

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

September 8, 2015

Nestor Algarin Dow AgroScience LLC 9330 Zionsville Road Indianapolis, IN 46268

Subject: Label Amendment – Label changes based on EPA stamped accepted labels

Product Name: Dimension 0.125% FG EPA Registration Number: 62719-483 Application Date: February 26, 2015

Decision Number: 502498

Dear Mr. Algarin:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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 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.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Grant Rowland by phone at 703-347-0254 or via email at <a href="mailto:Rowland.Grant@epa.gov">Rowland.Grant@epa.gov</a>.

Sincerely,

Kathryn V. Montague, Product Manager 23

Herbicide Branch

Registration Division (7505P) Office of Pesticide Programs

Enclosure

# Dimension® 0.125% FG

EPA Reg. No. 62719-483

This master label consists of separate, self-contained sub labels for professional use and residential use, respectively.

### **Registration Notes:**

**Note:** this version contains additional revision per EPA email from Dominique Schuler dated May 26, 2015 and discussed with B. Wendelburg, M. Council, and J. Hughes. The following changes were made:

#### Sub Label A:

- 1. Moved the First Aid section above the fertilizer Optional Label Claims section.
- 2. Changed "many Other" to "other listed" on the following fertilizer claim: "A Selective Preemergent Herbicide Plus Fertilizer Combination Product that Provides Control of Crabgrass and many Other Weeds in Established Lawns and Ornamental Turfgrasses and Residential Landscapes."
- 3. Added the following sentence to first paragraph under Use Precautions for Turf: Sweep any product that lands on the driveway, sidewalk, or street back onto lawn and garden.
- 4. Renamed the Other Use Precautions section Use Restrictions.
- 5. Changed "a few days" to "2 to 3 days" in first bullet point under the Tips for Improved Weed Control section to bring clarity to the statement.
- 6. Added "Do not apply" before "more than 1200 lb (1.5 lb active ingredient) per acre (27.6 lb per 1000 sq ft) per year if using split or sequential applications" and made it into a new bullet point under Maximum Use Rates section. Also deleted the word "or".
- 7. Deleted "recommendations" and added the letter "s" after rate under Spring Application section.
- 8. Deleted the word "Recommended" in Table 1 title.
- 9. Divided the Use Precautions into Use Precautions and Use Restrictions distinct sections.

#### Sub Label B:

- 1. Changed "many other" to "other listed" on product description section.
- 2. Moved the First Aid section above the fertilizer Optional Label Claims section.
- 3. Changed "many Other" to "other listed" on the following fertilizer claim: "A Selective Preemergent Herbicide Plus Fertilizer Combination Product that Provides Control of Crabgrass and many Other Weeds in Established Lawns and Ornamental Turfgrasses and Residential Landscapes."
- 4. Renamed the Other Use Precautions section Use Restrictions.
- 5. Deleted the word "Recommended" from table titled Recommended Use Rates.
- 6. Deleted the word "recommended" from first paragraph under the Application Instructions and Equipment section.
- 7. Added "Do not apply" before "more than 27.6 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively)" and made it into a new bullet point under Maximum Use Rates section.
- 8. Divided the Use Precautions into Use Precautions and Use Restrictions distinct sections.

**Source label text** based on EPA accepted label dated March 24, 2003 and notifications dated June 24, 2005, February 16, 2009, March 2, 2009, October 10, 2012, August 28, 2013, March 31, 2014 and June 9, 2014. Following are changes by amendment:

#### Sub Label A:

1. Added minimum lb/acre per year language for the State of New York.

# G2B / Dimension 0.125% FG / MSTR / Amend / 05-29-15 file: Dimension 0.125% FG-483 MSTR 29May15d.docx

- 2. Added crop grouping table and MOA/Resistance Management language.
- 3. Updated Guaranteed Fertilizer Analysis list, footnotes and Derived From section.
- 4. Updated fertilizer Optional Label Claims.
- 5. Added the signal word CAUTION after Hazards to Human and Domestic Animals.
- 6. Added the following note under Application Instruction and Equipment: [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.
- 7. Updated the Spreader Calibration Settings table.

#### Sub Label B:

- 1. Added minimum lb/1000 sq ft per year language for the State of New York.
- 2. Added crop grouping table and MOA/Resistance Management language.
- 3. Updated Guaranteed Fertilizer Analysis list, footnotes and Derived From section.
- 4. Updated fertilizer Optional Label Claims.
- 5. Added the signal word CAUTION after Hazards to Human and Domestic Animals.
- 6. Added the following note under Application Instruction and Equipment: [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.
- 7. Updated the Spreader Calibration Settings table.

<sup>&</sup>lt;sup>®</sup>Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

#### [Sub Label A: Commercial Use]

[Front Panel of Bag]

# Dimension® 0.125% 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.

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

This bag covers XX,000 sq ft

- 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, this product may be applied only by commercial applicators at a minimum of 152 lb (0.19 lb active ingredient) per application and no more than 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per year. Use of this product in Nassau and Suffolk counties of New York is prohibited.

GROUP 3 HERBICIDE

#### **Active Ingredient**

dithiopyr: 3,5- pyridinedicarbothioic acid, 2-(difluoromethyl)- 4-(2-methylpropyl)-6-

(trifluoromethyl)-S,S-dimethyl ester	0.125%
Other Ingredients	<u>99.875%</u>
Total	100.000%

This product contains 0.0625 pound of the active ingredient dithiopyr per 50 pound bag.

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

Oddianteed rentinzer Analysis. A	<b>//-//</b>
Water-Insoluble Nitrogen*	XX%
Total Nitrogen (N)	XX%
Ammoniacal Nitrogen	XX%
Nitrate Nitrogen	XX%
Urea Nitrogen**	
Other Water Soluble Nitrogen	XX%
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%
Copper (Cu)	XX%
Iron (Fe)	XX%
Manganese (Mn)	XX%
Zinc (Zn)	XX%
Sulfur/Combined Sulfur (S)***	XX%
Chlorine (CI) Max	XX%

# ACCEPTED

09/08/2015

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 00740

62719-483

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

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

\*\*[XX]% Stabilized urea nitrogen with dicyandiamide and N-(n-butyl) thiophosphoric triamide

\*\*\*[XX]% Free Sulfur (Ś)

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>

[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 coated sulfur coated urea, urea formaldehyde, ammonium sulfate, corn gluten, bio-solids (Milorganite), 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 oxide, iron sucrate, iron/ferrous sulfate, manganese oxide, molybdic oxide, manganese sulfate, manganese sucrate, zinc oxide, zinc sulfate, sodium borate, boron, sulfur, or limestone.

### Keep Out of Reach of Children

# **CAUTION**

#### 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, the 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 day or night, for emergency treatment information.

#### [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!

Can Be Applied Up to 4 Weeks Later Than Other Preemergence Crabgrass Preventers.

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

<sup>\*\*[</sup>XX]% Enhanced efficiency urea nitrogen with [partial calcium salt of maleic-itaconic copolymer/partial calcium salt of maleic-itaconic copolymer]

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

Stops crabgrass even after germination

[Dimension<sup>®</sup>] 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 [1st] 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]

**Zero 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**<sup>™</sup> Stabilized Nitrogen

UFLEXX<sup>™</sup> is a trademark of AGROTAIN International, LLC.

XX.X% Stabilized Nitrogen from UFLEXX<sup>™</sup>

**UMAXX**<sup>®</sup> Stabilized Nitrogen

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

XX.X% Stabilized Nitrogen from UMAXX®

**NutriSmart**®

NutriSmart is a registered Trademark of CK Life Science

**Contains SCU [Sulfur Coated Urea]** 

NutriSphere-N<sup>®</sup> XXX – [The % Nutrisphere is indicated by the number built into the logo and can range from 25 to 100.]

NutriSphere-N is a registered trademark of Specialty Fertilizer Products

**Avail**®

Avail is a registered trademark of Specialty Fertilizer Products

N-Sure<sup>®</sup>

N-Sure is a registered trademark of Tessenderlo Kerley

with XCU®

XCU is registered trademark of Agrium

Apex-10<sup>™</sup> Specialty Nutritionals

Crystal Green® slow-release nutrient technology

Crystal Green is a registered trademark of Ostara Nutrient Recovery Technologies

Agrotain<sup>®</sup> 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]

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

Regain [Spring Valley Labels Only]

MESA® Patented [Lebanon Seaboard Private Labels Only]

Meth-Ex<sup>®</sup> [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 Technology [Lebanon Seaboard Private Labels Only]** 

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

Contains LESCO<sup>®</sup> Poly Plus<sup>®</sup> 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]

Nutrilife fertilizer technology

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

Professional Turf Grade/Premium 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 a the following website: http://www.aafco.org/metals.htm.

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

- http://www.cdfa.ca.gov/egov/is/fert/
- http://www.oda.state.or.us/dbs/heavy\_metal/search.lasso
- http://www.agr.wa.gov/PestFert/Fertilizers/ProductDatabase.aspx

It is a violation of law in Maryland 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 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 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 Applications which contain Phosphorus]

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 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.

Made in USA

#### **Precautionary Statements**

#### **Hazards to Humans and Domestic Animals**

### CAUTION

Causes Eye Irritation • Harmful If Inhaled

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

#### **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.

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.

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

<sup>®</sup>Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

Produced for Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268

EPA Reg. No. 62719-483

NET WEIGHT \_\_\_\_

EPA Est.

[Back Panel of Bag]

#### **Directions for Use**

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 should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable federal, state or local procedures.

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

#### **Use Directions for Turf**

Dimension<sup>®</sup> 0.125% 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. 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. Sweep any product that lands on the driveway, sidewalk, or street back onto lawn and garden.

# [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 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application or more than 1200 lb (1.5 lb active ingredient) per acre (27.6 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 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application or more than 1200 lb (1.5 lb active ingredient) per acre (27.6 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 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application or more than 1200 lb (1.5 lb active ingredient) per acre (27.6 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 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application or more than 1200 lb (1.5 lb active ingredient) per acre (27.6 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 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application or

- more than 1200 lb (1.5 lb active ingredient) per acre (27.6 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 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application or more than 1200 lb (1.5 lb active ingredient) per acre (27.6 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 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application or more than 1200 lb (1.5 lb active ingredient) per acre (27.6 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 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application or more than 1200 lb (1.5 lb active ingredient) per acre (27.6 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 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application or more than 1200 lb (1.5 lb active ingredient) per acre (27.6 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 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application or more than 1200 lb (1.5 lb active ingredient) per acre (27.6 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 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application or more than 1200 lb (1.5 lb active ingredient) per acre (27.6 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 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application or more than 1200 lb (1.5 lb active ingredient) per acre (27.6 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 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application or more than 1200 lb (1.5 lb active ingredient) per acre (27.6 lb per 1000 sq ft) per year if using split or seguential 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.

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	Ì
bentgrass, creeping †	Agrostis palustris
bluegrass, Kentucky	Poa pratensis
fescue, fine ††	Festuca rubra
fescue, tall	Festuca arundinacea
ryegrass, perennial	Lolium perenne
Warm-Season Grasses	Ì
bahiagrass	Paspalum notatum

bermudagrass	Cynodon dactylon
buffalograss †††	Buchloe dactyloides
carpetgrass	Axonopus affinis
centipedegrass	Eremochloa ophiuroides
kikuyugrass	Pennisetum clandestinum
St. Augustinegrass	Stenotaphrum secundatum
zoysiagrass	Zoysia japonica

<sup>&</sup>lt;sup>†</sup> 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*).

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 recommended 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 9.2 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**

#### **Tips for Improved Weed Control**

- For best results, apply this product within 2 to 3 days after mowing and delay mowing again for 2 to 3 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)

the following time 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** apply more than 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application.
- **Do not** apply more than 1200 lb (1.5 lb active ingredient) per acre (27.6 lb per 1000 sq ft) per year if using split or sequential applications.
- In the state of New York, this product may be applied only by commercial applicators at no more than 400 lb (0.5 lb active ingredient) per acre (9.2 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 Control**

- This product provides "preemergence" control of crabgrass in established turfgrasses (including the large, smooth, and southern species) when applied prior to germination and emergence of crabgrass.
- This product also provides "early postemergence" control of crabgrass if applied prior to the 3-leaf stage of growth 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.

#### **Application Frequency and Timing**

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

#### Spring Applications.

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

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

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

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

**Table 1 Use Rates** 

Region	Application Rates	Program 1	Program 2	Program 3
All states, except NY, and	lb/acre	152	200	304
parts of states not included	lb/1000 sq ft	3.5	4.6	7.0
in transition, south, coastal south or west.	lb ai/acre	0.19	0.25	0.38

Transition: DE, KS, KY, MD,	lb/acre	200	304	400
MO, NJ, VA, southeastern PA,	lb/1000 sq ft	4.6	7.0	9.2
southern areas of IL, IN, OH, & coastal areas of CT, & RI	lb ai/acre	0.25	0.38	0.5
South: AL, AR, GA, LA, MS, NC,	lb/acre	304	200 + 200	248 + 248
NM, OK, SC, TN, & TX	lb/1000 sq ft	7.0	4.6 + 4.6 <sup>†</sup>	5.7 + 5.7 <sup>†</sup>
	lb ai/acre	0.38	0.25 + 0.25	0.31 + 0.31
Coastal South: HI, FL, &	lb/acre	200 + 200	248 + 248	304 + 304
southern coastal areas of AL,	lb/1000 sq ft	4.6 + 4.6 <sup>†</sup>	5.7 + 5.7 <sup>†</sup>	$7.0 + 7.0^{\dagger}$
GA, LA, MS, NC, SC, & TX	lb ai/acre	0.25 + 0.25	0.31 + 0.31	0.38 + 0.38
West: AZ, CA, & NV. In this	lb/acre	152 + 200	200 + 304	200 + 200
climatically diverse region, use	lb/1000 sq ft	3.5 + 4.6	4.6 + 7.0	4.6 + 4.6 <sup>†</sup>
the higher rates in local areas with longer crabgrass seasons.	lb ai/acre	0.19 + 0.25	0.25 + 0.38	0.25 + 0.25

<sup>&</sup>lt;sup>†</sup> Split applications may be made 5 - 10 weeks apart.

Use of Split or Sequential Applications: Split or sequential applications may be used to provide improved weed control or to provide extended weed control in areas with long growing seasons. Split applications may be made with the rates in Table 1 being split between two applications made 5-10 weeks apart. Where longer periods of control are required, sequential applications may be made in late summer or fall following a spring application or in the spring following a fall application, provided the maximum application rate per year is not exceeded. Refer to the "Maximum Use Rates" section above and separate rate restrictions for the state of New York.

#### Fall Applications.

This product can also be applied in the late summer through early fall (late August through November) at use rates listed in Table 1 for "Program 3" to provide control of crabgrass 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 Applications**

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

#### **Grasses**

barley Hordeum spp.

barnyardgrass Echinochloa crus-galli

bluegrass, annual Poa annua brome Bromus spp.

crabgrass, large Digitaria sanguinalis crabgrass, smooth Crabgrass, Southern Digitaria ciliaris

crowfootgrass <sup>†</sup> Dactyloctenium aegyptium

dallisgrass (seedling)
goosegrass
foxtail, green
foxtail, yellow

Paspalum dilatatum
Eleusine indica
Setaria verdi
Setaria faberi

kikuyugrass † Pennisetum clandestinum

oats, wild Avena fatua ryegrass Lolium spp.

(annual & perennial)

sandbur *Cenchrus* spp. smutgrass *Sporobolus indicus* 

**Broadleaf Weeds** 

bittercress <sup>†</sup> Cardamine spp. carpetweed Mollugo verticillata chickweed <sup>†</sup> Stellaria spp.

geranium, Carolina <sup>†</sup> Geranium carolinianum

henbit Lamium spp.

Polygonum aviculare knotweed, prostrate lespedeza, common † Lespedeza striata marestail Conyza canadensis medic, black Medicago lupulina Brassica spp. mustard oxalis, buttercup Oxalis pes-caprae Matricaria matricarioides pineappleweed T piaweed, redroot Amaranthus retroflexus parsley-piert † Alchemilla arvensis purslane, common Portulaca oleracea rocket. London Sisvmbrium irio

shepherdspurse speedwell, corn \*\*

spurge, garden spurge, prostrate spurge, spotted woodsorrel, creeping woodsorrel, yellow Capsella bursa-pastoris Veronica arvensis

Euphorbia hirta
Euphorbia humistrata
Euphorbia maculata
Oxalis corniculata
Oxalis stricta

#### **Fall Applications**

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 Poa annua
bittercress Cardamine spp.
chickweed Stellaria spp.
henbit Lamium spp.

geranium, Carolina Geranium carolinianum
parsley-piert Alchemilla arvensis
pineappleweed Matricaria matricarioides
shepherdspurse Capsella bursa-pastoris

#### **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, a 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.

<sup>†</sup>Suppression only

#### **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 a 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 recommended application rate under actual application conditions. The desired calibration setting may be marked or recorded for future reference. Apply this product uniformly over the treatment area. More uniformity of application can usually be achieved by applying one-half of the required amount of product over the treatment area and then applying the remaining one-half in a different direction (e.g., at a right angle to the previous direction). Avoid streaking, skips, or overlaps during application.

[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	3.5	XX	XX	XX	XX	9.2
	lb/acre	152	XX	XX	XX	XX	400
XXXXXXX		XX	XX	XX	XX	XX	XX

#### **Use Directions for Landscape Ornamentals**

Dimension 0.125% 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	Pounds of	Pounds of
	Product/Acre	Product/1000 sq ft	Product/100 sq ft <sup>†</sup>
ı	400	9.2	0.92 (14.7 oz)

<sup>&</sup>lt;sup>†</sup>Rate based on an area of 100 sq ft for treatment of small areas.

#### **Maximum Use Rates**

- **Do not** apply more than 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application.
- **Do not** apply more than 1200 lb (1.5 lb active ingredient) per acre (27.6 lb per 1000 sq ft) per year if using split or sequential applications.
- In the state of New York, this product may be applied only by commercial applicators at no more than 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per year. Use of this product in Nassau and Suffolk counties of New York is prohibited.

#### **Application Timing and Recommendations**

Dimension 0.125% 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**

- Apply this product only to established ornamentals.
- 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.
- Do not graze livestock or feed forage cut from areas treated with this product.

#### Weeds Controlled or Suppressed

Used as directed, Dimension 0.125% 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, it is recommended that a few plants in a limited area be treated and observed for tolerance under local growing conditions prior to large-scale use.

Common Name	Botanical Name	Tolerant Cultivars
abelia, dwarf Abelia X grandiflora		nana
ajuga	Ajuga reptans	bronze
	Ajuga genevensis	bronze beauty
almond, flowering	Prunus gladulosa	
apple <sup>†</sup>	Malus pumila	
arborvitae	Thuja occidentalis	nigra pyramidalis smaragh techny woodwardii
arborvitae, golden	Thuja orientalis	
aster, Chinese	Callistephus chinensis	dwarf queen
ash, green	Fraxinus pennsylvanica	
ash, mountain	Sorbus aucuparia	
ash, purple	Fraxinus americana	
azalea	Rhododendron 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	Rhododendron calendulaceum	
azalea, kirishima		
bamboo, heavenly		
barberry	Berberis thunbergii	aurea dwarf pigmy green kobold pygmy red rose glow
barberry, purple		atropurpurea

basket flower	Gaillardia grandiflora	
bearberry (common)	Arctostaphylos uva-ursi	Massachusetts
bee balm	Monarda didyma	Iviassacriusetts
	-	
begonia	Begonia spp.	
birch, river	Betula nigra	I detouse
blackeyed Susan	Rudbeckia hirta	goldstrum
blanket flower	Gaillardia spp.	
blueberry <sup>†</sup>	Vaccinium spp.	bluecrop blue jay
		jersey north blue northland
bottlebrush	Callistemon citrinus	Hortilland
boxwood, Japanese		japonica
boxwood, weller	Buxus sempervirens	Japonioa
broom	Cytisus spp.	moonlight
biooiii	Genista pilosa	
buglo carpet	Θειτίδια μποδα	Vancouver gold
bugle carpet	Complia ignories	dobutonto
camellia	Camellia japonica	debutante mathotiana supreme
		chansonette
	Camellia sasanqua	Charisonette
candy tuft		snow white
carex, variegated	Iberis spp. Carex	SHOW WHILE
	I .	
cedar, red	Juniperus virginiana	
celosia	Celosia spp.	
centaura	Centaurea montana	
cockscomb, plumosa	Celosia cristata	scarlet plumosa
coleus	Coleus blumei	red kewpie
columbine	Aguilegia spp.	
copper leaf	Acalypha wilkesiana	
coreopsis	Coreopsis spp.	moonbeam
corn flower	Centaurea spp.	
actonocator	Cotoneaster apiculatus	
cotoneaster		
coyotebrush	Baccharis pilularis	
cycads	Cycads revoluta	
cypress, bald	Taxodium distichum	
cypress, Italian	Cupressus sempervirens	glauca
cypress, Japanese false	Chamaecyparis obtusa	gracilis
cypress, leyland	Cupressocyparis leylandii	
daffodil	Narcissus spp.	King Alfred
daylilly	Hemerocallis spp.	aztec gold
		bright yellow (hybrid)
		single gold (evergreen)
dianthus (sweet william)	Dianthus spp.	wilsonís yellow
delphinium	Delphinium spp.	magic fountain
		magic fountain
dogwood	Cornus florida	flovering a c
dogwood, American	Cornus sericea	flavarimaea
douglas fir	Pseudotsuga menziesii	
dusty miller	Senecio cineraria	
elm, drake	Ulmus parvifolia	

euonymus	Euonymus fortunei	argenteo-variegata
		auereo-marginata
		colorata
		emerald gaiety
		emerald ën gold
		gold edge
		gold princess
		silver king
		tricolor
		vegetus
fan palm, European	Chamaerops humilis	- i
fan palm, Mexican	Washingtonia robusta	
fern (various)	Asparagus spp.	
fescue	Festuca glauca	
fetterbush	Leucothoe fontanesiana	rainbow
ficus	Ficus retusa	nitidia
fir fraser	Abies fraseri	
forsythia	Forsythia X intermedia	Arnold dwarf
		bronxensis dwarf
		lynwood gold
		meadowlark
	Spring Glory	weeping
fuchsia	Fuchsia spp.	
galium	Galium ordoratum	
gardenia	Gardenia jasminoides	mystery
garacina	Gardonia jaonimolado	radicans
goronium	Pelargonium X hortorum	radicaris
geranium		
gum	Eucalyptus citriodora	
hawthorn	Crataegus spp.	cockspur white
		crimson cloud
		enchantress
		Jack Evans
		Washington white
heather, twisted	Erica cinerea	Mediterranean pink
hemlock, Canada	Tsuga canadensis	
hibiscus	Hibiscus spp.	blue bird
	Т	brilliant
		hula girl
holly	llex spp.	blue boy
Tiony	пех эрр.	blue girl
	Ilex X meserveae	burfodii
	nex x meserveae	china girl
		compacta
		forsteri
		hellerie
		Japanese northern beauty
		needlepoint
		Nellie R. Stevens
	Ilex X attenuata	Savannah
holly, Chinese	llex cornuta	
holly, Japanese	llex crenata	
holly, yaupon	Ilex vomitoria	
honeysuckle	Lonicera japonica	claveyís dwarf
		halliana
		tatarian Canadian white
		zebelli red hosta
hosta	Hosta spp.	albo marginata
		also marginata
	I Hosta lancitolia	
ice plant	Hosta lancifolia Carpobrotus edulis	
ice plant impatiens	Carpobrotus edulis Impatiens spp.	

iris	Iris spp.	dwarf blue
1113	то эрр.	wedgewood
ivy, English	Hedera helix	bulgaria
		thorndale
jasmine, Asian	Trachelospermum asiaticum	
juniper	Juniperus spp.	arcadia
		armstrong
		bar harbor
	Juniperus horizontalis	blue chip
		blue pacific blue rug
	Juniperus horizontalis	blue star
	Juniperus nonzontalis	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
	luninarus chinanais	spartan
	Juniperus chinensis	tamariscifolia weberi
	Juniperus sabina	youngstown
		yukon belle
king palm	Archontophoenix cunninghamiana	ydkon belle
laurel, Australian	Pittosporum tobira	
laurel, mountain	Kalmia latifolia	
leucothoe	Leucothoe fontanesiana	
ligustrum, Japanese	Ligustrum japonicum	
lily, African	Agapanthus africanus	albus
,, <del></del>	3 ,	Peter Pan
lily, African blue		
lily of the valley	Pieris japonica	Mt. Fire
lilyturf	Liriope muscari	evergreen giant
-		lilac beauty
		majestic
		monroe white
	1	variegata
liriope, green	Liriope spicata	
maple, Japanese	Acer japonicum	
maple, Norway	Acer platanoides	
maple, red <sup>†</sup>	Acer rubrum	
maple, silver maple sugar <sup>†</sup>	Acer saccharinum	
	Acer saccharum	i

marigold	Tagetes patula	honeycomb
		variegata
manak ayan ma †	Dhiladalahus ana	wheeleris dwarf golden
mock orange †	Philadelphus spp	snowflake double white
mondo grass	Ophiopogon japonicus	
moss rose	Portulaca grandiflora	sunnyside
myrtle, crape	Lagerstroemia indica	faurei
		langer
		muskogee
myrtle, wax	Myrica cerifera	standard pink
nandina	Nandina domestica	compacta
Hariania	Ivandina domestica	nana
narcissus	Narcissus spp.	
oak, laurel	Quercus laurifolia	
oak, pin	Quercus palustris	
oak, red	Quercus rubra	
oak, southern	Quercus virginiana	
oak, willow	Quercus phellos	
oleander	Nerium oleander	hardy red
		petite pink
		Sister Agnes
osteospermum	Osteospermum fruticosum	wirligig
pachysandra	Pachysandra terminalis	
palm, bangalow	O anta da via a alla ana	
pampas grass	Cortaderia selloana	
pansy paper flower	Viola x wittrockiana	Dorboro korat
paper flower peach <sup>†</sup>	Bougainvillea glabra Prunus persica	Barbara karst
peach periwinkle, dwarf	Vinca minor	
petunia	Petunia X hybrida	picoti
photinia, red tip	Photinia X fraseri	picoti
pieris	Pieris japonica	
pine, Australian	Pinus nigra	
pine, Japanese black	Pinus thunbergiana	
pine, loblolly	Pinus taeda	
pine, longleaf	Pinus palustris	
pine, mugo	Pinus mugho	
pine, Scotch	Pinus sylvestris	
pine, slash	Pinus elliottii	
pine, Swiss mt.	Pinus mugo	
pine, Virginia	Pinus virginiana	
pine, white	Pinus strobus	
pineapple, guava <sup>T</sup>	Feijoa sellowiana	
pieris	Pieris taiwanensis	
pittosporum, Japan		
potentilla	Potentilla nepalensis Potentilla fruticosa	abbotswood
privet	Ligustrum japonicum	golden vicary regal
		texanum
		wax
	1	yellow tipped
privet, glossy	Ligustrum lucidum	
pyracantha	Pyracantha koidzumii	gnome lalandei
	1	i iaiai iuci

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

<sup>†</sup>Ornamental species only: Do not use on food producing trees and ornamentals.

#### **Terms and Conditions of Use**

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.

#### **Warranty Disclaimer**

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.

#### Inherent Risks of Use

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.

#### **Limitation of Remedies**

To the extent permitted by law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, 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.

<sup>®</sup> Trademark of	The Dow	Chemical	Company	("Dow")	or an	affiliated	company	of Dow
EPA accepted	//							

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

[Front Panel of Bag]

# Crab-Buster® 0.125% FG LAWN AND ORNAMENTAL HERBICIDE

For control of crabgrass and control or suppression other listed 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 4.6 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 2.4 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.

Covers up to XX,000 sq ft (XXX' x XX') and/or
This bag covers XX,000 sq ft

GROUP	3	HERBICIDE

Active Ingredient

dithiopyr: 3,5- pyridinedicarbothioic acid, 2-(difluoromethyl)- 4-(2-methylpropyl)-6-

This product contains 0.0625 pound of the active ingredient dithiopyr per 50 pound bag.

## Guaranteed Fertilizer Analysis: XX-XX-XX †

Water-Insoluble Nitrogen*	XX%
Total Nitrogen (N)	
Ammoniacal Nitrogen	XX%
Nitrate Nitrogen	XX%
Urea Nitrogen**	XX%
Other Water Soluble Nitrogen	XX%
Available Phosphoric Acid Phosphate (P <sub>2</sub> O <sub>5</sub> )	XX%
Soluble Potash (K <sub>2</sub> O)	XX%
Calcium (Ca)	XX%
Magnesium (Mg)	XX%

Copper (Cu)	XX%
Iron (Fe)	XX%
Manganese (Mn)	
Zinc (Zn)	
Sulfur/Combined Sulfur (S)***	XX%
Chlorine (CI) Max	XX%

<sup>\*[</sup>XX]% Water insoluble nitrogen from biosolids.

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>

[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]

## Keep Out of Reach of Children

## **CAUTION**

#### 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, the 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 day or night, for emergency treatment information.

#### [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.

<sup>\*\*[</sup>XX]% Slowly available nitrogen from [polymer/sulfur] coated urea

<sup>\*\*[</sup>XX]% Stabilized urea nitrogen with dicyandiamide and N-(n-butyl) thiophosphoric triamide

<sup>\*\*[</sup>XX]% Enhanced efficiency urea nitrogen with [partial calcium salt of maleic-itaconic copolymer/partial calcium salt of maleic-itaconic copolymer]

<sup>\*\*\*[</sup>XX]% Free Sulfur (S)

<sup>&</sup>lt;sup>†</sup> Urea, methylene urea, sulfur coated urea, polymer coated urea, poly coated sulfur coated urea, urea formaldehyde, ammonium sulfate, corn gluten, bio-solids (Milorganite), 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 oxide, iron sucrate, iron/ferrous sulfate, manganese oxide, molybdic oxide, manganese sulfate, manganese sucrate, zinc oxide, zinc sulfate, sodium borate, boron, sulfur, or limestone.

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

Can Be Applied Up to 4 Weeks Later Than Other Preemergence Crabgrass Preventers.

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 [1st] 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]

**Zero 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**<sup>™</sup> Stabilized Nitrogen

**UFLEXX**<sup>™</sup> is a trademark of AGROTAIN International, LLC.

XX.X% Stabilized Nitrogen from UFLEXX<sup>™</sup>

**UMAXX®** Stabilized Nitrogen

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

XX.X% Stabilized Nitrogen from UMAXX®

**NutriSmart**®

NutriSmart is a registered Trademark of CK Life Science

**Contains SCU [Sulfur Coated Urea]** 

NutriSphere-N<sup>®</sup> XXX – [The % Nutrisphere is indicated by the number built into the logo and can range from 25 to 100.]

NutriSphere-N is a registered trademark of Specialty Fertilizer Products

Avail<sup>®</sup>

Avail is a registered trademark of Specialty Fertilizer Products

N-Sure<sup>®</sup>

N-Sure is a registered trademark of Tessenderlo Kerley

with XCU®

XCU is registered trademark of Agrium

**Apex-10<sup>™</sup> 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]

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

Regain [Spring Valley Labels Only]

MESA® Patented [Lebanon Seaboard Private Labels Only]

Meth-Ex <sup>®</sup> [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 Technology [Lebanon Seaboard Private Labels Only]** 

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

Contains LESCO<sup>®</sup> Poly Plus<sup>®</sup> 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]

Nutrilife fertilizer technology

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

Professional Turf Grade/Premium 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 a the following website: http://www.aafco.org/metals.htm.

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

- http://www.cdfa.ca.gov/egov/is/fert/
- http://www.oda.state.or.us/dbs/heavy\_metal/search.lasso

#### http://www.agr.wa.gov/PestFert/Fertilizers/ProductDatabase.aspx

It is a violation of law in Maryland 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 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 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 Applications which contain Phosphorus]

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 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.

Made in USA

#### **Precautionary Statements**

**Hazards to Humans and Domestic Animals** 

### CAUTION

Causes Eye Irritation • Harmful If Inhaled

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

#### **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.

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.

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

<sup>®</sup> Trademark of The Dow	Chemical Compan	v ("Dow") or an	affiliated company	v of Dow

Produced for Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268

EPA Reg. No. 62719-483

N	ET	W	FΙ	GF	4T	
141		vv		GI.		

EPA Est.

[Back Panel of Bag]

#### **Directions for use**

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.]

#### **Use Directions for Turf**

This turf fertilizer product, containing Crab-Buster<sup>®</sup> herbicide, can be applied up to 4 weeks later than other crabgrass preventers and provides up to 4 months of crabgrass control.

Crab-Buster 0.125% 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 9.2 lb of this product per 1,000 sq ft per application and no more than 27.6 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 9.2 lb of this product per 1,000 sq ft per application and no more than 27.6 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 9.2 lb of this product per 1,000 sq ft per application and no more than 27.6 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 9.2 lb of this product per 1,000 sq ft per application and no more than 27.6 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 9.2 lb of this product per 1,000 sq ft per application and no more than 27.6 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 9.2 lb of this product per 1,000 sq ft per application and no more than 27.6 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 9.2 lb of this product per 1,000 sq ft per application and no more than 27.6 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 9.2 lb of this product per 1,000 sq ft per application and no more than 27.6 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 9.2 lb of this product per 1,000 sq ft per application and no more than 27.6 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 9.2 lb of this product per 1,000 sq ft per application and no more than 27.6 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 9.2 lb of this product per 1,000 sq ft per application and no more than 27.6 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 9.2 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 0.125% 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 spring 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 0.125% FG will provide control of crabgrass and control or suppression of other listed grass and broadleaf weeds when applied prior their germination.

barley barnyardgrass bluegrass, annual brome crabgrass, large crabgrass, smooth crabgrass, Southern crowfootgrass <sup>†</sup> dallisgrass goosegrass foxtail, green foxtail, yellow kikuyugrass <sup>†</sup> oats, wild ryegrass (annual & perennial) sandbur smutgrass	Broadleaf Weeds bittercress † carpetweed chickweed † geranium, Carolina † henbit knotweed, prostrate lespedeza, common † marestail medic, black mustard oxalis, buttercup pineappleweed pigweed, redroot parsley-piert † purslane, common rocket, London shepherdspurse

spurge, spotted woodsorrel, creeping woodsorrel, yellow

#### **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, a 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**

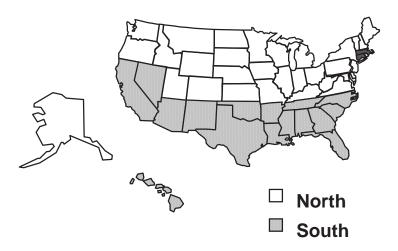
Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is recommended. A diversified weed management program may include the use of multiple herbicides with different modes of action and overlapping weed spectrum with 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 a 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 0.125% 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 0.125% 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:**

<sup>&</sup>lt;sup>†</sup>Suppression only



#### **Use Rates**

Amount of Crab-Buster 0.125% FG to Apply (Pounds of product to apply per 1,000 square feet of turfgrass †)							
		1171	<u> </u>				
	Length of Crabgrass Control						
Region of U.S.	Region of U.S. 2 - 3 months 3 - 4 months Early Postemergence Contr						
North	2.4 lb/1000 sq ft	3.2 lb/1000 sq ft	4.0 - 9.2 lb/1000 sq ft <sup>††</sup>				
(0.128 lb ai/acre) (0.174 lb ai/acre) (0.22 - 0.5 lb ai/acre							
South	3.5 lb/1000 sq ft	4.0 - 4.7 lb/1000 sq ft <sup>††</sup>	4.0 - 9.2 lb/1000 sq ft <sup>††</sup>				
	(0.192 lb ai/acre)	(0.22-0.256 lb ai./acre)	(0.22 - 0.5 lb ai/acre)				

<sup>&</sup>lt;sup>†</sup> 1,000 square feet equals an area 100 feet X 10 feet or square area of about 32 feet on a side.

#### **Maximum Application Rates:**

- **Do not** apply more than 9.2 lb of this product per 1,000 sq ft per application
- **Do not** apply more than 27.6 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 4.6 lb per 1000 sq ft per year of this product (equivalent to 0.25 lb of active ingredient per acre).

#### **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 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.

<sup>&</sup>lt;sup>††</sup> Use the higher rate in rate range in areas of high weed pressure or for increased length of control.

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

Brand and Model of Spreader	Calibration Settings at Specified Rate (lb/1000 sq ft)					
	2.4 XX XX XX XX 9.2					9.2
XXXXXXX	XX	XX	XX	XX	XX	XX

### Use Directions for Landscape Ornamentals

Crab-Buster 0.125% 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 0.125% FG Lawn and Ornamental Herbicide 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	Ounces of Product per
1000 Square Feet®	100 Square Feet †
9.2	0.92 (14.7 oz)

<sup>&</sup>lt;sup>†</sup>Rate based on an area of 100 sq ft for treatment of small areas.

#### **Maximum Application Rates:**

- **Do not** apply more than 9.2 lb of this product per 1,000 sq ft per application.
- **Do not** apply more than 27.6 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 4.6 lb per 1000 sq ft per year of this product (equivalent to 0.25 lb of active ingredient per acre).

#### **Application Timing and Recommendations**

Crab-Buster 0.125% 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**

- Apply this product only to established ornamentals.
- To avoid foliar damage to ornamentals, irrigate immediately after application to remove herbicide particles from the foliage.

#### **Use Restriction**

- 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.

#### **Weeds Controlled or Suppressed**

Used as directed, Crab-Buster 0.125% 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, it is recommended that a few plants in a limited area be treated and observed for tolerance under local growing conditions prior to large-scale use.

Common Name	Botanical Name	Tolerant Cultivars
abelia, dwarf	Abelia X grandiflora	nana
ajuga	Ajuga reptans Ajuga genevensis	bronze bronze beauty
almond, flowering	Prunus gladulosa	
apple <sup>†</sup>	Malus pumila	
arborvitae	Thuja occidentalis	nigra pyramidalis smaragh techny woodwardii
arborvitae, golden	Thuja orientalis	
aster, Chinese	Callistephus chinensis	dwarf queen
ash, green	Fraxinus pennsylvanica	
ash, mountain	Sorbus aucuparia	
ash, purple	Fraxinus americana	

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begonia Begonia spp. birch, river Betula nigra  blackeyed Susan Rudbeckia hirta goldstrum  blanket flower Gaillardia spp.  blueberry Vaccinium spp. bluecrop  blue jay  jersey  north blue  northland  bottlebrush Callistemon citrinus  boxwood, Japanese japonica  boxwood, weller Buxus sempervirens  broom Cytisus spp. moonlight  Genista pilosa Vancouver gold  bugle carpet  camellia Camellia japonica debutante  mathotiana supreme  chansonette	bearberry (common)	Arctostaphylos uva-ursi	Massachusetts
birch, river  blackeyed Susan  Rudbeckia hirta  blanket flower  blueberry Vaccinium spp.  blue jay jersey north blue northland  bottlebrush  boxwood, Japanese  boxwood, weller  broom  Cytisus spp.  Camellia  Camellia japonica  bujersey north blue northland  bottlebrush  Callistemon citrinus  japonica  moonlight  Vancouver gold  bugle carpet  Camellia japonica  debutante mathotiana supreme chansonette	bee balm	Monarda didyma	
blackeyed Susan  blanket flower  blueberry Vaccinium spp.  blueberry blue jay	begonia	Begonia spp.	
blanket flower  blueberry T  Vaccinium spp.  blue jay     jersey     north blue     northland  bottlebrush  boxwood, Japanese  boxwood, weller  broom  Cytisus spp.  Genista pilosa  bugle carpet  camellia  Camellia japonica  debutante     mathotiana supreme     chansonette	birch, river	Betula nigra	
blueberry    Vaccinium spp. blue jay jersey north blue northland  bottlebrush    boxwood, Japanese    boxwood, weller    broom    Cytisus spp.    Genista pilosa    bugle carpet    camellia    Camellia japonica    debutante mathotiana supreme chansonette	blackeyed Susan	Rudbeckia hirta	goldstrum
blue jay jersey north blue northland  bottlebrush boxwood, Japanese boxwood, weller broom Cytisus spp. Genista pilosa bugle carpet camellia Camellia japonica blue jay jersey north blue northland  japonica japonica woonlight Vancouver gold bugle carpet camellia		Gaillardia spp.	
jersey north blue northland  bottlebrush boxwood, Japanese boxwood, weller broom Cytisus spp. Genista pilosa  bugle carpet camellia Camellia japonica  japonica moonlight Vancouver gold  debutante mathotiana supreme chansonette	l blueberry <sup>†</sup>	Vaccinium spp.	
bottlebrush boxwood, Japanese boxwood, weller broom Cytisus spp. Genista pilosa bugle carpet camellia Camellia japonica Doxuod, weller Buxus sempervirens Wancouver gold bugle carpet camellia Camellia japonica Doxuod, weller Buxus sempervirens Wancouver gold Uncouver gold Doxuode debutante mathotiana supreme chansonette	I		blue jay
bottlebrush boxwood, Japanese boxwood, weller broom Cytisus spp. Genista pilosa bugle carpet camellia Camellia japonica  Northland piponica japonica japonica moonlight Vancouver gold bugle tarpet camellia	I		1
bottlebrush			110111111111111111111111111111111111111
boxwood, Japanese japonica boxwood, weller Buxus sempervirens broom Cytisus spp. moonlight Genista pilosa Vancouver gold bugle carpet camellia Camellia japonica debutante mathotiana supreme chansonette	1 (1 1		northland
boxwood, weller  broom  Cytisus spp.  Genista pilosa  Vancouver gold  bugle carpet  camellia  Camellia japonica  debutante mathotiana supreme chansonette		Callistemon citrinus	liananiaa
broom Cytisus spp. moonlight Genista pilosa Vancouver gold bugle carpet camellia Camellia japonica debutante mathotiana supreme chansonette		Duning some and desire	Japonica
Genista pilosa Vancouver gold bugle carpet camellia Camellia japonica debutante mathotiana supreme chansonette		•	moonlight
bugle carpet  camellia  Camellia japonica  debutante mathotiana supreme chansonette	Droom		
camellia  Camellia japonica  debutante  mathotiana supreme  chansonette	huglo carnet	- Geriista ріїоза	vancouver gold
mathotiana supreme chansonette		Complia ignories	dobutonto
chansonette	Carriellia	Саптеша јаропіса	
Cameilia sasanguá		Camellia sasangua	onansonette
candy tuft   Iberis spp.   snow white	candy tuft	<u> </u>	snow white
carex, variegated Carex			
cedar, red Juniperus virginiana		Juniperus virginiana	
celosia Celosia spp.	celosia		
centaura Centaurea montana	centaura	Centaurea montana	
cockscomb, plumosa Celosia cristata scarlet plumosa	cockscomb, plumosa		scarlet plumosa
coleus Coleus blumei red kewpie			red kewpie
columbine Aguilegia spp.			
copper leaf Acalypha wilkesiana	copper leaf	Acalypha wilkesiana	

coreopsis	Coreopsis spp.	moonbeam
corn flower	Centaurea spp.	
cotoneaster	Cotoneaster apiculatus	
coyotebrush	Baccharis pilularis	
cycads	Cycads revoluta	
cypress, bald	Taxodium distichum	
cypress, Italian	Cupressus sempervirens	glauca
cypress, Japanese false	Chamaecyparis obtusa	gracilis
cypress, leyland	Cupressocyparis leylandii	graeme
daffodil	Narcissus spp.	King Alfred
daylilly	Hemerocallis spp.	aztec gold bright yellow (hybrid) single gold (evergreen) wilsonís yellow
dianthus (sweet william)	Dianthus spp.	
delphinium	Delphinium spp.	magic fountain
dogwood	Cornus florida	
dogwood, American	Cornus sericea	flavarimaea
douglas fir	Pseudotsuga menziesii	
dusty miller	Senecio cineraria	
elm, drake	Ulmus parvifolia	
euonymus  fan palm, European fan palm, Mexican fern (various) fescue fetterbush ficus fir fraser forsythia	Chamaerops humilis Washingtonia robusta Asparagus spp. Festuca glauca Leucothoe fontanesiana Ficus retusa Abies fraseri Forsythia X intermedia	argenteo-variegata auereo-marginata colorata emerald gaiety emerald ën gold gold edge gold princess silver king tricolor vegetus  rainbow nitidia  Arnold dwarf bronxensis dwarf lynwood gold meadowlark weeping
fuchsia	Fuchsia spp.	wooping
galium	Galium ordoratum	
gardenia	Gardenia jasminoides	mystery radicans
geranium	Pelargonium X hortorum	
gum	Eucalyptus citriodora	
hawthorn	Crataegus spp.	cockspur white crimson cloud enchantress Jack Evans Washington white
heather, twisted	Erica cinerea	Mediterranean pink
hemlock, Canada	Tsuga canadensis	· ·

hibiscus	Hibiscus spp.	blue bird
TIIDISCUS	Tibiscus spp.	brilliant
		hula girl
holly	llex spp.	blue boy
Tiony	пех эрр.	blue girl
	Ilex X meserveae	burfodii
	nex x meservede	china girl
		compacta
		forsteri
		hellerie
		Japanese northern beauty
		needlepoint
		Nellie R. Stevens
	Ilex X attenuata	Savannah
holly, Chinese	llex cornuta	
holly, Japanese	llex crenata	
holly, yaupon	Ilex vomitoria	
honeysuckle	Lonicera japonica	claveyís dwarf
Honeysackie	Zomoora japomoa	halliana
		tatarian Canadian white
		zebelli red hosta
hosta	Hosta spp.	albo marginata
noota	Hosta lancifolia	also marginata
ice plant	Carpobrotus edulis	
impatiens	Impatiens spp.	
iris	Iris spp.	dwarf blue
1110	то орр.	wedgewood
ivy, English	Hedera helix	bulgaria
ivy, Englion	Trodord Tromx	thorndale
jasmine, Asian	Trachelospermum asiaticum	
juniper	Juniperus spp.	arcadia
' '	,	armstrong
		bar harbor
		11. 11
	Juniperus horizontalis	blue chip
	Juniperus horizontalis	blue chip blue pacific
	Juniperus horizontalis	
		blue pacific
	Juniperus horizontalis  Juniperus horizontalis	blue pacific blue rug
		blue pacific blue rug blue star
		blue pacific blue rug  blue star broadmoor buffalo Calgary carpet
		blue pacific blue rug  blue star broadmoor buffalo Calgary carpet emerald sea
		blue pacific blue rug  blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader
		blue pacific blue rug  blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader endora compacta
		blue pacific blue rug  blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader endora compacta fruitlandi
		blue pacific blue rug  blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader endora compacta fruitlandi green
		blue pacific blue rug  blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader endora compacta fruitlandi green gold tip
		blue pacific blue rug  blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader endora compacta fruitlandi green gold tip hetzi
		blue pacific blue rug  blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader endora compacta fruitlandi green gold tip hetzi hughes
		blue pacific blue rug  blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader endora compacta fruitlandi green gold tip hetzi hughes Manhattan blue
		blue pacific blue rug  blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader endora compacta fruitlandi green gold tip hetzi hughes Manhattan blue parsoni
		blue pacific blue rug  blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader endora compacta fruitlandi green gold tip hetzi hughes Manhattan blue parsoni pfitzeriana
		blue pacific blue rug  blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader endora compacta fruitlandi green gold tip hetzi hughes Manhattan blue parsoni pfitzeriana plumosa
		blue pacific blue rug  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
		blue pacific blue rug  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
		blue pacific blue rug  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
		blue pacific blue rug  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
		blue pacific blue rug  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
		blue pacific blue rug  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
		blue pacific blue rug  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
		blue pacific blue rug  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

	Juniperus chinensis	tamariscifolia
	Juniperus sabina	weberi
		youngstown
		yukon belle
king palm	Archontophoenix cunninghamiana	
laurel, Australian	Pittosporum tobira	
laurel, mountain	Kalmia latifolia	
leucothoe	Leucothoe fontanesiana	
ligustrum, Japanese	Ligustrum japonicum	
lily, African	Agapanthus africanus	albus Peter Pan
lily, African blue		Peter Pan
lily of the valley	Pieris japonica	Mt. Fire
lilyturf	Liriope muscari	evergreen giant
iliytuii	Linope muscan	lilac beauty
		majestic
		monroe white
		variegata
liriope, green	Liriope spicata	Ĭ
maple, Japanese	Acer japonicum	
maple, Norway	Acer platanoides	
maple, red <sup>†</sup>	Acer rubrum	
maple, silver	Acer saccharinum	
maple sugar †	Acer saccharum	
marigold	Tagetes patula	honeycomb
	a garage parama	variegata
		wheeleris dwarf
mock orange †	Philadelphus spp	golden
_		snowflake double white
mondo grass	Ophiopogon japonicus	
moss rose	Portulaca grandiflora	sunnyside
myrtle, crape	Lagerstroemia indica	faurei
		langer
		muskogee
d.	A A wis a sawifa wa	standard pink
myrtle, wax	Myrica cerifera	200000000
nandina	Nandina domestica	compacta
narcissus	Marajagua ann	nana
oak, laurel	Narcissus spp.  Quercus laurifolia	
,		
oak, pin oak, red	Quercus palustris  Quercus rubra	
oak, southern	Quercus virginiana	
oak, willow	Quercus phellos	
oleander	Nerium oleander	hardy red
oleander	Nenum oleander	petite pink
		Sister Agnes
osteospermum	Osteospermum fruticosum	wirligig
pachysandra	Pachysandra terminalis	
palm, bangalow	, aony danara torrimand	
pampas grass	Cortaderia selloana	
pansy	Viola x wittrockiana	
paper flower	Bougainvillea glabra	Barbara karst
peach †	Prunus persica	Dai Sara Raiot
periwinkle, dwarf	Vinca minor	
petunia	Petunia X hybrida	picoti
photinia, red tip	Photinia X fraseri	piooti
pieris	Pieris japonica	
Picilo	т топо јаронноа	

pine, Australian	Pinus nigra	
pine, Japanese black	Pinus thunbergiana	
	Pinus taeda	
pine, loblolly		
pine, longleaf	Pinus palustris	
pine, mugo	Pinus mugho	
pine, Scotch	Pinus sylvestris Pinus elliottii	
pine, slash		
pine, Swiss mt.	Pinus mugo	
pine, Virginia	Pinus virginiana	
pine, white	Pinus strobus	
pineapple, guava †	Feijoa sellowiana	
pieris	Pieris taiwanensis	
pittosporum, Japan		
potentilla	Potentilla nepalensis	abbotswood
	Potentilla fruticosa	
privet	Ligustrum japonicum	golden vicary
		regal
		texanum
		wax
privat alagav	Liquatrum lugidum	yellow tipped
privet, glossy pyracantha	Ligustrum lucidum Pyracantha koidzumii	anomo
pyracantna	Pyracantna kolozumii	gnome lalandei
		victory
queen palm	Arecastrum rammanzoffianum	Victory
quince, Japanese †	Arecastrum rammanzomanum	
rhododendron	Rhododendron spp	album
mododendion	Knododendron spp	Cunningham white
		fashion
		hardy
		pjm
		purple gem
		silvery pink
rhododendron, carolina	Rhododendron carolinianum	
rhododendron, catawba	Rhododendron catawbiense	
rockcress	Arabis spp.	snowcap
rhodie max (rosebay)	Rhododendron maximum	
rose †	Rosa banksiae	luta
rosemary †	Rosmarinus officinalis	
rosemary, bog	Andromeda polifolia	nana
salvia	Salvia farinacea	rhea
sedum	Sedum spurium	dragon blood red
Coddin	Обаст оранат	red carpet
		yellow
snapdragon	Antirrhinum spp.	
sourwood	Oxydendrum arboreum	
spiraea	Astilbe X arendsii	fanall
spiraea	Spiraea spp.	Anthony waterer red
		dolchica
		froebeli pink
		goldenflame red
		snowmound white
		Van Houtte white
spiraea, garland	Spiraea spp.	
spruce, black hills	Picea glauca	
spruce, Colorado blue	Picea pungens	
spruce, norway	Picea abies	
spruce, white	Picea glauca	conica
		i

	_	
sweetflag, grassyy-le		
sweetgum	Liquidambar styraciflua	
sycamore	Platanus occidentalis	
tree fern (tiki fern)	Asparagus virgatus	
trumpet flower, evening	Gelsemium sempervirens	
tulip	Tulip, spp	apeldoorn
verbena, shrub	Lantana sellowiana	
vervain	Verbena spp.	St. Paul
viburnum	Viburnum spp.	American cranberry bush arrowood common snowball European cranberry bush linden Mohican Wright
vinca (periwinkle)	Vinca minor	
windmill palm	Trachycarpus fortunei	
xylosma	Xylosma congestum	
yarrow	Achillea spp.	
yaupon	Ilex vomitoria	dwarf
yew	Taxus cuspidata Taxus X media	denisiformis

<sup>&</sup>lt;sup>†</sup>Ornamental species only: Do not use on food producing trees and ornamentals.

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