

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Kimberly Gilbert Regulatory Manager Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268 APR 2 4 2009

SUBJECT:

Applications for Pesticide Notification - Add Alternate Brand Names and Maximum Use

Rates to Each Optional Bullet for Florida Restrictions, and Revise Warranty

Dimension® 0.1% FG (Alternate Brand Name: Crab-Buster™ 0.1% FG)

EPA Reg. No. 62719-486

Dimension® 0.19 FG (Alternate Brand Name: Crab-Buster™ 0.19 FG)

EPA Reg. No. 62719-488 Applications Dated March 17, 2009

Dear Ms. Gilbert:

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above products. The Registration Division (RD) has conducted a review of these requests for their applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The main and alternate brand name labels that were submitted with the applications have been date-stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Terri Stowe of my staff at 703-305-6117.

Sincerely,

Linda Arrington

Notifications & Minor Formulations Team Leader

Registration Division (7505P)

Office of Pesticide Programs

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Pla se read instructions o	n reverse before compl	eting form.	- <u></u>	Form Apr	proved	. OMB No.	2070-0060	D. Approval expires 2-28-9
\$EPA	Environmenta	United States Al Protection ington, DC 2046	•	,	✓	Registra Amendr Other		OPP Identifier Number
		Application	n for Pestici	de - Sec	tion]		
Company/Product Num Dow AgroSciences/6			į.	Product Man e Miller	ager			posed Classification
4. Company/Product (Nan Dow AgroSciences/E			PM# 23					Nosticted .
5. Name and Address of A Dow AgroSciences 9330 Zionsville Roa Indianapolis, IN 46	LLC	ode)	(b)(i), n to: EPA F			ilar or ident		FIFRA Section 3(c)(3) mposition and labeling ATION 2009
			Section - I	1				
Notification - Explainment Explanation: Use addit This notification is consiste	in below. ional page(s) if necessal with the provisions of statement of formula of that if this notification is	ry. (For section of PR Notice 98-10 actions of the product. I undoes not consistent with	and EPA regulation derstand that it is a n the terms of PR N	Agency lett "Me Too" A Other - Exp as at 40 CFR violation of 1 lotice 98-10 a	ter dat Applica Iain be 152.46 8 U.S. and 40	ation. alow. alow other and no other and sections of the control of the contr	or changes	nake any false statement to
			Section - I	<u> </u>				
1. Material This Product V	Vill Be Packaged In:						•	
Child-Resistant Packaging Yes No Certification must be submitted	Unit Packaging Yes No If "Yes" Unit Packaging wgt	No. per . container	Water Soluble P Yes No If "Yes" Package wgt	No. per containe	T	2. Type of	Container Metal Plastic Glass Paper Other (S	pecify)
3. Location of Net Conten	s Information	4. Size(s) Retai	l Container		5. Lo	cation of Lab	el Directio	ns
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1. Contact Point (Comple	te items directly below	for identification	of individual to b	contacted,	if nec	essary, to pr	ocess this	application.)
Name Kimberly Gilbert		1	itle Regulatory Mana	ger			Telephone (317) 337	No. (Include Area Code)
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2. Signatura Any Ski	mon for		. Title Regulatory Manag	er			; (((((((((((((((((((
4. Typed Name Kimberly Gilbert		5.	. Date Mai	ch 17, 20	009			(, (t (, (t



308/2E March 17, 2009



Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

DIMENSION 0.1% FG (A.I. DITHIOPYR)
ALTERNATE BRAND NAME: CRAB-BUSTER 0.1% FG
EPA REGISTRATION NUMBER: 62719-486
NOTIFICATION OF MINOR LABEL CHANGE PER PR NOTICE 98-10

Enclosed please find labeling for the notification action of Dimension[®] 0.1% FG Turf and Ornamental Herbicide based on EPA accepted labeling dated March 23, 2003 and notifications dated June 24, 2005, February 24, 2009 and March 17, 2009. Per conversation with Eugene Wilson on February 25, 2009, the following additional changes are being made via notification:

- Application Precautions and Restrictions: Add maximum use rates to each optional bullet point for Florida restrictions.
- 2. Revise warranty section.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Contents of Submission

- Transmittal document (this letter)
- Application for Pesticide, EPA Form 8570-1
- Label entitled Dimension 0.1% FG (G2B / Dimension 0.1% FG / MSTR Notif / 03-17-09) (33 Pages plus Registration Notes) (5 Copies)

If you require further information, please contact Amy Hudson, Regulatory Specialist at (317) 337-3967 or Paula McKinnies, Registration Assistant for this product, at (317) 337-4679.

Sincerely,

Kimberly Gilbert
Regulatory Leader
(317) 337-4685

(317) 337-4649 (FAX)

KSG/akh Enclosures

G2B / Dimension 0.1% FG / MSTR FPL / 03-17-09 file: Dimension 0.1% FG-486 17Mar09Nf.doc

Dimension® 0.1% FG

EPA Reg. No. 62719-486

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

Registration Notes:

Final printed labeling EPA accepted label dated March 24, 2003 and notifications dated June 24, 2005, February 24, 2009 and March 17, 2009.

[®]Trademark of Dow AgroSciences LLC

[Sub Label A: Commercial Use]

[Front Panel of Bag]

Dimension® 0.1% 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 no more than 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per year. Use of this product in Nassau and Suffolk counties of New York is prohibited.

Active Ingredient	B. 6 (5) ====
dithiopyr: 3,5- pyridinedicarbothioic acid,	NOTIFICATION
2-(difluoromethyl)- 4-(2-methylpropyl)-6-	4.0 n .
(trifluoromethyl)-S,S-dimethyl ester0.1%	APR 2 4 2009
Other Ingredients99.9%	,
Total 100.0%	

This product contains 0.05 pound of the active ingredient dithiopyr per 50 pound bag. Product protected by U.S. Patent No. 4,692,184. Other patents pending

Guaranteed Fertilizer Analysis:	XX-XX-XX
Water-Insoluble Nitrogen	XX%
Total Nitrogen (N)	
Ammoniacal Nitrogen	
Urea Nitrogen	
Available Phosphoric Acid (P ₂ O ₅)	
Soluble Potash (K ₂ O)	
Calcium (Ca)	
Magnesium (Mg)	
Copper (Cu)	
Iron (Fe)	
Manganese (Mn)	
Zinc (Zn)	

[Editor's Note: the following footnote must be deleted from the label after completion of the above Fertilizer Analysis data]

[†] This product may be formulated with one or more of the following fertilizer materials: urea, methylene urea, sulfur coated urea, ammoniated phosphates, sulfate of potash, muriate of potash, copper oxide, iron oxide, manganese oxide, zinc oxide or limestone.

Keep Out of Reach of Children CAUTION

Precautionary Statements

Hazards to Humans and Domestic Animals

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.

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.

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.

EPA Reg. No. 62719-486

EPA	Est.
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Trademark of Dow AgroSciences LLC
Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

G2B / Dimension 0.1% FG / MSTR FPL / 03-17-09

70f37

Net	We	ight	



[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[®] 0.1% 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.

[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 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per application or more than 1500 lb (1.5 lb active ingredient) per acre (34.5 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 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per application or more than 1500 lb (1.5 lb active ingredient) per acre (34.5 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 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per application or
 more than 1500 lb (1.5 lb active ingredient) per acre (34.5 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 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per application or more than 1500 lb (1.5 lb active ingredient) per acre (34.5 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 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per application or more than 1500 lb (1.5 lb active ingredient) per acre (34.5 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 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per application or more than 1500 lb (1.5 lb active ingredient) per acre (34.5 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 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per application or more than 1500 lb (1.5 lb active ingredient) per acre (34.5 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 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per application or more than 1500 lb (1.5 lb active ingredient) per acre (34.5 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 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per application or more than 1500 lb (1.5 lb active ingredient) per acre (34.5 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 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per application or more than 1500 lb (1.5 lb active ingredient) per acre (34.5 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 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per application or more than 1500 lb (1.5 lb active ingredient) per acre (34.5 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 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per application or more than 1500 lb (1.5 lb active ingredient) per acre (34.5 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 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per application or more than 1500 lb (1.5 lb active ingredient) per acre (34.5 lb per 1000 sq ft) per year if using split or sequential applications.
- Florida Applications: For application to sports turf (non-agricultural land planted exclusively for golf courses, parks and athletic fields), follow "SL191, 'Recommendations for N, P, K and Mg for Golf Course & Athletic Field Fertilization Base on Mehlich I Extractant'" available at http://edis.ifas.ufl.edu/SS404, or "BMP's for Enhancement of Environmental Quality on Florida's Golf Courses" available at http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/glfbmp07.pdf.
- Florida Applications: For application to urban turf (non-agricultural land planted in closely mowed, managed grasses except golf courses, parks and athletic fields), follow "Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries" available at http://www.dep.state.fl.us/central/Home/MeetingsTraining/FLGreen/BMP_Book_final.pdf.

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	
bentgrass, creeping †	Agrostis palustris
bluegrass, Kentucky	Poa pratensis
fescue, fine ^{††}	Festuca rubra
fescue, tall	Festuca arundinacea
ryegrass, perennial	Lolium perenne
Warm-Season Grasses	
bahiagrass	Paspalum notatum
bermudagrass	Cynodon dactylon
buffalograss fff	Buchloe dactyloides
carpetgrass	Axonopus affinis

centipedegrass	Eremochloa ophiuroides
kikuyugrass	Pennisetum clandestinum
St. Augustinegrass	Stenotaphrum secundatum
zoysiagrass	Zoysia japonica

[†] Use of this product on certain varieties of creeping bentgrass, such as 'cohansey', 'carmen', seaside', and 'Washington' may result in undesirable turfgrass injury. Not all varieties of creeping bentgrass have been tested. **Do not** apply this product to colonial bentgrass (*Agrostis tenuis*).

the following fine fescue varieties have been found to be sensitive to this product: 'Atlanta', 'banner', 'beauty', 'bilgart', 'CF-2', 'enjoy', 'HF-93', 'highlight', 'ivalo', 'Jamestown', 'koket', 'majenta', 'mary', 'pennlawn', 'tamara', 'tatjana', 'waldorf', and 'waldina'. Not all varieties of fine fescue have been tested.

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

Note: It is not possible to evaluate all turfgrass varieties for tolerance to this product. It is suggested that the user evaluate the response of turfgrass varieties not listed on this label on a limited area, at 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 11.5 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.

Other Use Precautions

- Do not use clippings from treated turf for mulching around vegetables or fruit trees.
- Do not allow people or pets to enter treated area until dust has settled.
- Do not graze livestock or feed forage cut from areas treated with this product.

Application Directions for Turf

Tips for Improved Weed Control

- For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application.
- The turf herbicide and fertilizer components in this product are not effective until activated by rainfall or irrigation. Performance is improved if application is followed by 1/2 inch of rainfall or sprinkler irrigation. Erratic weed control may result if not activated by rainfall or irrigation within 30 days after application.
- Use of split (half-rate) applications spaced 5 10 weeks apart may provide improved weed control.

Maximum Use Rates (Applies to all Turfgrass Uses)

• **Do not** apply more than 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per application or more than 1500 lb (1.5 lb active ingredient) per acre (34.5 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 500 lb (0.5 lb active ingredient) per acre (11.5 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 rate recommendations 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 Recommended Use Rates

Region	Application Rates	Program 1	Program 2	Program 3
All states, except NY, and	lb/acre	190	250	. 380
parts of states not included	lb/1000 sq ft	4.4	5.7	8.7
in transition, south, coastal south or west.	lb ai/acre	0.19	0.25	0.38
Transition: DE, KS, KY, MD,	b/acre	250	380	500
MO, NJ, VA, southeastern PA,	lb/1000 sq ft	5.7	8.7	11.5

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	380	250 + 250	310 + 310
NM, OK, SC, TN, & TX	lb/1000 sq ft	8.7	5.7 + 5.7	7.1 + 7.1 [†]
	lb ai/acre	0.38	0.25 + 0.25	0.31 + 0.31
Coastal South: HI, FL, &	lb/acre	250 + 250	310 + 310	380 + 380
southern coastal areas of AL,	lb/1000 sq ft	5.7 + 5.7 [†]	7.1 + 7.1 [†]	8.7 + 8.7 [†]
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	190 + 250	250 + 380	250 + 250
climatically diverse region, use	lb/1000 sq ft	4.4 + 5.7	5.7 + 8.7	5.7 + 5.7 [†]
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

[†] 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, large Digitaria sanguinalis crabgrass, smooth Crabgrass, Southern Digitaria ciliaris

crowfootgrass [†] Dactyloctenium aegyptium dallisgrass (seedling) Paspalum dilatatum

goosegrass Eleusine indica foxtail, green Setaria verdi foxtail, yellow Setaria faberi

kikuyugrass[†] Pennisetum clandestinum

oats, wild Avena fatua ryegrass Lolium spp.

(annual & perennial)

sandbur Cenchrus spp. smutgrass Sporobolus indicus

Broadleaf Weeds

bittercress [†] Cardamine spp. carpetweed Mollugo verticillata chickweed [†] Stellaria spp.

geranium, Carolina [†] Geranium carolinianum

henbit Lamium spp.

knotweed, prostrate Polygonum aviculare lespedeza, common[†] Lespedeza striata marestail Conyza canadensis medic, black Medicago lupulina Brassica spp. mustard Oxalis pes-caprae oxalis, buttercup Matricaria matricarioides pineappleweed T pigweed, redroot Amaranthus retroflexus parsley-piert 1 Alchemilla arvensis purslane, common Portulaca oleracea rocket, London Sisvmbrium irio

shepherdspurse speedwell, corn to 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

Application Instructions and Equipment

This product may be applied with drop or rotary-type spreaders designed to apply granular herbicides. For best results, apply this product evenly and uniformly avoiding streaking, skips or overlaps. Avoid the use of spreaders that tend to apply granules in narrow rows or concentrated bands. Calibrate the spreader according to the manufacturer's directions. Initial spreader settings may require adjustment to deliver the recommended application rate under actual application conditions. The desired calibration setting may be marked or recorded for future reference. Apply this product uniformly over the treatment area. More uniformity of application can usually be achieved by applying one-half of the required amount of product over the treatment area and then applying the remaining one-half in a different direction (e.g., at a right angle to the previous direction). Avoid streaking, skips, or overlaps during application.

Check equipment frequently to verify calibration and proper functioning.

Use Directions for Landscape Ornamentals

[†]Suppression only

Dimension 0.1% 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 [†]
500	11.5	1.15 (18.4 oz)

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

Maximum Use Rates

- **Do not** apply more than 500 lb (0.5 lb active ingredient) per acre (11.5 lb per 1000 sq ft) per application or more than 1500 lb (1.5 lb active ingredient) per acre (34.5 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 500 lb (0.5 lb active ingredient) per acre (11.5 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 0.1% 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.
- 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.
- To avoid foliar damage to ornamentals, irrigate immediately after application to remove any herbicide granules adhering to foliage.
- 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 0.1% 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 [†]	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		

r	T =	
barberry	Berberis thunbergii	aurea
l		dwarf pigmy
		green
		kobold
		pygmy red
		rose glow
barberry, purple		atropurpurea
	Calllandia anno difform	alropurpurea
basket flower	Gaillardia grandiflora	
bearberry (common)	Arctostaphylos uva-ursi	Massachusetts
bee balm	Monarda didyma	
begonia	Begonia spp.	
birch, river	Betula nigra	•
blackeyed Susan	Rudbeckia hirta	goldstrum
blanket flower	Gaillardia spp.	Jenethan J
blueberry	Vaccinium spp.	bluecrop
blueberry	vaccinium spp.	
		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
Carriellia	Camelia japonica	mathotiana supreme
i		chansonette
	Camellia sasangua	Chansomette
and theft		
candy tuft	Iberis spp.	snow white
carex, variegated	Carex	·
cedar, red	Juniperus virginiana	· ·
	L Cologio ann	1
celosia	Celosia spp.	
centaura	Centaurea montana	
centaura		scarlet plumosa
	Centaurea montana Celosia cristata	
centaura cockscomb, plumosa coleus	Centaurea montana Celosia cristata Coleus blumei	scarlet plumosa red kewpie
centaura cockscomb, plumosa coleus columbine	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp.	
centaura cockscomb, plumosa coleus columbine copper leaf	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana	red kewpie
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp.	
centaura cockscomb, plumosa coleus columbine copper leaf	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana	red kewpie
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp.	red kewpie
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus	red kewpie
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp.	red kewpie
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus	red kewpie
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower cotoneaster coyotebrush cycads	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus Baccharis pilularis Cycads revoluta	red kewpie
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower cotoneaster coyotebrush cycads cypress, bald	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus Baccharis pilularis Cycads revoluta Taxodium distichum	red kewpie moonbeam
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower cotoneaster coyotebrush cycads cypress, bald cypress, Italian	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus Baccharis pilularis Cycads revoluta Taxodium distichum Cupressus sempervirens	red kewpie moonbeam glauca
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower cotoneaster coyotebrush cycads cypress, bald cypress, Japanese false	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus Baccharis pilularis Cycads revoluta Taxodium distichum Cupressus sempervirens Chamaecyparis obtusa	red kewpie moonbeam
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower cotoneaster coyotebrush cycads cypress, bald cypress, Italian cypress, leyland	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus Baccharis pilularis Cycads revoluta Taxodium distichum Cupressus sempervirens Chamaecyparis obtusa Cupressocyparis leylandii	red kewpie moonbeam glauca gracilis
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower cotoneaster coyotebrush cycads cypress, bald cypress, Italian cypress, Japanese false cypress, leyland daffodil	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus Baccharis pilularis Cycads revoluta Taxodium distichum Cupressus sempervirens Chamaecyparis obtusa Cupressocyparis leylandii Narcissus spp.	red kewpie moonbeam glauca gracilis King Alfred
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower cotoneaster coyotebrush cycads cypress, bald cypress, Italian cypress, leyland	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus Baccharis pilularis Cycads revoluta Taxodium distichum Cupressus sempervirens Chamaecyparis obtusa Cupressocyparis leylandii	glauca gracilis King Alfred aztec gold
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower cotoneaster coyotebrush cycads cypress, bald cypress, Italian cypress, Japanese false cypress, leyland daffodil	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus Baccharis pilularis Cycads revoluta Taxodium distichum Cupressus sempervirens Chamaecyparis obtusa Cupressocyparis leylandii Narcissus spp. Hemerocallis spp.	glauca gracilis King Alfred aztec gold bright yellow (hybrid)
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower cotoneaster coyotebrush cycads cypress, bald cypress, Italian cypress, Japanese false cypress, leyland daffodil	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus Baccharis pilularis Cycads revoluta Taxodium distichum Cupressus sempervirens Chamaecyparis obtusa Cupressocyparis leylandii Narcissus spp.	glauca gracilis King Alfred aztec gold bright yellow (hybrid) single gold (evergreen)
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower cotoneaster coyotebrush cycads cypress, bald cypress, Italian cypress, Japanese false cypress, leyland daffodil	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus Baccharis pilularis Cycads revoluta Taxodium distichum Cupressus sempervirens Chamaecyparis obtusa Cupressocyparis leylandii Narcissus spp. Hemerocallis spp.	glauca gracilis King Alfred aztec gold bright yellow (hybrid)
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower cotoneaster coyotebrush cycads cypress, bald cypress, Italian cypress, Japanese false cypress, leyland daffodil daylilly	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus Baccharis pilularis Cycads revoluta Taxodium distichum Cupressus sempervirens Chamaecyparis obtusa Cupressocyparis leylandii Narcissus spp. Hemerocallis spp.	glauca gracilis King Alfred aztec gold bright yellow (hybrid) single gold (evergreen)
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower cotoneaster coyotebrush cycads cypress, bald cypress, Italian cypress, Japanese false cypress, leyland daffodil daylilly dianthus (sweet william)	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus Baccharis pilularis Cycads revoluta Taxodium distichum Cupressus sempervirens Chamaecyparis obtusa Cupressocyparis leylandii Narcissus spp. Hemerocallis spp.	red kewpie moonbeam glauca gracilis King Alfred aztec gold bright yellow (hybrid) single gold (evergreen) wilsonis yellow
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower cotoneaster coyotebrush cycads cypress, bald cypress, Italian cypress, Japanese false cypress, leyland daffodil daylilly dianthus (sweet william) delphinium	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus Baccharis pilularis Cycads revoluta Taxodium distichum Cupressus sempervirens Chamaecyparis obtusa Cupressocyparis leylandii Narcissus spp. Hemerocallis spp. Dianthus spp. Delphinium spp.	glauca gracilis King Alfred aztec gold bright yellow (hybrid) single gold (evergreen)
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower cotoneaster coyotebrush cycads cypress, bald cypress, Italian cypress, Italian daffodil daylilly dianthus (sweet william) delphinium dogwood	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus Baccharis pilularis Cycads revoluta Taxodium distichum Cupressus sempervirens Chamaecyparis obtusa Cupressocyparis leylandii Narcissus spp. Hemerocallis spp. Dianthus spp. Delphinium spp. Cornus florida	red kewpie moonbeam glauca gracilis King Alfred aztec gold bright yellow (hybrid) single gold (evergreen) wilsonís yellow magic fountain
centaura cockscomb, plumosa coleus columbine copper leaf coreopsis corn flower cotoneaster coyotebrush cycads cypress, bald cypress, Italian cypress, Japanese false cypress, leyland daffodil daylilly dianthus (sweet william) delphinium	Centaurea montana Celosia cristata Coleus blumei Aguilegia spp. Acalypha wilkesiana Coreopsis spp. Centaurea spp. Cotoneaster apiculatus Baccharis pilularis Cycads revoluta Taxodium distichum Cupressus sempervirens Chamaecyparis obtusa Cupressocyparis leylandii Narcissus spp. Hemerocallis spp. Dianthus spp. Delphinium spp.	red kewpie moonbeam glauca gracilis King Alfred aztec gold bright yellow (hybrid) single gold (evergreen) wilsonis yellow

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	
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 radicans
geranium	Pelargonium X hortorum	<u> </u>
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 brilliant hula girl
holly	Ilex spp. Ilex X meserveae	blue boy blue girl burfodii china girl compacta
	llex X attenuata	forsteri hellerie Japanese northern beauty needlepoint Nellie R. Stevens Savannah
holly, Chinese	llex cornuta	
holly, Japanese	llex crenata	
holly, yaupon	llex vomitoria	
honeysuckle	Lonicera japonica	claveyís dwarf halliana tatarian Canadian white zebelli red hosta
hosta	Hosta spp. Hosta lancifolia	albo marginata

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ice plant	Carpobrotus edulis	
impatiens	Impatiens spp.	
iris	Iris spp.	dwarf blue
	e epp.	wedgewood
ivy, English	Hedera helix	bulgaria
ivy, Englist,	Tiodora Tionx	thorndale
jasmine, Asian	Trachelospermum asiaticum	unomado
		aradia
juniper	Juniperus spp.	arcadia
		armstrong
	tunin anna tanàna da lia	bar harbor
	Juniperus horizontalis	blue chip
		blue pacific
		blue rug
	Juniperus horizontalis	blue star
		broadmoor
		buffalo
	·	Calgary carpet
		emerald sea
•		emerald spreader
		endora compacta
		fruitlandi
		green
		gold tip
		hetzi
		hughes Manhattan blue
		The state of the s
		parsoni
		pfitzeriana
		plumosa
	•	prince of Wales
		procumbens dwarf San Jose
		sargent blue
		sargent green scandia
		scopularum alamakat
	•	scopulorum skyrocket
		spartan
	Juniperus chinensis	tamariscifolia
	Juniperus sabina	weberi _
		youngstown
		yukon belle
king palm	Archontophoenix cunninghamiana	
laurel, Australian	Pittosporum tobira	
laurel, mountain	Kalmia latifolia	
	Kalmia latifolia Leucothoe fontanesiana	
laurel, mountain leucothoe	Leucothoe fontanesiana	
laurel, mountain leucothoe ligustrum, Japanese	Leucothoe fontanesiana Ligustrum japonicum	albus
laurel, mountain leucothoe	Leucothoe fontanesiana	
laurel, mountain leucothoe ligustrum, Japanese lily, African	Leucothoe fontanesiana Ligustrum japonicum	albus Peter Pan
laurel, mountain leucothoe ligustrum, Japanese lily, African	Leucothoe fontanesiana Ligustrum japonicum Agapanthus africanus	Peter Pan
laurel, mountain leucothoe ligustrum, Japanese lily, African lily, African blue lily of the valley	Leucothoe fontanesiana Ligustrum japonicum Agapanthus africanus Pieris japonica	Peter Pan Mt. Fire
laurel, mountain leucothoe ligustrum, Japanese lily, African	Leucothoe fontanesiana Ligustrum japonicum Agapanthus africanus	Mt. Fire evergreen giant
laurel, mountain leucothoe ligustrum, Japanese lily, African lily, African blue lily of the valley	Leucothoe fontanesiana Ligustrum japonicum Agapanthus africanus Pieris japonica	Mt. Fire evergreen giant lilac beauty
laurel, mountain leucothoe ligustrum, Japanese lily, African lily, African blue lily of the valley	Leucothoe fontanesiana Ligustrum japonicum Agapanthus africanus Pieris japonica	Mt. Fire evergreen giant lilac beauty majestic
laurel, mountain leucothoe ligustrum, Japanese lily, African lily, African blue lily of the valley	Leucothoe fontanesiana Ligustrum japonicum Agapanthus africanus Pieris japonica	Mt. Fire evergreen giant lilac beauty majestic monroe white
laurel, mountain leucothoe ligustrum, Japanese lily, African lily, African blue lily of the valley lilyturf	Leucothoe fontanesiana Ligustrum japonicum Agapanthus africanus Pieris japonica Liriope muscari	Mt. Fire evergreen giant lilac beauty majestic
laurel, mountain leucothoe ligustrum, Japanese lily, African lily, African blue lily of the valley lilyturf	Leucothoe fontanesiana Ligustrum japonicum Agapanthus africanus Pieris japonica Liriope muscari Liriope spicata	Mt. Fire evergreen giant lilac beauty majestic monroe white
laurel, mountain leucothoe ligustrum, Japanese lily, African lily, African blue lily of the valley lilyturf liriope, green maple, Japanese	Leucothoe fontanesiana Ligustrum japonicum Agapanthus africanus Pieris japonica Liriope muscari Liriope spicata Acer japonicum	Mt. Fire evergreen giant lilac beauty majestic monroe white
laurel, mountain leucothoe ligustrum, Japanese lily, African lily, African blue lily of the valley lilyturf	Leucothoe fontanesiana Ligustrum japonicum Agapanthus africanus Pieris japonica Liriope muscari Liriope spicata	Mt. Fire evergreen giant lilac beauty majestic monroe white

maple, silver	Acer saccharinum	
maple sugar [†]	Acer saccharum	
marigold	Tagetes patula	honeycomb
3		variegata
		wheeleris dwarf
mock orange †	Philadelphus spp	golden
J	, , , ,	snowflake double white
mondo grass	Ophiopogon japonicus	,
moss rose	Portulaca grandiflora	sunnyside
myrtle, crape	Lagerstroemia indica	faurei
•		langer
		muskogee
		standard pink
myrtle, wax	Myrica cerifera	·
nandina	Nandina domestica	compacta
·		nana
narcissus	Narcissus spp.	
oak, laurel	Quercus laurifolia	
oak, pin	Quercus palustris	
oak, red	Quercus rubra	
oak, southern	Quercus virginiana	N .
oak, willow	Quercus phellos	
oleander	Nerium oleander	hardy red
		petite pink
		Sister Agnes
osteospermum	Osteospermum fruticosum	wirligig
pachysandra	Pachysandra terminalis	
palm, bangalow		
pampas grass	Cortaderia selloana	
pansy	Viola x wittrockiana	
paper flower	Bougainvillea glabra	Barbara karst
peach [†]	Prunus persica	
periwinkle, dwarf	Vinca minor	
petunia	Petunia X hybrida	picoti
photinia, red tip	Photinia X fraseri	
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 †	Feijoa sellowiana	
pieris	Pieris taiwanensis	
pittosporum, Japan	Dotontillo socialisti	abhataur - d
potentilla	Potentilla nepalensis	abbotswood
m missa A	Potentilla fruticosa	- Aldon vison v
privet	Ligustrum japonicum	golden vicary
•		regal
		texanum
		wax yellow tipped
privet, glossy	Ligustrum lucidum	yenow upped

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pyracantha	Pyracantha koidzumii	gnome lalandei victory
queen palm	Arecastrum rammanzoffianum	
quince, Japanese [↑]		
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 †	Rosa banksiae	luta
rosemary T	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	•
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	llex vomitoria	dwarf
yew	Taxus cuspidata	denisiformis
·	Taxus X media	



[†]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.

[®]Trademark of Dow AgroSciences LLC EPA accepted 03/24/03

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

[Front Panel of Bag]

Crab-Buster™ 0.1% FG

Lawn and Ornamental Herbicide

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

- Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.
- Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.
- For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns.

In the state of New York, do not exceed 5.7 lb per 1000 sq ft per year of this product (equivalent to 0.25 lb of 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

A - 45 - - 1 - - - - - - - - 15 - - - 4

Active ingredient ,	
dithiopyr: 3,5- pyridinedicarbothioic acid,	
2-(difluoromethyl)- 4-(2-methylpropyl)-6-	
(trifluoromethyl)-S,S-dimethyl ester	0.1%
Other Ingredients	99.9%
Total	100.0%

This product contains 0.05 pound of the active ingredient dithiopyr per 50 pound bag. Product protected by U.S. Patent No. 4,692,184. Other patents pending

Guaranteed Fertilizer Analysis: XX-XX-XX †

Water-Insoluble Nitrogen	XX%
Total Nitrogen (N)	
Ammoniacal Nitrogen	
Urea Nitrogen	
Available Phosphoric Acid (P ₂ O ₅)	
Soluble Potash (K ₂ O)	
Calcium (Ca)	
Magnesium (Mg)	
Copper (Cu)	
Iron (Fe)	
Manganese (Mn)	
Zinc (Zn)	

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[Editor's Note: the following footnote must be deleted from the label after completion of the above Fertilizer Analysis data]

[†] This product may be formulated with one or more of the following fertilizer materials: urea, methylene urea, sulfur coated urea, ammoniated phosphates, sulfate of potash, muriate of potash, copper oxide, iron oxide, manganese oxide, zinc oxide or limestone.

Keep Out of Reach of Children CAUTION

[Optional Label Claims]

- A Herbicide Plus Fertilizer Combination Product that Provides Control of Crabgrass and many Other Weeds in Established Lawns and Ornamental Turfgrasses and Residential Landscapes.
- Premium Granular Fertilizer Providing the Nutrients Needed for Beautiful Healthy Lawn and Ornamentals.
- 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

Precautionary Statements

Hazards to Humans and Domestic Animals

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.

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.

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.

. G2B / Dimension 0.1% FG / MSTR FPL / 03-17-09

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In case of emergency endangering health or the environment involving this produ	ct, call 1-800-992-5994.
Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.	
EPA.Reg. No. 62719-486	EPA Est
™Trademark of Dow AgroSciences LLC Produced for Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	
	Not Woight



[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[™] herbicide, can be applied up to 4 weeks later than other crabgrass preventers and provides up to 4 months of crabgrass control.

Crab-Buster 0.1% 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 11.5 lb of this product per 1,000 sq ft per application and no more than 34.5 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 11.5 lb of this product per 1,000 sq ft per application and no more than 34.5 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 11.5 lb of this product per 1,000 sq ft per application and no more than 34.5 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 11.5 lb of this product per 1,000 sq ft per application and no more than 34.5 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 11.5 lb of this product per 1,000 sq ft per application and no more than 34.5 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 11.5 lb of this product per 1,000 sq ft per application and no more than 34.5 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 11.5 lb of this product per 1,000 sq ft per application and no more than 34.5 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 11.5 lb of this product per 1,000 sq ft per application and no more than 34.5 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 11.5 lb of this product per 1,000 sq ft per application and no more than 34.5 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 11.5 lb of this product per 1,000 sq ft per application and no more than 34.5 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 11.5 lb of this product per 1,000 sq ft per application and no more than 34.5 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- Florida Applications: Do not exceed [3] [4] [5] [6] applications per year on zoysiagrass in central Florida. Do not apply more than 11.5 lb of this product per 1,000 sq ft per application and no more than 34.5 lb of this product/1000 sq ft per year (equivalent to 0.5 and 1.5 lb of active ingredient per acre, respectively).
- Florida Applications: Do not exceed [4] [5] [6] applications per year on zoysiagrass in the south. Do not apply more than 11.5 lb of this product per 1,000 sq ft per application and no more than 34.5 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 11.5 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.

Other Use Precautions

- Do not use clippings from treated turf for mulching around vegetables or fruit trees.
- Do not allow people or pets to enter treated area until dust has settled.

Application Timing

Spring Application

Control of Crabgrass: Crab-Buster 0.1% 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 0.1% FG will provide control of crabgrass and control or suppression of other listed grass and broadleaf weeds when applied prior their germination.

Grasses	Broadleaf Weeds
barley	bittercress [†]
barnyardgrass	carpetweed
bluegrass, annual	chickweed [†]
brome	geranium, Carolina [†]
crabgrass, large	henbit
crabgrass, smooth	knotweed, prostrate
crabgrass, Southern	lespedeza, common †
crowfootgrass †	marestail
dallisgrass	medic, black
goosegrass	mustard
foxtail, green	oxalis, buttercup
foxtail, yellow	pineappleweed

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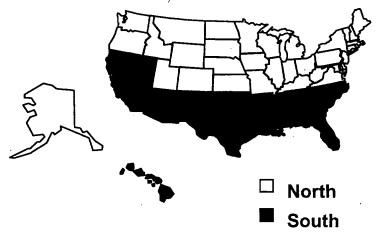
kikuyugrass [†] pigweed, redroot parsley-piert [†] ryegrass (annual & perennial) sandbur rocket, London smutgrass speedwell, corn [†]

pigweed, redroot parsley-piert [†] purslane, common rocket, London shepherdspurse speedwell, corn [†] spurge, garden spurge, prostrate spurge, spotted woodsorrel, creeping woodsorrel, yellow

Length of Control

Crab-Buster 0.1% 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 0.1% 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:



Recommended Use Rates

Amount of Crab-Buster 0.1% FG to Apply (Pounds of product to apply per 1,000 square feet of turfgrass †)				
	Length of Crabgrass Control			
Region of U.S.	2 - 3 months	3 - 4 months	Early Postemergence Control	
North	2.9 lb/1000 sq ft (0.128 lb ai/acre)	4.0 lb/1000 sq ft (0.174 lb ai/acre)	5.1 - 11.5 lb/1000 sq ft ^{f†} (0.22 - 0.5 lb ai/acre)	
South	4.4 lb/1000 sq ft (0.192 lb ai/acre)	5.1 - 5.9 lb/1000 sq ft ^{ft} (0.22-0.256 lb ai./acre)	5.1 - 11.5 lb/1000 sq ft ^{ff} (0.22 - 0.5 lb ai/acre)	

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

Maximum Application Rates:

• **Do not** apply more than 11.5 lb of this product per 1,000 sq ft per application and no more than 34.5 lb of this product/1000 sq ft per year.

[†]Suppression only

¹¹ Use the higher rate in rate range in areas of high weed pressure or for increased length of control.

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• In the state of New York, do not exceed 5.7 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 recommended application rate under actual application conditions. The desired calibration setting may be marked or recorded for future reference. Apply this product uniformly over the treatment area. More uniformity of application can usually be achieved by applying one-half of the required amount of product over the treatment area and then applying the remaining one-half in a different direction (e.g., at a right angle to the previous direction). Avoid streaking, skips, or overlaps during application.

Check equipment frequently to verify calibration and proper functioning.

[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)					
	2.9	4.0-	4.4	5.1	5.9	11.5
XXXXXXX	XX	XX	ХХ	XX	XX	
			L			

Use Directions for Landscape Ornamentals

Crab-Buster 0.1% 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 0.1% 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 [†]
11.5	1.15 (18.4 oz)

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

Maximum Application Rates:

• **Do not** apply more than 11.5 lb of this product per 1,000 sq ft per application and no more than 34.5 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 5.7 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 0.1% 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.
- 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.
- To avoid foliar damage to ornamentals, irrigate immediately after application to remove herbicide particles from the foliage.
- **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 0.1% 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 beauty
almond, flowering	Prunus gladulosa	
apple [†]	Malus pumila	
arborvitae	Thuja òccidentalis	nigra pyramidalis smaragh techny woodwardii
arborvitae, golden	Thuja orientalis	

Carlos Chisasa	Callintanton abinancia	T donat con-
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	
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 Camellia sasangua	debutante mathotiana supreme chansonette
candy tuft	Iberis spp.	snow white
carex, variegated	Carex	
cedar, red	Juniperus virginiana	
celosia	Celosia spp.	
centaura	Centaurea montana	
cockscomb, plumosa	Celosia cristata	scarlet plumosa

	Ta	
coleus	Coleus blumei	red kewpie
columbine	Aguilegia spp.	
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	
daffodil	Narcissus spp.	King Alfred
daylilly	Hemerocallis spp.	aztec gold bright yellow (hybrid)
ĺ		single gold (evergreen)
		wilsonis 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	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	Vegetus
fan palm, Mexican	Washingtonia robusta	
fern (various)	Asparagus spp.	
fescue	Festuca glauca	
fetterbush	Leucothoe fontanesiana	rainbow
ficus	Ficus retusa	nitidia
fir fraser	Abies fraseri	Titadia
forsythia	Forsythia X intermedia	Arnold dwarf
lorsyuna	7 orsytma X micrinicula	bronxensis dwarf
		lynwood gold
İ		meadowlark
· ·	Spring Glory	weeping
fuchsia	Fuchsia spp.	,
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
<u> </u>	1	Washington white
heather, twisted	Erica cinerea	Mediterranean pink

⊃age	29
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hemlock, Canada	Tsuga canadensis	
hibiscus	Hibiscus spp.	blue bird
		brilliant
		hula girl
holiy	llex spp.	blue boy
		blue girl
	llex X meserveae	burfodii
		china girl
		compacta forsteri
		hellerie
		Japanese northern beauty
		needlepoint
		Nellie R. Stevens
	llex X attenuata	Savannah
holly, Chinese	llex cornuta	
holly, Japanese	llex crenata	
holly, yaupon	llex vomitoria	
honeysuckle	Lonicera japonica	claveyis dwarf
		halliana
		tatarian Canadian white
<u> </u>		zebelli red hosta
hosta	Hosta spp Hosta lancifolia	albo marginata
ion plant		
ice plant impatiens	Carpobrotus edulis	
iris	Impatiens spp.	dwarf blue
	Iris spp.	wedgewood
ivy, English	Hedera helix	bulgaria
ivy, Liigiisii	Tredera fielix	thorndale
jasmine, Asian	Trachelospermum asiaticum	
juniper	Juniperus spp.	arcadia
		armstrong
		bar harbor
	Juniperus horizontalis	blue chip
	·	blue pacific
		blue rug

	Juniperus horizontalis	blue star
		broadmoor
		buffalo
		Calgary carpet
	•	emerald sea
		emerald spreader
		endora compacta
		fruitlandi
		green
		gold tip
		hetzi
		hughes
		Manhattan blue
	·	parsoni
	·	pfitzeriana
		plumosa
		prince of Wales
		procumbens dwarf
		San Jose
,		sargent blue
		sargent green
	·	scandia
		scopulorum moonglow
		scopulorum skyrocket
		spartan
	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		
lily of the valley	Pieris japonica	Mt. Fire
lilyturf	Liriope muscari	evergreen giant
_		lilac beauty .
	ţ	majestic
		monroe white
		variegata
liriope, green	Liriope spicata	
maple, Japanese	Acer japonicum	
maple, Norway	Acer platanoides	
maple, red [†]	Acer rubrum	
maple, silver	Acer saccharinum	
	Acer saccharium Acer saccharium	
maple sugar [†]		<u> </u>
marigold	Tagetes patula	honeycomb
	,	variegata
		wheeleris dwarf
mock orange [†]	Philadelphus spp	golden
<u> </u>		snowflake double white
mondo grass	Ophiopogon japonicus	
moss rose	Portulaca grandiflora	sunnyside
myrtle, crape	Lagerstroemia indica	faurei
		langer
		muskogee
		standard pink
	1	

myrtle, wax	Myrica cerifera	
nandina	Nandina domestica	compacta
		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		
pampas grass	Cortaderia selloana	
pansy	Viola x wittrockiana	,
paper flower	Bougainvillea glabra	Barbara karst
peach [†]	Prunus persica	
periwinkle, dwarf	Vinca minor	
petunia	Petunia X hybrida	picoti
photinia, red tip	Photinia X fraseri	1
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 †	Feijoa sellowiana	
pieris	Pieris taiwanensis	
pittosporum, Japan	Fielis lawarierisis	-
potentilla	Datantilla nanalanaia	abbotswood
·	Potentilla nepalensis Potentilla fruticosa	
privet	Ligustrum japonicum	golden vicary regal texanum wax yellow tipped
privet, glossy	Ligustrum lucidum	1
pyracantha	Pyracantha koidzumii	gnome lalandei victory
queen palm	Arecastrum rammanzoffianum	
quince, Japanese [†]		
rhododendron	Rhododendron spp	album Cunningham white fashion hardy pjm purple gem
rhadadaadran aaralina	Dhadadandras analinianus	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 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	
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

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

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