris</i>
Bluegrass, Kentucky	<i>Poa pratensis</i>
Fescue, fine <sup>††</sup>	<i>Festuca rubra</i>
Fescue, tall	<i>Festuca arundinacea</i>
Ryegrass, perennial	<i>Lolium perenne</i>
<b>Warm-Season Grasses</b>	
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 turfgrass 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', 'Bilgart', '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 turfgrass is fully green and has established new roots.

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

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

- Reseeding, overseeding, 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 4.6 lb/1000 sq ft (0.5 lb active ingredient per acre) or more may inhibit the establishment of desirable turfgrasses.
- When reseeding or overseeding, follow established cultural practices for seedbed preparation, seeding, irrigation and fertilization.
- For best overseeding results, use mechanical or power seeding equipment (slit seeders) designed to provide good contact between soil and seed.

#### Precautions for Control of Crabgrass

Early postemergence weed control with this product is limited to crabgrass. Postemergence 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 turfgrass has recovered from the mechanical injury caused by these cultural practices.

#### Use Restrictions

- **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.

#### Application Directions For Turf

Apply Dimension® 0.25% FG turf and ornamental herbicide with equipment that provides a uniform particle distribution. Calibrate application equipment prior to usage. Avoid streaking, skips, or excess overlaps during application.

#### Preemergence Application Rates, Frequency and Timing

For preemergence grass and broadleaf weed control, apply Dimension® 0.25% FG turf and ornamental herbicide as single or sequential application at 100 to 200 pounds (0.25 to 0.5 lb active ingredient) per acre. Applicators may choose to make a single application or sequential applications at 100 to 200 pounds per acre at 5 to 10 week intervals based on one or more of the factors listed below. Avoid streaking, skips, or excess overlaps during application.

- Length of residual weed control desired
- Height of turf (lower cut turf may require higher use rates)
- History and success of weed control at the application site (use higher listed application rates if herbicide treatment history is unknown or weed control was poor with previous applications)
- Exposure to high temperatures and heavy rainfall or irrigation (this will shorten the residual preemergence performance)
- On turf sites adjacent to hard surfaces including driveways, sidewalks and parking lots where residual activity may be reduced
- Some target weed species (such as but not limited to *Poa annua*, goosegrass and sandbur) will require higher use rates

### **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 Turfgrass Uses)**

- **Do not** apply more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per application.
- **Do not** apply more than 6 times per year and do not apply more than 600 lb (1.5 lb active ingredient) per acre (13.8 lb per 1000 sq ft) per year if using split or sequential applications.
- To minimize the potential for plant injury, do not make additional applications within five weeks of the previous application.
- In the state of New York, this product may be applied only by commercial applicators at no more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per year. Use of this product in Nassau and Suffolk counties of New York is prohibited.

## **Control of Crabgrass**

### **Preemergence and Early Postemergence Applications from Late Winter through Summer**

- 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 at use rates from 100 to 200 pounds of product (0.25 to 0.5 lb ai) per acre .
- This product also provides "early postemergence" control of crabgrass if applied in late spring or early summer 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 turfgrass. The practical benefit of early postemergence crabgrass control is a 2 - 4 week longer period of time (window of application) during which crabgrass control can be achieved.

### **Fall Application**

This product can also be applied in the late summer through early fall (late August through November) at use rates from 100 to 200 pounds per acre to provide control of crabgrass 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 preemergence (prior to germination) for control of crabgrass in the spring, this product will also control or suppress the following weeds:

**Grasses**

barley	<i>Hordeum</i> spp.
barnyardgrass	<i>Echinochloa crus-galli</i>
bluegrass, annual	<i>Poa annua</i>
brome	<i>Bromus</i> spp.
crabgrass, large	<i>Digitaria sanguinalis</i>
crabgrass, smooth	<i>Digitaria ischaemum</i>
crabgrass, Southern	<i>Digitaria ciliaris</i>
crowfootgrass †	<i>Dactyloctenium aegyptium</i>
dallisgrass (seedling)	<i>Paspalum dilatatum</i>
goosegrass	<i>Eleusine indica</i>
foxtail, green	<i>Setaria Verdi</i>
foxtail, yellow	<i>Setaria faberi</i>
kikuyugrass †	<i>Pennisetum clandestinum</i>
oats, wild	<i>Avena fatua</i>
ryegrass (annual & perennial)	<i>Lolium</i> spp.
sandbur	<i>Cenchrus</i> spp.
smutgrass	<i>Sporobolus indicus</i>

**Broadleaf Weeds**

bittercress †	<i>Cardamine</i> spp.
carpetweed	<i>Mollugo verticillata</i>
chickweed †	<i>Stellaria</i> spp.
geranium, Carolina †	<i>Geranium carolinianum</i>
henbit	<i>Lamium</i> spp.
knotweed, prostrate	<i>Polygonum aviculare</i>
lespedeza, common †	<i>Lespedeza striata</i>
marestail	<i>Conyza canadensis</i>
medic, black	<i>Medicago lupulina</i>
mustard	<i>Brassica</i> spp.
oxalis, buttercup	<i>Oxalis pes-caprae</i>
pineappleweed †	<i>Matricaria matricarioides</i>
pigweed, redroot	<i>Amaranthus retroflexus</i>
parsley-piert †	<i>Alchemilla arvensis</i>
purslane, common	<i>Portulaca oleracea</i>
rocket, London	<i>Sisymbrium irio</i>
shepherdspurse	<i>Capsella bursa-pastoris</i>
speedwell, corn †	<i>Veronica arvensis</i>
spurge, garden	<i>Euphorbia hirta</i>
spurge, prostrate	<i>Euphorbia humistrata</i>
spurge, spotted	<i>Euphorbia maculata</i>
woodsorrel, creeping	<i>Oxalis corniculata</i>
woodsorrel, yellow	<i>Oxalis stricta</i>

† Suppression only

**Fall Application:** When applied preemergence (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 preemergence control of crabgrass in the following spring.

bluegrass, annual	<i>Poa annua</i>
bittercress	<i>Cardamine</i> spp.
chickweed	<i>Stellaria</i> spp.
henbit	<i>Lamium</i> spp.
geranium, Carolina	<i>Geranium carolinianum</i>
parsley-piert	<i>Alchemilla arvensis</i>

pineappleweed  
shepherdspurse

*Matricaria matricarioides*  
*Capsella bursa-pastoris*

## WEED RESISTANCE MANAGEMENT

Dimension 0.25% FG, which contains the active ingredient dithiopyr is a Group 3 herbicide based on the mode of action classification system of the Weed Science Society of America.

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is a best practice. A diversified weed management program may include the use of multiple herbicides with different modes of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistance.

The continued effectiveness of this product depends on the successful implementation of a weed resistance management program.

To aid in the prevention of developing weeds resistant to this product, users should:

- Scout fields before application to ensure herbicides and rates will be appropriate for the weed species and weed sizes present.
- Start with a clean field, using either a burndown herbicide application or tillage.
- If using post-emergence herbicides or tank mixes, control weeds early when they are relatively small.
- Apply full rates of Dimension 0.25% FG for the most difficult to control weed in the field at the specified time to minimize weed escapes.
- Scout fields after application to detect weed escapes or shifts in control of weed species.
- Control weed escapes before they reproduce by seed or proliferate vegetatively.
- Report any incidence of non-performance of this product against a particular weed to your local company representative, local retailer, or county extension agent.
- Contact your local company representative, crop advisor, or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified for your local conditions. Tank mix products so that there are multiple effective modes of action for each target weed.
- If resistance is suspected, treat weed escapes with an herbicide having a mode of action other than Group 3 and/or use nonchemical methods to remove escapes, as practical, with the goal of preventing further seed production.
- Suspected herbicide-resistant weeds may be identified by these indicators:
  - Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
  - A spreading patch of non-controlled plants of a particular weed species; and
  - Surviving plants mixed with controlled individuals of the same species.

Additionally, users should follow as many of the following herbicide resistance management practices as is practical:

- Use a broad spectrum herbicide with other mode of action as a foundation in a weed control program, if appropriate.
- Utilize sequential applications of herbicides with alternative modes of action.
- Rotate the use of this product with non-Group 3 herbicides.
- Avoid making more than two sequential applications of Dimension 0.25% FG and any other Group 3 herbicides within a single growing season unless mixed with an herbicide with a different mode of action with an overlapping spectrum for the difficult-to-control weeds.
- Incorporate non-chemical weed control practices, such as mechanical cultivation, crop rotation, cover crops and weed-free crop seeds, as part of an integrated weed control program.



- Use good agronomic principles that enhance crop development and crop competitiveness.
- Thoroughly clean plant residues from equipment before leaving fields suspected to contain resistant weeds.
- Manage weeds in and around fields to reduce weed seed production.

### **Weed Resistance Management**

Dithiopyr, the active ingredient in this product, is a Group 3 herbicide based on the mode of action classification system of the Weed Science Society of America. Any weed population may contain or develop plants resistant to Group 3 herbicides. Resistant weeds may dominate the weed population if these herbicides are used repeatedly in the same field. Such resistant weed plants may not be effectively managed using Group 3 herbicides but may be effectively managed utilizing other herbicides alone or in mixtures from a different herbicide Groups that are labeled for control of these weeds and/or by using cultural or mechanical practices. However, an herbicide mode of action classification by itself may not adequately address specific weeds that are resistant to specific herbicides. Consult your local company representative, state cooperative extension service, professional consultants or other qualified authorities to determine appropriate actions for treating specific resistant weeds.

### **Best Management Practices**

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is recommended. A diversified weed management program may include the use of multiple herbicides with different modes of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistant weeds. Scouting after an herbicide application is important because it can facilitate the early identification of weed shifts and/or weed resistance and thus provide direction on future weed management practices. One of the best ways to contain resistant weed populations is to implement measures to avoid allowing weeds to reproduce by seed or to proliferate vegetatively. Cleaning equipment between sites and avoiding movement of plant material between sites will greatly aid in reducing the spread of resistant weed seed.

### **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 specified 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.

**[Editor's note: With available data Supplemental Distributor may add the following statement.]**  
**These settings were calibrated and field tested. However, age, condition of spreader speed of operations and evenness of terrain may require slightly different settings for desired coverage.**

Check equipment frequently to verify calibration and proper functioning.

**[Editor's note: Supplemental Distributor may add a table listing recommended application equipment and calibration settings.]**

Brand and Model of Spreader	Application Rates	Calibration Settings at Specified Rate					
	lb/1000 sq ft	2.3	XX	XX	XX	XX	4.6
lb/acre	100	XX	XX	XX	XX	200	

	lb nitrogen / 1000 sq ft	XX	XX	XX	XX	XX	XX
XXXXXXXX		XX	XX	XX	XX	XX	XX

[AND/OR]

Calibration Settings			
Rate	lbs. Product per 1,000 sq ft	lbs. Nitrogen per 1,000 sq ft	lbs A.I per acre
Low	2.3	XX	0.25
Medium	3.5	XX	0.38
High	4.6	XX	0.5

[AND/OR]

Brand and Model of Spreader	Calibration Settings (lb/1000 sq ft)*		
	Low	Medium	High
XXXXXXXX	XX	XX	XX
XXXXXXXX	XX	XX	XX
XXXXXXXX	XX	XX	XX

[\*These settings are approximate for the application rate shown per 1,000 square feet. You may need to adjust the spreader setting depending on walking speed, spreader condition and product]

## Use Directions for Landscape Ornamentals

Dimension 0.25% FG provides preemergence control or suppression of listed annual grass and broadleaf weeds in plantings of ornamental plants listed on this label. This product may be applied in ornamental gardens, parks, golf courses and residential areas where ornamental plants are grown for aesthetic purposes. Apply this product with a properly calibrated spreader that will provide uniform particle distribution. Follow instructions in the "Application Instructions and Equipment" section above.

## Use Rates

This product may be applied as a single application or split application. Split or sequential applications may be used to provide improved weed control or to provide extended weed control in areas with long growing seasons. To make a split application, divide the rate in the following table into separate applications made 5-10 weeks apart. Sequential applications may be made in the late summer following a spring application or in the spring after a fall application, provided maximum application rates per year given below are not exceeded.

Pounds of Product/Acre	Pounds of Product/1000 sq ft	Pounds of Product/100 sq ft †
200	4.6	0.46 (7.4 oz)

† Rate based on an area of 100 sq ft for treatment of small areas.

## Maximum Use Rates

- **Do not** apply more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per application
- Do not apply more than 6 times per year and do not apply more than 600 lb (1.5 lb active ingredient) per acre (13.8 lb per 1000 sq ft) per year if using split or sequential applications.
- To minimize the potential for plant injury, do not make additional applications within five weeks of the previous application

- In the state of New York, this product may be applied only by commercial applicators at no more than 200 lb (0.5 lb active ingredient) per acre (4.6 lb per 1000 sq ft) per year. Use of this product in Nassau and Suffolk counties of New York is prohibited.

## Application Timing and Restrictions

Dimension 0.25% FG is effective as a preemergence herbicide, but will not control established weeds. Applications to mulched areas or bare ground must be made prior to weed seed germination. The best weed control is obtained when applied to soil that is free of clods, weeds and debris such as leaves. Existing weedy vegetation may be controlled by hand weeding, cultivation or using postemergence herbicides prior to application.

### Tips for Improved Weed Control

- The 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.
- Avoid disturbance of treated areas. Loss of weed control may result if the treated soil surface is disturbed by soil mixing or tillage.

### Use Precautions

- To avoid foliar damage to ornamentals, irrigate immediately after application to remove any herbicide granules adhering to foliage.

### Use Restrictions

- **Do not** apply this product directly to bare roots of ornamental plants as injury may result.
- **Do not** incorporate this product into soil. Dilution of active ingredient and possible injury to plant roots may occur.
- **Do not** apply to soil around ornamental plants that are under stress resulting from drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides, or damage due to insects, nematodes or disease.
- **Do not** apply under conditions that would affect uniformity of application or distribution on the soil surface. Uneven product distribution will result in uneven weed control. Application under windy conditions can result in uneven distribution or cause herbicide granules to drift from the intended treatment area.
- Apply this product only to established ornamentals.
- **Do not** use on food producing trees and ornamentals.

## Weeds Controlled or Suppressed

Used as directed, Dimension 0.25% FG will control crabgrass and control or suppress other listed grass and broadleaf weeds when applied prior to their germination. **Refer to "Use Directions for Turf" section for a complete listing of weeds controlled or suppressed.** This product will not control established broadleaf weeds or grasses, except for crabgrass in early stages of development. The area to be treated should be free of weeds prior to application.

## Tolerant Ornamentals

The ornamentals listed below have shown tolerance to this product when applied according to directions in this label. However, this product has not been tested on all ornamental species, all cultivars of species on this label, or under all possible growing conditions. For species or cultivars not listed, only treat a few plants in a limited area and observe for tolerance under local growing conditions prior to large-scale use.

Common Name	Botanical Name	Tolerant Cultivars
abelia, dwarf	<i>Abelia X grandiflora</i>	nana

ajuga	<i>Ajuga reptans</i> <i>Ajuga genevensis</i>	bronze bronze beauty
almond, flowering	<i>Prunus glandulosa</i>	
apple †	<i>Malus pumila</i>	
arborvitae	<i>Thuja occidentalis</i>	nigra pyramidalis smaragh techny woodwardii
arborvitae, golden	<i>Thuja orientalis</i>	
aster, Chinese	<i>Callistephus chinensis</i>	dwarf queen
ash, green	<i>Fraxinus pennsylvanica</i>	
ash, mountain	<i>Sorbus aucuparia</i>	
ash, purple	<i>Fraxinus americana</i>	
azalea	<i>Rhododendron</i> spp.	brilliant buccaneer carror chimes (belgian) elsie lee exbury fashion hardijzer beauty hershey red higasa hinocrimson holland (hybrid) marion lee northern lights orange cup orchid lights snow southern charm
azalea, flame	<i>Rhododendron calendulaceum</i>	
azalea, kirishima		
bamboo, heavenly		
barberry	<i>Berberis thunbergii</i>	aurea dwarf pigmy green kobold pygmy red rose glow
barberry, purple		atropurpurea
basket flower	<i>Gaillardia grandiflora</i>	
bearberry (common)	<i>Arctostaphylos uva-ursi</i>	Massachusetts
bee balm	<i>Monarda didyma</i>	
begonia	<i>Begonia</i> spp.	
birch, river	<i>Betula nigra</i>	
blackeyed Susan	<i>Rudbeckia hirta</i>	goldstrum
blanket flower	<i>Gaillardia</i> spp.	
blueberry †	<i>Vaccinium</i> spp.	bluecrop blue jay jersey north blue northland
bottlebrush	<i>Callistemon citrinus</i>	
boxwood, Japanese		japonica
boxwood, weller	<i>Buxus sempervirens</i>	
broom	<i>Cytisus</i> spp.	moonlight
	<i>Genista pilosa</i>	Vancouver gold
bugle carpet		

camellia	<i>Camellia japonica</i> <i>Camellia sasanqua</i>	debutante mathotiana supreme chansonette
candy tuft	<i>Iberis</i> spp.	snow white
carex, variegated	<i>Carex</i>	
cedar, red	<i>Juniperus virginiana</i>	
celosia	<i>Celosia</i> spp.	
centaura	<i>Centaurea montana</i>	
cockscomb, plumosa	<i>Celosia cristata</i>	scarlet plumosa
coleus	<i>Coleus blumei</i>	red kewpie
columbine	<i>Aquilegia</i> spp.	
copper leaf	<i>Acalypha wilkesiana</i>	
coreopsis	<i>Coreopsis</i> spp.	moonbeam
corn flower	<i>Centaurea</i> spp.	
cotoneaster	<i>Cotoneaster apiculatus</i>	
coyotebrush	<i>Baccharis pilularis</i>	
cycads	<i>Cycads revoluta</i>	
cypress, bald	<i>Taxodium distichum</i>	
cypress, Italian	<i>Cupressus sempervirens</i>	glauca
cypress, Japanese false	<i>Chamaecyparis obtusa</i>	gracilis
cypress, leyland	<i>Cupressocyparis leylandii</i>	
daffodil	<i>Narcissus</i> spp.	King Alfred
daylilly	<i>Hemerocallis</i> spp.	aztec gold bright yellow (hybrid) single gold (evergreen) wilsonis yellow
dianthus (sweet william)	<i>Dianthus</i> spp.	
delphinium	<i>Delphinium</i> spp.	magic fountain
dogwood	<i>Cornus florida</i>	
dogwood, American	<i>Cornus sericea</i>	flavarimaea
douglas fir	<i>Pseudotsuga menziesii</i>	
dusty miller	<i>Senecio cineraria</i>	
elm, drake	<i>Ulmus parvifolia</i>	
euonymus	<i>Euonymus fortunei</i>	argenteo-variegata auereo-marginata colorata emerald gaiety emerald en gold gold edge gold princess silver king tricolor vegetus
fan palm, European	<i>Chamaerops humilis</i>	
fan palm, Mexican	<i>Washingtonia robusta</i>	
fern (various)	<i>Asparagus</i> spp.	
fescue	<i>Festuca glauca</i>	
fetterbush	<i>Leucothoe fontanesiana</i>	rainbow
figus	<i>Ficus retusa</i>	nitidia
fir fraser	<i>Abies fraseri</i>	
forsythia	<i>Forsythia X intermedia</i>  <i>Spring Glory</i>	Arnold dwarf bronxensis dwarf lynwood gold meadowlark weeping
fuchsia	<i>Fuchsia</i> spp.	
galium	<i>Galium odoratum</i>	

gardenia	<i>Gardenia jasminoides</i>	mystery radicans
geranium	<i>Pelargonium X hortorum</i>	
gum	<i>Eucalyptus citriodora</i>	
hawthorn	<i>Crataegus</i> spp.	cockspur white crimson cloud enchantress Jack Evans Washington white
heather, twisted	<i>Erica cinerea</i>	Mediterranean pink
hemlock, Canada	<i>Tsuga canadensis</i>	
hibiscus	<i>Hibiscus</i> spp.	blue bird brilliant hula girl
holly	<i>Ilex</i> spp.  <i>Ilex X meserveae</i>         <i>Ilex X attenuata</i>	blue boy blue girl burfodii china girl compacta forsteri hellerie Japanese northern beauty needlepoint Nellie R. Stevens Savannah
holly, Chinese	<i>Ilex cornuta</i>	
holly, Japanese	<i>Ilex crenata</i>	
holly, yaupon	<i>Ilex vomitoria</i>	
honeysuckle	<i>Lonicera japonica</i>	claveyis dwarf halliana tatarian Canadian white zebelli red hosta
hosta	<i>Hosta</i> spp. <i>Hosta lancifolia</i>	albo marginata
ice plant	<i>Carpobrotus edulis</i>	
impatiens	<i>Impatiens</i> spp.	
iris	<i>Iris</i> spp.	dwarf blue wedgewood
ivy, English	<i>Hedera helix</i>	bulgaria thorndale
jasmine, Asian	<i>Trachelospermum asiaticum</i>	
juniper	<i>Juniperus</i> spp.	arcadia armstrong bar harbor
	<i>Juniperus horizontalis</i>	blue chip blue pacific blue rug

	<i>Juniperus horizontalis</i>	blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader endora compacta fruitlandi green gold tip hetzi hughes Manhattan blue parsoni pfitzeriana plumosa prince of Wales procumbens dwarf San Jose sargent blue sargent green scandia scopulorum moonglow scopulorum skyrocket spartan
	<i>Juniperus chinensis</i>	tamariscifolia
	<i>Juniperus sabina</i>	weberi youngstown yukon belle
king palm	<i>Archontophoenix cunninghamiana</i>	
laurel, Australian	<i>Pittosporum tobira</i>	
laurel, mountain	<i>Kalmia latifolia</i>	
leucothoe	<i>Leucothoe fontanesiana</i>	
ligustrum, Japanese	<i>Ligustrum japonicum</i>	
lily, African	<i>Agapanthus africanus</i>	albus Peter Pan
lily, African blue		
lily of the valley	<i>Pieris japonica</i>	Mt. Fire
lilyturf	<i>Liriope muscari</i>	evergreen giant lilac beauty majestic monroe white variegata
liriope, green	<i>Liriope spicata</i>	
maple, Japanese	<i>Acer japonicum</i>	
maple, Norway	<i>Acer platanoides</i>	
maple, red †	<i>Acer rubrum</i>	
maple, silver	<i>Acer saccharinum</i>	
maple sugar †	<i>Acer saccharum</i>	
marigold	<i>Tagetes patula</i>	honeycomb variegata wheeleris dwarf
mock orange †	<i>Philadelphus spp</i>	golden snowflake double white
mondo grass	<i>Ophiopogon japonicus</i>	
moss rose	<i>Portulaca grandiflora</i>	sunnyside
myrtle, crape	<i>Lagerstroemia indica</i>	faurei langer muskogee standard pink

myrtle, wax	<i>Myrica cerifera</i>	
nandina	<i>Nandina domestica</i>	compacta nana
narcissus	<i>Narcissus</i> spp.	
oak, laurel	<i>Quercus laurifolia</i>	
oak, pin	<i>Quercus palustris</i>	
oak, red	<i>Quercus rubra</i>	
oak, southern	<i>Quercus virginiana</i>	
oak, willow	<i>Quercus phellos</i>	
oleander	<i>Nerium oleander</i>	hardy red petite pink Sister Agnes
osteospermum	<i>Osteospermum fruticosum</i>	wirligig
pachysandra	<i>Pachysandra terminalis</i>	
palm, bangalow		
pampas grass	<i>Cortaderia selloana</i>	
pansy	<i>Viola x wittrockiana</i>	
paper flower	<i>Bougainvillea glabra</i>	Barbara karst
peach †	<i>Prunus persica</i>	
periwinkle, dwarf	<i>Vinca minor</i>	
petunia	<i>Petunia X hybrida</i>	picoti
photinia, red tip	<i>Photinia X fraseri</i>	
pieris	<i>Pieris japonica</i>	
pine, Australian	<i>Pinus nigra</i>	
pine, Japanese black	<i>Pinus thunbergiana</i>	
pine, loblolly	<i>Pinus taeda</i>	
pine, longleaf	<i>Pinus palustris</i>	
pine, mugo	<i>Pinus mugho</i>	
pine, Scotch	<i>Pinus sylvestris</i>	
pine, slash	<i>Pinus elliotii</i>	
pine, Swiss mt.	<i>Pinus mugo</i>	
pine, Virginia	<i>Pinus virginiana</i>	
pine, white	<i>Pinus strobus</i>	
pineapple, guava †	<i>Feijoa sellowiana</i>	
pieris	<i>Pieris taiwanensis</i>	
pittosporum, Japan		
potentilla	<i>Potentilla nepalensis</i> <i>Potentilla fruticosa</i>	abbotswood
privet	<i>Ligustrum japonicum</i>	golden vicary regal texanum wax yellow tipped
privet, glossy	<i>Ligustrum lucidum</i>	
pyracantha	<i>Pyracantha koidzumii</i>	gnome lalandei victory
queen palm	<i>Arecastrum rammanzoffianum</i>	
quince, Japanese †		
rhododendron	<i>Rhododendron</i> spp	album Cunningham white fashion hardy pjm purple gem silvery pink
rhododendron, carolina	<i>Rhododendron carolinianum</i>	
rhododendron, catawba	<i>Rhododendron catawbiense</i>	



rockcress	<i>Arabis</i> spp.	snowcap
rhodie max (rosebay)	<i>Rhododendron maximum</i>	
rose †	<i>Rosa banksiae</i>	luta
rosemary †	<i>Rosmarinus officinalis</i>	
rosemary, bog	<i>Andromeda polifolia</i>	nana
salvia	<i>Salvia farinacea</i>	rhea
sedum	<i>Sedum spurium</i>	dragon blood red red carpet yellow
snapdragon	<i>Antirrhinum</i> spp.	
sourwood	<i>Oxydendrum arboreum</i>	
spiraea	<i>Astilbe X arendsii</i>	fanall
spiraea	<i>Spiraea</i> spp.	Anthony waterer red dolchica froebeli pink goldenflame red snowmound white Van Houtte white
spiraea, garland	<i>Spiraea</i> spp.	
spruce, black hills	<i>Picea glauca</i>	
spruce, Colorado blue	<i>Picea pungens</i>	
spruce, norway	<i>Picea abies</i>	
spruce, white	<i>Picea glauca</i>	conica
sweetflag, grassy-le		
sweetgum	<i>Liquidambar styraciflua</i>	
sycamore	<i>Platanus occidentalis</i>	
tree fern (tiki fern)	<i>Asparagus virgatus</i>	
trumpet flower, evening	<i>Gelsemium sempervirens</i>	
tulip	<i>Tulip</i> , spp	apeldoorn
verbena, shrub	<i>Lantana sellowiana</i>	
verbain	<i>Verbena</i> spp.	St. Paul
viburnum	<i>Viburnum</i> spp.	American cranberry bush arrowood common snowball European cranberry bush linden Mohican Wright
vinca (periwinkle)	<i>Vinca minor</i>	
windmill palm	<i>Trachycarpus fortunei</i>	
xylosma	<i>Xylosma congestum</i>	
yarrow	<i>Achillea</i> spp.	
yaupon	<i>Ilex vomitoria</i>	dwarf
yew	<i>Taxus cuspidata</i> <i>Taxus X media</i>	denisiformis

† Ornamental species only: Do not use on food producing trees and ornamentals.

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### Terms and Conditions of Use

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If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of 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.

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### Warranty Disclaimer

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Seller 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, subject to the inherent risks set forth below. To the extent permitted by law, SELLER MAKES NO OTHER EXPRESS OR

IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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### **Inherent Risks of Use**

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It is impossible to eliminate all risks associated with 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 Seller. To the extent permitted by law, all such risks shall be assumed by Buyer.

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### **Limitation of Remedies**

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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, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. 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.

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EPA accepted: 10/10/17

**[Sub Label B: Alternate Brand Name - Residential Use]**

[Front Panel of Bag]

<b>DITHIOPYR</b>	<b>GROUP</b>	<b>3</b>	<b>HERBICIDE</b>
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# Crab-Buster® 0.25% FG

## LAWN AND ORNAMENTAL HERBICIDE

**For control of crabgrass and control or suppression many other annual grass and broadleaf weeds in ornamental landscape areas, established lawns and ornamental turf.**

- Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.
- 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.

*In the state of New York, do not exceed 2.3 lb per 1000 sq ft per year of this product (equivalent to 0.25 lb of active ingredient per acre). In the state of New York, this product may be applied at a minimum of 1.2 lb per 1000 sq ft per year (equivalent to 0.128 lb active ingredient per acre).*

**In the state of Florida, do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn/garden, and sweep any product that lands on the driveway, sidewalk, or street, back onto your lawn/garden.**

**[XX lbs] Covers up to XX,000 sq ft (XXX' x XX')**  
and/or

**This bag covers XX,000 sq ft**

<b>GROUP</b>	<b>3</b>	<b>HERBICIDE</b>
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**Active Ingredient**

dithiopyr: 3,5- pyridinedicarbothioic acid, 2-(difluoromethyl)- 4-(2-methylpropyl)-6- (trifluoromethyl)-S,S-dimethyl ester .....	0.25%
Other Ingredients .....	99.75%
Total .....	100.00%

This product contains 0.125 pound of the active ingredient dithiopyr per 50 pound bag.

**Guaranteed Fertilizer Analysis: XX-XX-XX †**

Total Nitrogen (N) .....	XX%
XX% Ammoniacal Nitrogen	
XX% Nitrate Nitrogen	
XX% Water-Insoluble Nitrogen*	
XX% Urea Nitrogen**	
XX% Slowly available water soluble Nitrogen.	
XX% Other Water Soluble Nitrogen	

Available Phosphate (P <sub>2</sub> O <sub>5</sub> )***	XX%
Soluble Potash (K <sub>2</sub> O)	XX%
Calcium (Ca)	XX%
Magnesium (Mg)	XX%
XX% Water Soluble Magnesium (Mg)	
Sulfur****	
XX% Combined Sulfur (S)	
Boron (B)	XX%
Chlorine (Cl) [Max, not more than]	XX%
Cobalt (Co)	XX%
Copper (Cu)	XX%
Iron (Fe)	XX%
XX% Chelated Iron (Fe)	
XX% Water Soluble Iron (Fe)	
Manganese (Mn)	XX%
Water Soluble Manganese (Mn)	XX%
Molybdenum (Mo)	XX%
Nickel (Ni)	XX%
Sodium (Na)	XX%
Zinc (Zn)	XX%
XX% Chelated Zinc (Zn)	

\*[XX]% Water insoluble nitrogen from biosolids.

\*\*[XX]% coated slow release Nitrogen (N)

\*\*[XX]% Slowly available [urea] nitrogen from [poly coated] [polymer/sulfur] coated urea

\*\*[XX]% Slowly available nitrogen from methylene ureas

\*\*[XX]% Slowly available nitrogen from ureaform

\*\*[XX]% Slowly available nitrogen from BioSolids

\*\*[XX]% Stabilized urea nitrogen or [urea] nitrogen stabilized with dicyandiamide

\*\*\*\*[XX]% Free Sulfur (S)

Derived From: [XX]<sup>†</sup>

Primary plant foods derived from: [XX]<sup>†</sup>

Secondary plant foods derived from [XX]<sup>†</sup>

Iron derived from: [XX]<sup>†</sup>

Density – XX lb./cu.ft.

**[Editor's Note: the following information may be added in the boxes above, this footnote must be deleted from the label after completion of the above Fertilizer Analysis data]**

<sup>†</sup> Urea, methylene urea, sulfur coated urea, polymer coated urea, poly[mer] coated sulfur coated urea, urea formaldehyde, ureaform, ammonium sulfate, corn gluten, bio-solids (Milorganite, Nutri-pel, composted poultry manure), activated sewage sludge, diammonium phosphate, monoammonium phosphate, magnesium ammonium phosphate hexa-hydrate, triple super phosphate, ammoniated phosphates, sulfate of potash, muriate of potash, sulfate of potash-magnesia, potassium nitrate, copper oxide, copper sulfate, iron/ferric oxide, iron/ferrous sucrate, iron/ferrous oxy-sulfate, iron/ferrous sulfate, manganese oxide, molybdic oxide, manganese sulfate, manganese sucrate, zinc oxide, zinc sulfate, sodium borate, boron, sulfur, sodium molybdate, stabilized nitrogen, potassium magnesium sulfate, ferrous sulfate monohydrate, magnesium sulfate or limestone.

**Keep Out of Reach of Children**

**CAUTION**

[Optional Label Claims]

**A Selective Preemergent Herbicide Plus Fertilizer Combination Product that Provides Control of Crabgrass and other listed Weeds in Established Lawns and Ornamental Turfgrasses and Residential Landscapes.**

**Premium Granular Fertilizer - Providing the Nutrients Needed for Beautiful Healthy Lawn/Turfgrass and Ornamentals.**

**Contains Crab-Buster® Herbicide - A Highly Effective Herbicide for Crabgrass Control!**

**Greater application flexibility: Can be applied 4 weeks after preemergent crabgrass timing and still control crabgrass.**

**This Bag Treats Up To\_\_\_\_\_ Square Feet**

**[Crab- Buster®] Controls crabgrass and many other listed annual grasses and broadleaf weeds**

**Stops crabgrass even after germination**

**[Crab- Buster®] This product will control crabgrass if applied before it emerges and up to 4 weeks after it emerges**

**Season-long crabgrass control**

**Prevents crabgrass & feeds [fertilize(s)] in one application**

**Prevents crabgrass and listed annual weeds and grasses**

**Control young crabgrass plants when applied according to labeled directions**

**Apply late summer and early fall to control LISTED winter weeds**

**Apply Early Spring [prior to crabgrass germination]**

**Apply Late Winter/Early Spring or Fall [Prior to Weed Germination]**

**First [1<sup>st</sup>] Application Apply Early Spring**

**Application One [1] Apply Early Spring**

**Apply Early Spring or Fall [to Get Control of Weeds Listed on this Label Other Than Crabgrass Apply Prior to Germination]**

**Controlled [Slow] release nitrogen for extended feeding**

**Quick Spring Green-Up following a Fall Application**

**Contains Iron for deep greening**

**Iron enriched [formula]**

**Deep greening [formula]**

**Slow release nitrogen feeds your lawn/turfgrass over [x] months. [Note: The “x” represents the amount of months the fertilizer feeds depending on what we use (i.e. methylene urea, PCSCU)]**

**Phosphorus [Phosphate] free [formula] (Only to be used on fertilizer formulations containing no phosphorus)**

**Zero Phosphorus (Only to be used on fertilizer formulations containing no phosphorus)**

**Rich Green Lawn/Turfgrass**

**Long-lasting Feeding**

**1<sup>st</sup> [First] Application Apply Early Spring**

**100% Satisfaction Guaranteed or Your Money Back!**

**Fortified with Milorganite [Note: Milorganite (logo/graphic) Need to move logo outside of label text (above product name, on side of label or below text)]**

**Contains Non-Burning, Slow-Release Nitrogen and Iron for Deep Greening**

**Contains Non-Burning Nitrogen**

**Contains Slow-Release Nitrogen**

**Formulated for Wisconsin**

**Controlled Release [Fertilizer] Technology feeds [lawn/turfgrass] for 2+ months**

**UFLEXX™**

**UFLEXX™ is a trademark of AGROTAIN International, LLC.**

**UFLEXX™ is a trademark of Koch Fertilizer, LLC.**

**UMAXX®**

**UMAXX® is a registered trademark of AGROTAIN International, LLC.**

**Contains SCU [Sulfur Coated Urea]**

**N-Sure®**

**N-Sure is a registered trademark of Tessenderlo Kerley**

**with XCU®**

**XCU is registered trademark of Agrium**

**XCU is registered trademark of Koch Fertilizer, LLC**

**Apex-10™ Specialty Nutritionals**

**Crystal Green® slow-release nutrient technology**

**Crystal Green is a registered trademark of Ostara Nutrient Recovery Technologies**

**Agrotain® Ultra**

**Agrotain is a registered trademark of Koch Agronomic Services**

**RXN XXX – [The % RxN (Agrotain Ultra) is indicated by the number built into the logo and can range from 20 to 100.]**

**STN XXX – [The % STN is indicated by the number built into the logo and can range from 25 to 100]**

**STU [Agrotain Ultra]**

**Mini (indicates SCN 150 sizing)**

**Am-Sul (ammonium sulfate)**

**PCSCU (poly coated sulfur coated urea)**

**PCU (polymer coated urea)**

**SOP (sulfate of potash)**

**Contains Organic/Organic Filler/Biosolids (Milorganite, Nutri-pel, composted poultry manure)**

**Methylene Urea (slow release urea – urea formaldehyde)**

**Ureaform (slow release urea – urea formaldehyde)**

**MicroNutrients (micronutrient package)**

**% Fe (varying percent of iron in blend)**

**Growing a Better World [Harrell's Private Labels Only]**

**[Contains] Harrell's PROFertilizer**

**Harrell's Logo**

**Regain [Spring Valley Labels Only]**

**MESA® Patented [Lebanon Seaboard Private Labels Only]**

**Meth-Ex® [Lebanon Seaboard Private Labels Only]**

**Expo potassium sulfate [Lebanon Seaboard Private Labels Only]**

**With LSN – LebanonTurf Stabilized Nitrogen [Lebanon Seaboard Private Labels Only]**

**[Green Smart] Enhanced efficiency fertilizer [GreenSmart] for a Green Lawn/Turfgrass [Lebanon Seaboard Private Labels Only]**

Contains LESCO® Poly Plus® Polymer Coated Urea to provide uniform growth with extended nitrogen feeding. Poly Plus is comprised of Polymer Coated Urea. [John Deere Landscapes/LESCO Private Labels Only]

LESCO and Poly Plus are registered trademarks and the sweeping design is a trademark of LESCO Technologies, LLC. [John Deere Landscapes/LESCO Private Labels Only]

Wolf Trax DDP (Dispersable Dry Powder) Fe (Iron) Mn (Manganese), Zn (Zinc) Micronutrients

Turf Grade/Mini Fairway Grade: Size Guide Number SGN XXX [The text box may have any combination of SGNs listed within the box. 80, 100, 145, 150, 195, 200, 210, 220, 230]

Duration XXX – Average nutrient release XXX days [The text box below may have any combination of the % Durations listed within the box. Duration 180 - Duration 120 - Duration 90 - Duration 45]

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.html>

Information regarding the contents and levels of metals in this product is available on the Internet at:

- California Regulatory Site: <https://apps1.cdfa.ca.gov/FertilizerProducts/>
- Oregon Regulatory Site: [http://oda.state.or.us/dbs/heavy\\_metal/search.lasso](http://oda.state.or.us/dbs/heavy_metal/search.lasso)
- Washington Regulatory Site: <http://agr.wa.gov/> or <http://agr.wa.gov/PestFert/Fertilizers/ProductDatabase.aspx>
- <http://www.aapfco.org/metals.html>
- <http://www.regulatory-info-lpi.com>

It is a violation of law in Maryland, New Hampshire, and New Jersey to apply this product to turf at a rate that results in greater than 0.7 lb per 1,000 sq.ft. of readily available nitrogen or more than 0.9 lb per 1,000 sq.ft. of total nitrogen with a least 20% of which shall consist of slow release nitrogen per application. Additional restrictions apply to total nitrogen applied to turf per season. Other state and local restrictions may apply. [Maryland, New Hampshire, or New Jersey Applications]

No more than 0.7 lb per 1,000 sq.ft. of readily available nitrogen during any given 30 day period. No more than 0.9 lb (cool season grasses) or 1.0 lb (warm season grasses) per 1,000 sq.ft. of total nitrogen with a least 20% of which shall consist of slow release nitrogen during any given 30 day period. [Virginia Applications]

Do not apply near water storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn, and sweep any product that lands on the driveway, sidewalk, or street back onto your lawn and garden. [Maryland Applications]

This fertilizer contains phosphorus and may not be used on turf in the state of Maryland except when 1) providing nutrients to specific soils and target vegetation as determined to be necessary in accordance with a soil test that was conducted by a laboratory identified under §8-803.7 of the Agriculture Article, Annotated Code of Maryland, performed no more than 3 years before the application; 2) establishing vegetation for the first time, such as after land disturbance, provided the application is conducted in accordance with the recommended application rates established by the State; or 3) reestablishing or repairing a turf area. [Maryland Applications which contain Phosphorus] Not for use on established lawns or grass in MD. [If phos >5% and is not classified as a “starter” fertilizer]



In Virginia and New Jersey this lawn/turf fertilizer contains phosphorous and is only for nonagricultural use on (i) turf during its first growing season, (ii) on turf areas being repaired or renovated, and (iii) on turf where a soil test performed within the last 3 years indicates a phosphorous deficiency. This fertilizer is not for the routine maintenance of turf. [Virginia and New Jersey Applications which contain Phosphorus]

Apply only to actively growing turf. Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn, and sweep any product that lands in the driveway, sidewalk, or street, back onto your lawn. Check with your local Cooperative Extension Agency to obtain specific information on local turf best management practices. Check with your county or city government to determine if there are local regulations for fertilizer use. [FL Language for Specialty Products]

The maximum rate of application of this product must not exceed the lesser of the applicable rate determined from the [Table [XX]: Use Rates or Broadcast Application Rates], and the applicable rate determined in the State Nutrient Restrictions table.

#### STATE NUTRIENT RESTRICTIONS

State	Readily Available Nitrogen* lbs/1,000 sq ft	Total Nitrogen lbs/1,000 sq ft
MD, NH, VA	0.7	0.9
NJ	0.7	1.0
XXX	XXX	XXX

\* Nitrogen present beyond the amount shown as Readily Available must be in the form of Slow-Release nitrogen

Note: Supplemental applications of fertilizer are needed to achieve a minimum 1lb Nitrogen per 1,000 sq ft.

#### Maximize your lawn/turfgrass

Stein Policy - 100% Satisfaction Guaranteed - If for any reason you are not satisfied with the results after using this premium product, you are entitled to replacement bags of fertilizer or your money back. Simply bring proof of purchase to any Stein Garden Center. [EC Grow Private Labels Only]

If, after using this product, you are dissatisfied with the results, simply mail the sales receipt, a brief description of the problem and your contact information to the address listed below for a refund of the purchase price of the product. EC Grow • PO Box 837 • Eau Claire, WI 54702 [EC Grow Private Labels Only]

If you have questions or comments regarding the quality of this product, please write to Turf Care Supply Corp. at the address below, or call Customer Service at 877-220-1014[1306] between the hours of 9 A.M. and 5 P.M., Eastern Time, Monday through Friday. Please refer to the item number found on this bag when writing or calling. [Turf Care Supply Private Labels Only]

This product contains polymer-coated Enhanced Efficiency Fertilizer technology. As your lawn/turfgrass demands nutrients, nitrogen is released slowly into the soil for plant root uptake. This controlled-release approach eliminates surge growth and provides predictable feeding for over two months. All Menards Premium fertilizer products contain Enhanced Efficiency Fertilizer which ensures consistent feeding, deep greening, and promotes overall lawn/turfgrass health.

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**DURATION CR** and the **DURATION CR** logo are registered trademarks of Koch Agronomic Services, LLC.

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**STA-GREEN®** is used under license to Central Garden and Pet Company

**CONTROLLED-RELEASE FERTILIZER**

**ENGINEERED FOR PERFORMANCE**

**DRIVEN BY DURATION CR**

**Made in USA**

**All N™ [Contains Arborite®]**

Arborite® is a registered trademark of the Weyerhaeuser NR Company

**NITROLOCK TECHNOLOGY™** is a trademark of The Gavilon Group, LLC

**ALL N** is a trademark of Turf Care Supply Corp.

**SurfCote™ - Sustained Uniform Release Fertilizer Continuously Provides Nutrients**

**Feed your lawn and your soil**

**Remember to “Feed your soil”**

**The New American Lawn**

**Enhance your turfcare program by applying other [Insert Company Name] products throughout the season. Refer to point of purchase literature for details.**

- **Early Spring**
- **Late Spring**
- **Summer**
- **Fall**

**Your Prescription for a Picture Perfect Lawn**

**Turf Care Supply Corp – Manufacturing**

**Turf Care Supply Corp - TCS GrowStar Premier Turf Products**

**Premier Turf Products**

**Manufactured in the USA [Note: Only used if all inerts are produced in US, and formulation is manufactured in US]**

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## **Precautionary Statements**

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**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:** 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 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 further treatment advice.

**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 [or 1-800-XXX-XXXX] 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. 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 runoff to water bodies or drainage systems.

**Refer to back of bag for Directions for Use including Storage and Disposal.**

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

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

EPA Reg. No. 62719-492

EPA Est. \_\_\_\_\_

®Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

**Produced by/for:  
Manufactured by/for:  
Distributed by/for:  
Guaranteed by:**

**Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268**

**NET WEIGHT \_\_\_\_\_**

[Back Panel of Bag]

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### Directions for Use

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

#### 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.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container.

**If empty:** Place in trash or offer recycling if available.

**If partially filled:** Call you local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

[Editor's Note: Supplemental distributor may insert own toll free number.]

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### Use Directions for Turf

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This turf fertilizer product, containing Crab-Buster® herbicide, can be applied 4 weeks after preemergent crabgrass timing and provides up to 4 months of crabgrass control.

Crab-Buster 0.25% FG provides preemergence control of crabgrass and control or suppression of other listed weeds when applied prior to their germination. In addition, this product provides postemergence control of seedling crabgrass after germination and emergence. Postemergence control is limited to crabgrass only, but is effective up to 4 weeks after crabgrass has germinated. This generally corresponds to the time when crabgrass seedlings first become visible in the established turfgrass. Do not apply this product later than 4 weeks after crabgrass germination.

[Editor's note: Supplemental distributor will add one of the following statements as appropriate if their product is registered in the state of Florida.]

- Florida Applications: Do not exceed [2] [3] applications per year on bahiagrass in the north. Do not apply more than 4.6 lb of this product per 1,000 sq ft per application and no more than 13.8 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- Florida Applications: Do not exceed [2] [3] [4] applications per year on bahiagrass in [central Florida] [the south]. Do not apply more than 4.6 lb of this product per 1,000 sq ft per application and no more than 13.8 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- Florida Applications: Do not exceed [3] [4] [5] applications per year on bermudagrass in the north. Do not apply more than 4.6 lb of this product per 1,000 sq ft per application and no more than 13.8 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- Florida Applications: Do not exceed [4] [5] [6] applications per year on bermudagrass in central Florida. Do not apply more than 4.6 lb of this product per 1,000 sq ft per application and no more than 13.8 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- Florida Applications: Do not exceed [5] [6] [7] applications per year on bermudagrass in the south. Do not apply more than 4.6 lb of this product per 1,000 sq ft per application and no more than 13.8 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- Florida Applications: Do not exceed [1] [2] applications per year on centipedegrass in the north. Do not apply more than 4.6 lb of this product per 1,000 sq ft per application and no more than 13.8 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- Florida Applications: Do not exceed [2] [3] applications per year on centipedegrass in [central Florida] [the south]. Do not apply more than 4.6 lb of this product per 1,000 sq ft per application and no more than 13.8 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).

- Florida Applications: Do not exceed [2] [3] [4] applications per year on St. Augustinegrass in the north. Do not apply more than 4.6 lb of this product per 1,000 sq ft per application and no more than 13.8 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- Florida Applications: Do not exceed [2] [3] [4] [5] applications per year on St. Augustinegrass in central Florida. Do not apply more than 4.6 lb of this product per 1,000 sq ft per application and no more than 13.8 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- Florida Applications: Do not exceed [4] [5] [6] applications per year on St. Augustinegrass in the south. Do not apply more than 4.6 lb of this product per 1,000 sq ft per application and no more than 13.8 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- Florida Applications: Do not exceed [3] [4] [5] applications per year on zoysiagrass in the north. Do not apply more than 4.6 lb of this product per 1,000 sq ft per application and no more than 13.8 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- Florida Applications: Do not exceed [3] [4] [5] [6] applications per year on zoysiagrass in central Florida. Do not apply more than 4.6 lb of this product per 1,000 sq ft per application and no more than 13.8 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- Florida Applications: Do not exceed [4] [5] [6] applications per year on zoysiagrass in the south. Do not apply more than 4.6 lb of this product per 1,000 sq ft per application and no more than 13.8 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).

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

Cool-Season Grasses	Warm-Season Grasses
Bentgrass, creeping	Bahiagrass
Bluegrass, Kentucky	Bermudagrass
Fescue, fine	Buffalograss
Fescue, tall	Carpetgrass
Ryegrass, perennial	Centipedegrass
	St. Augustinegrass
	Zoysiagrass

## Use Precautions for Turf

This product should be applied only to lawns and ornamental turfgrasses that are well established. For newly established lawns, initial application of this product should be made only after turfgrasses have developed a vigorous root system, uniform stand, and received at least two mowings following seeding, sodding, or sprigging. **Exception:** In newly established lawns of Kentucky bluegrass, perennial ryegrass and/or tall fescue, this product may be applied two weeks after the first sign of germination.

- Use of this product on lawns and ornamental turfgrasses that are not well established, or weakened by stress due to mechanical operations, pests, excessive temperatures, or lack of moisture may result in turfgrass injury.
- 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.
- **Reseeding, Overseeding, or Sprigging:** Reseeding, overseeding, 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 4.6 lb/1000 sq ft (0.5 lb active ingredient per acre) or more may inhibit the establishment of desirable turfgrasses. When reseeding, overseeding follow proper cultural practices for seedbed preparation, seeding, irrigation and fertilization.

## Use Restrictions

- **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.

## Application Timing

### Spring Application

**Control of Crabgrass:** Crab-Buster 0.25% FG provides preemergence control of crabgrass and control or suppression of other listed weeds when applied prior to their germination. In addition, this product provides postemergence control of seedling crabgrass after germination and emergence. Postemergence control is limited to crabgrass only and is effective up to 4 weeks after germination of crabgrass. This generally corresponds to the time when crabgrass seedlings are at the 3-leaf stage of growth and first become visible in the established turf. This product will not control crabgrass at later growth stages when crabgrass plants begin to tiller (spread). Properly timed applications will control existing crabgrass and prevent further emergence of crabgrass seedlings. Do not apply this product later than 4 weeks after crabgrass germination.

**Control or Suppression of Other Grass and Broadleaf Weeds:** For control or suppression of other grass and broadleaf weeds, this product must be applied as a **preventative** treatment prior to their germination and emergence. Only crabgrass will be controlled with applications made up to 4 weeks after weed germination.

### Fall Application

This product can also be applied from late summer through early fall (late August through November). When applied in the fall, a sequential or second application of this product must be made the following spring to provide season-long control of crabgrass. If this product is applied in the fall, **do not** reseed, overseed or sprig turfgrasses within 12 weeks after application.

### 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.

## Weeds Controlled or Suppressed

Crab-Buster 0.25% FG will provide control of crabgrass and control or suppression of other listed grass and broadleaf weeds when applied prior their germination.

### Grasses

barley  
barnyardgrass  
bluegrass, annual  
brome  
crabgrass, large  
crabgrass, smooth  
crabgrass, Southern  
crowfootgrass †  
dallisgrass  
goosegrass  
foxtail, green  
foxtail, yellow  
kikuyugrass †  
oats, wild  
ryegrass (annual & perennial)  
sandbur

### Broadleaf Weeds

bittercress †  
carpetweed  
chickweed †  
geranium, Carolina †  
henbit  
knotweed, prostrate  
lespedeza, common †  
maretail  
medic, black  
mustard  
oxalis, buttercup  
pineappleweed  
pigweed, redroot  
parsley-piert †  
purslane, common  
rocket, London

smutgrass	shepherdspurge
	speedwell, corn †
	spurge, garden
	spurge, prostrate
	spurge, spotted
	woodsorrel, creeping
	woodsorrel, yellow

† Suppression only

### **Weed Resistance Management**

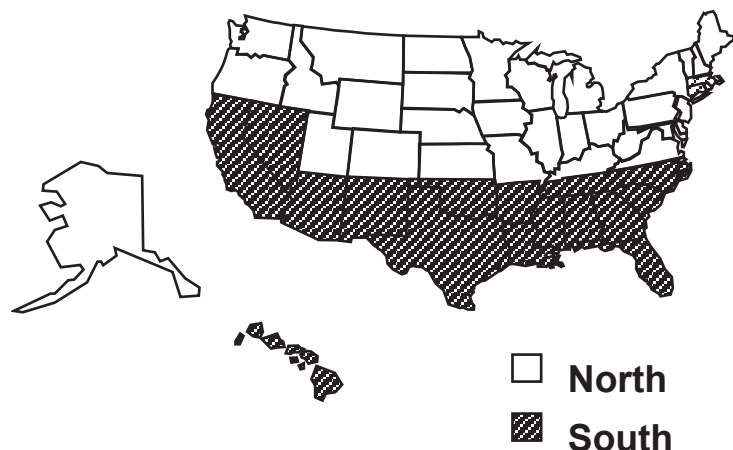
~~Dithiopyr, the active ingredient in this product, is a Group 3 herbicide based on the mode of action classification system of the Weed Science Society of America. Any weed population may contain or develop plants resistant to Group 3 herbicides. Resistant weeds may dominate the weed population if these herbicides are used repeatedly in the same field. Such resistant weed plants may not be effectively managed using Group 3 herbicides but may be effectively managed utilizing other herbicides alone or in mixtures from a different herbicide Groups that are labeled for control of these weeds and/or by using cultural or mechanical practices. However, an herbicide mode of action classification by itself may not adequately address specific weeds that are resistant to specific herbicides. Consult your local company representative, state cooperative extension service, professional consultants or other qualified authorities to determine appropriate actions for treating specific resistant weeds.~~

### **Best Management Practices**

~~Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is recommended. A diversified weed management program may include the use of multiple herbicides with different modes of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistant weeds. Scouting after an herbicide application is important because it can facilitate the early identification of weed shifts and/or weed resistance and thus provide direction on future weed management practices. One of the best ways to contain resistant weed populations is to implement measures to avoid allowing weeds to reproduce by seed or to proliferate vegetatively. Cleaning equipment between sites and avoiding movement of plant material between sites will greatly aid in reducing the spread of resistant weed seed.~~

### **Length of Control**

Crab-Buster 0.25% FG will provide up to 4 months of crabgrass control when applied according to label directions. The actual length of control will vary depending on use rate, weather conditions, condition of the turfgrass, intensity of weed pressure, and the location or "Region" within the United States where this product is being applied. **Refer to the map below to determine the region of the U.S. that includes your location.** Use the table below to determine the amount of Crab-Buster 0.25% FG to apply in your location based on the desired length of weed control or need for postemergence crabgrass control.

**Use "Regions" within the United States:****Use Rates**

<b>Amount of Crab-Buster 0.25% FG to Apply</b> (Pounds of product to apply per 1,000 square feet of turfgrass †)			
<b>Region of U.S.</b>	<b>----- Length of Crabgrass Control -----</b>		
	<b>2 - 3 months</b>	<b>3 - 4 months</b>	<b>Early Postemergence Control</b>
<b>North</b>	1.2 lb/1000 sq ft (0.128 lb ai/acre)	1.6 lb/1000 sq ft (0.174 lb ai/acre)	2.0 - 4.6 lb/1000 sq ft †† (0.22 - 0.5 lb ai/acre)
<b>South</b>	1.8 lb/1000 sq ft (0.192 lb ai/acre)	2.0 - 2.4 lb/1000 sq ft †† (0.22-0.256 lb ai./acre)	2.0 - 4.6 lb/1000 sq ft †† (0.22 - 0.5 lb ai/acre)

† 1,000 square feet equals an area 100 feet X 10 feet or square area of about 32 feet on a side.

†† Use the higher rate in rate range in areas of high weed pressure or for increased length of control.

**Maximum Application Rates:**

- **Do not** apply more than 6 times per year and do not apply more than 4.6 lb of this product per 1,000 sq ft per application and no more than 13.8 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- In the state of New York, do not exceed 2.3 lb per 1000 sq ft per year of this product (equivalent to 0.25 lb of active ingredient per acre).
- To minimize the potential for plant injury, do not make additional applications within five weeks of previous application.

**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 specified 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.

**[Editor's note: With available data Supplemental Distributor may add the following statement.]**  
**These settings were calibrated and field tested. However, age, condition of spreader speed of operations and evenness of terrain may require slightly different settings for desired coverage.**



Check equipment frequently to verify calibration and proper functioning.

[Editor's note: Supplemental Distributor may add a table listing recommended application equipment and calibration settings.]

Brand and Model of Spreader	Application Rates	Calibration Settings at Specified Rate					
		lb/1000 sq ft	1.2	XX	XX	XX	XX
	lb/acre	52	XX	XX	XX	XX	200
	lb nitrogen / 1000 sq ft	XX	XX	XX	XX	XX	XX
XXXXXXX		XX	XX	XX	XX	XX	XX

[AND/OR]

Calibration Settings			
Rate	lbs. Product per 1,000 sq ft	lbs. Nitrogen per 1,000 sq ft	lbs A.I per acre
Low	1.2	XX	0.128
Medium	3.5	XX	0.38
High	4.6	XX	0.5

[AND/OR]

Brand and Model of Spreader	Calibration Settings (lb/1000 sq ft)*		
	Low	Medium	High
XXXXXXX	XX	XX	XX
XXXXXXX	XX	XX	XX
XXXXXXX	XX	XX	XX

[\*These settings are approximate for the application rate shown per 1,000 square feet. You may need to adjust the spreader setting depending on walking speed, spreader condition and product]

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### Use Directions for Landscape Ornamentals

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Crab-Buster 0.25% FG provides preemergence control or suppression of listed annual grass and broadleaf weeds in plantings of ornamental plants listed on this label. For application instructions and equipment, see Application Instructions and Equipment section above.

### Use Rates

Apply Crab-Buster 0.25% FG with a properly calibrated spreader or other means that will assure uniform distribution. This product may be applied as a single application or as a split application. Split or sequential applications may be used to provide improved weed control or to provide extended weed control in areas with long growing seasons. To make a split application, divide the rate in the following table into separate applications made 5-10 weeks apart. Sequential applications may be made in the late summer following a spring application or in the spring after a fall application, provided the maximum application rates per year given below are not exceeded.

Pounds of Product per 1000 Square Feet®	Ounces of Product per 100 Square Feet †
4.6	0.46 (7.4 oz)

† Rate based on an area of 100 sq ft for treatment of small areas.

#### Maximum Application Rates:

- **Do not** apply more than 6 times per year, and do not apply more than 4.6 lb of this product per 1,000 sq ft per application and no more than 13.8 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- In the state of New York, do not exceed 2.3 lb per 1000 sq ft per year of this product (equivalent to 0.25 lb of active ingredient per acre).
- To minimize the potential for plant injury, do not make additional applications within five weeks of previous application.

### Application Timing and Restrictions

Crab-Buster 0.25% FG is a preemergence herbicide that will not control established weeds. Make applications prior to weed seed germination. Bare ground or mulched areas may be treated. The best weed control is obtained when applied to soil that is free of clods, weeds and debris such as leaves. Prior to making an application, control existing vegetation by hand weeding, cultivation or with a postemergence herbicide. Avoid disturbance of treated areas. Loss of weed control may result if the treated soil surface is disturbed by soil mixing or tillage.

### Use Precautions

- To avoid foliar damage to ornamentals, irrigate immediately after application to remove herbicide particles from the foliage.

### Use Restrictions

- **Do not** apply this product directly to bare roots of ornamental plants as injury may result.
- **Do not** incorporate this product into soil. Dilution of active ingredient and possible injury to plant roots may occur.
- **Do not** apply to soil around ornamental plants that are under stress due to drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides or injury due to insects, nematodes or disease.
- **Do not** apply under conditions that would affect product distribution. Wind could affect distribution and move product onto sensitive species. Uneven product distribution will result in uneven weed control.
- Apply this product only to established ornamentals.
- Do not use on food producing trees and ornamentals

### Weeds Controlled or Suppressed

Used as directed, Crab-Buster 0.25% FG will control crabgrass and control or suppress other listed grass and broadleaf weeds when applied prior to their germination. **Refer to "Use Directions for Turf" section above for a complete listing of weeds controlled or suppressed.** This product will not control established broadleaf weeds or grasses, except for crabgrass in early stages of development. The area to be treated should be free of weeds prior to application.

### Tolerant Ornamentals

The ornamentals listed below have shown tolerance to this product when applied according to label directions. However, this product has not been tested on all ornamental species, all cultivars of species

on this label, or under all possible growing conditions. For species or cultivars not listed, only treat a few plants in a limited area and observe for tolerance under local growing conditions prior to large-scale use.

<b>Common Name</b>	<b>Botanical Name</b>	<b>Tolerant Cultivars</b>
abelia, dwarf	<i>Abelia X grandiflora</i>	nana
ajuga	<i>Ajuga reptans</i> <i>Ajuga genevensis</i>	bronze bronze beauty
almond, flowering	<i>Prunus glandulosa</i>	
apple †	<i>Malus pumila</i>	
arborvitae	<i>Thuja occidentalis</i>	nigra pyramidalis smaragh techny woodwardii
arborvitae, golden	<i>Thuja orientalis</i>	
aster, Chinese	<i>Callistephus chinensis</i>	dwarf queen
ash, green	<i>Fraxinus pennsylvanica</i>	
ash, mountain	<i>Sorbus aucuparia</i>	
ash, purple	<i>Fraxinus americana</i>	
azalea	<i>Rhododendron</i> spp.	brilliant buccaneer carror chimes (belgian) elsie lee exbury fashion hardijzer beauty hershey red higasa hinocrimson holland (hybrid) marion lee northern lights orange cup orchid lights snow southern charm
azalea, flame	<i>Rhododendron calendulaceum</i>	
azalea, kirishima		
bamboo, heavenly		
barberry	<i>Berberis thunbergii</i>	aurea dwarf pigmy green kobold pygmy red rose glow
barberry, purple		atropurpurea
basket flower	<i>Gaillardia grandiflora</i>	
bearberry (common)	<i>Arctostaphylos uva-ursi</i>	Massachusetts
bee balm	<i>Monarda didyma</i>	
begonia	<i>Begonia</i> spp.	
birch, river	<i>Betula nigra</i>	
blackeyed Susan	<i>Rudbeckia hirta</i>	goldstrum
blanket flower	<i>Gaillardia</i> spp.	
blueberry †	<i>Vaccinium</i> spp.	bluecrop blue jay jersey north blue northland
bottlebrush	<i>Callistemon citrinus</i>	

boxwood, Japanese		japonica
boxwood, weller	<i>Buxus sempervirens</i>	
broom	<i>Cytisus</i> spp.	moonlight
	<i>Genista pilosa</i>	Vancouver gold
bugle carpet		
camellia	<i>Camellia japonica</i>	debutante mathotiana supreme chansonette
	<i>Camellia sasanqua</i>	
candy tuft	<i>Iberis</i> spp.	snow white
carex, variegated	<i>Carex</i>	
cedar, red	<i>Juniperus virginiana</i>	
celosia	<i>Celosia</i> spp.	
centaura	<i>Centaurea montana</i>	
cockscomb, plumosa	<i>Celosia cristata</i>	scarlet plumosa
coleus	<i>Coleus blumei</i>	red kewpie
columbine	<i>Aquilegia</i> spp.	
copper leaf	<i>Acalypha wilkesiana</i>	
coreopsis	<i>Coreopsis</i> spp.	moonbeam
corn flower	<i>Centaurea</i> spp.	
cotoneaster	<i>Cotoneaster apiculatus</i>	
coyotebrush	<i>Baccharis pilularis</i>	
cycads	<i>Cycads revoluta</i>	
cypress, bald	<i>Taxodium distichum</i>	
cypress, Italian	<i>Cupressus sempervirens</i>	glauca
cypress, Japanese false	<i>Chamaecyparis obtusa</i>	gracilis
cypress, leyland	<i>Cupressocyparis leylandii</i>	
daffodil	<i>Narcissus</i> spp.	King Alfred
daylilly	<i>Hemerocallis</i> spp.	aztec gold bright yellow (hybrid) single gold (evergreen) wilsonis yellow
dianthus (sweet william)	<i>Dianthus</i> spp.	
delphinium	<i>Delphinium</i> spp.	magic fountain
dogwood	<i>Cornus florida</i>	
dogwood, American	<i>Cornus sericea</i>	flavarimaea
douglas fir	<i>Pseudotsuga menziesii</i>	
dusty miller	<i>Senecio cineraria</i>	
elm, drake	<i>Ulmus parvifolia</i>	
euonymus	<i>Euonymus fortunei</i>	argenteo-variegata auereo-marginata colorata emerald gaiety emerald en gold gold edge gold princess silver king tricolor vegetus
fan palm, European	<i>Chamaerops humilis</i>	
fan palm, Mexican	<i>Washingtonia robusta</i>	
fern (various)	<i>Asparagus</i> spp.	
fescue	<i>Festuca glauca</i>	
fetterbush	<i>Leucothoe fontanesiana</i>	rainbow
figus	<i>Ficus retusa</i>	nitidia
fir fraser	<i>Abies fraseri</i>	

forsythia	<i>Forsythia X intermedia</i>  <i>Spring Glory</i>	Arnold dwarf bronxensis dwarf lynwood gold meadowlark weeping
fuchsia	<i>Fuchsia</i> spp.	
galium	<i>Galium odoratum</i>	
gardenia	<i>Gardenia jasminoides</i>	mystery radicans
geranium	<i>Pelargonium X hortorum</i>	
gum	<i>Eucalyptus citriodora</i>	
hawthorn	<i>Crataegus</i> spp.	cockspur white crimson cloud enchantress Jack Evans Washington white
heather, twisted	<i>Erica cinerea</i>	Mediterranean pink
hemlock, Canada	<i>Tsuga canadensis</i>	
hibiscus	<i>Hibiscus</i> spp.	blue bird brilliant hula girl
holly	<i>Ilex</i> spp.  <i>Ilex X meserveae</i>         <i>Ilex X attenuata</i>	blue boy blue girl burfodii china girl compacta forsteri hellerie Japanese northern beauty needlepoint Nellie R. Stevens Savannah
holly, Chinese	<i>Ilex cornuta</i>	
holly, Japanese	<i>Ilex crenata</i>	
holly, yaupon	<i>Ilex vomitoria</i>	
honeysuckle	<i>Lonicera japonica</i>	claveyis dwarf halliana tatarian Canadian white zebelli red hosta
hosta	<i>Hosta</i> spp. <i>Hosta lancifolia</i>	albo marginata
ice plant	<i>Carpobrotus edulis</i>	
impatiens	<i>Impatiens</i> spp.	
iris	<i>Iris</i> spp.	dwarf blue wedgewood
ivy, English	<i>Hedera helix</i>	bulgaria thorndale
jasmine, Asian	<i>Trachelospermum asiaticum</i>	
juniper	<i>Juniperus</i> spp.	arcadia armstrong bar harbor
	<i>Juniperus horizontalis</i>	blue chip blue pacific blue rug

	<i>Juniperus horizontalis</i>	blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader endora compacta fruitlandi green gold tip hetzi hughes Manhattan blue parsoni pfitzeriana plumosa prince of Wales procumbens dwarf San Jose sargent blue sargent green scandia scopulorum moonglow scopulorum skyrocket spartan
	<i>Juniperus chinensis</i>	tamariscifolia
	<i>Juniperus sabina</i>	weberi youngstown yukon belle
king palm	<i>Archontophoenix cunninghamiana</i>	
laurel, Australian	<i>Pittosporum tobira</i>	
laurel, mountain	<i>Kalmia latifolia</i>	
leucothoe	<i>Leucothoe fontanesiana</i>	
ligustrum, Japanese	<i>Ligustrum japonicum</i>	
lily, African	<i>Agapanthus africanus</i>	albus Peter Pan
lily, African blue		
lily of the valley	<i>Pieris japonica</i>	Mt. Fire
lilyturf	<i>Liriope muscari</i>	evergreen giant lilac beauty majestic monroe white variegata
liriope, green	<i>Liriope spicata</i>	
maple, Japanese	<i>Acer japonicum</i>	
maple, Norway	<i>Acer platanoides</i>	
maple, red †	<i>Acer rubrum</i>	
maple, silver	<i>Acer saccharinum</i>	
maple sugar †	<i>Acer saccharum</i>	
marigold	<i>Tagetes patula</i>	honeycomb variegata wheeleris dwarf
mock orange †	<i>Philadelphus spp</i>	golden snowflake double white
mondo grass	<i>Ophiopogon japonicus</i>	
moss rose	<i>Portulaca grandiflora</i>	sunnyside
myrtle, crape	<i>Lagerstroemia indica</i>	faurei langer muskogee standard pink

myrtle, wax	<i>Myrica cerifera</i>	
nandina	<i>Nandina domestica</i>	compacta nana
narcissus	<i>Narcissus</i> spp.	
oak, laurel	<i>Quercus laurifolia</i>	
oak, pin	<i>Quercus palustris</i>	
oak, red	<i>Quercus rubra</i>	
oak, southern	<i>Quercus virginiana</i>	
oak, willow	<i>Quercus phellos</i>	
oleander	<i>Nerium oleander</i>	hardy red petite pink Sister Agnes
osteospermum	<i>Osteospermum fruticosum</i>	wirligig
pachysandra	<i>Pachysandra terminalis</i>	
palm, bangalow		
pampas grass	<i>Cortaderia selloana</i>	
pansy	<i>Viola x wittrockiana</i>	
paper flower	<i>Bougainvillea glabra</i>	Barbara karst
peach †	<i>Prunus persica</i>	
periwinkle, dwarf	<i>Vinca minor</i>	
petunia	<i>Petunia X hybrida</i>	picoti
photinia, red tip	<i>Photinia X fraseri</i>	
pieris	<i>Pieris japonica</i>	
pine, Australian	<i>Pinus nigra</i>	
pine, Japanese black	<i>Pinus thunbergiana</i>	
pine, loblolly	<i>Pinus taeda</i>	
pine, longleaf	<i>Pinus palustris</i>	
pine, mugo	<i>Pinus mugho</i>	
pine, Scotch	<i>Pinus sylvestris</i>	
pine, slash	<i>Pinus elliotii</i>	
pine, Swiss mt.	<i>Pinus mugo</i>	
pine, Virginia	<i>Pinus virginiana</i>	
pine, white	<i>Pinus strobus</i>	
pineapple, guava †	<i>Feijoa sellowiana</i>	
pieris	<i>Pieris taiwanensis</i>	
pittosporum, Japan		
potentilla	<i>Potentilla nepalensis</i> <i>Potentilla fruticosa</i>	abbotswood
privet	<i>Ligustrum japonicum</i>	golden vicary regal texanum wax yellow tipped
privet, glossy	<i>Ligustrum lucidum</i>	
pyracantha	<i>Pyracantha koidzumii</i>	gnome lalandei victory
queen palm	<i>Arecastrum rammanzoffianum</i>	
quince, Japanese †		
rhododendron	<i>Rhododendron</i> spp	album Cunningham white fashion hardy pjm purple gem silvery pink
rhododendron, carolina	<i>Rhododendron carolinianum</i>	
rhododendron, catawba	<i>Rhododendron catawbiense</i>	

rockcress	<i>Arabis</i> spp.	snowcap
rhodie max (rosebay)	<i>Rhododendron maximum</i>	
rose †	<i>Rosa banksiae</i>	luta
rosemary †	<i>Rosmarinus officinalis</i>	
rosemary, bog	<i>Andromeda polifolia</i>	nana
salvia	<i>Salvia farinacea</i>	rhea
sedum	<i>Sedum spurium</i>	dragon blood red red carpet yellow
snapdragon	<i>Antirrhinum</i> spp.	
sourwood	<i>Oxydendrum arboreum</i>	
spiraea	<i>Astilbe X arendsii</i>	fanall
spiraea	<i>Spiraea</i> spp.	Anthony waterer red dolchica froebeli pink goldenflame red snowmound white Van Houtte white
spiraea, garland	<i>Spiraea</i> spp.	
spruce, black hills	<i>Picea glauca</i>	
spruce, Colorado blue	<i>Picea pungens</i>	
spruce, norway	<i>Picea abies</i>	
spruce, white	<i>Picea glauca</i>	conica
sweetflag, grassy-le		
sweetgum	<i>Liquidambar styraciflua</i>	
sycamore	<i>Platanus occidentalis</i>	
tree fern (tiki fern)	<i>Asparagus virgatus</i>	
trumpet flower, evening	<i>Gelsemium sempervirens</i>	
tulip	<i>Tulip</i> , spp	apeldoorn
verbena, shrub	<i>Lantana sellowiana</i>	
vervain	<i>Verbena</i> spp.	St. Paul
viburnum	<i>Viburnum</i> spp.	American cranberry bush arrowood common snowball European cranberry bush linden Mohican Wright
vinca (periwinkle)	<i>Vinca minor</i>	
windmill palm	<i>Trachycarpus fortunei</i>	
xylosma	<i>Xylosma congestum</i>	
yarrow	<i>Achillea</i> spp.	
yaupon	<i>Ilex vomitoria</i>	dwarf
yew	<i>Taxus cuspidata</i> <i>Taxus X media</i>	denisiformis

† Ornamental species only: Do not use on food producing trees and ornamentals.

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If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of 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.

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