

Lebanon Pro




FERTILIZER with
Dimension® 0.15% FG
 Turf and Ornamental Herbicide

17-0-0

CONTAINS **SCU**


GROUP 3 HERBICIDE


 SIZE GUIDE NUMBER
 SGN 220

GUARANTEED ANALYSIS

Total Nitrogen (N)	17.0%
17.0% Urea Nitrogen*	
Sulfur (S)	1.4%
1.4% Free Sulfur (S)	

Derived From: Urea, Polymer Coated Sulfur Coated Urea.
 *4.25% Slowly Available Nitrogen from Sulfur Coated Urea.
 Chlorine (Cl) not more than 2.0%


 0 88685 40390 3
22-40390 F699
 A/18

Information regarding the contents and levels of metals in this product is available on the Internet at:
<http://www.cdffa.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>

Calibration Settings at Specified Rate				
Spreader	2.9# /1,000 FT ²	3.8# /1,000 FT ²	5.8# /1,000 FT ²	7.7# /1,000 FT ²
LebanonTurf	4 1/2	4 3/4	5 1/2	6 1/2
Andersons AccuPro	K	M	P	S
Earthway Rotary	15	16	20	24
Gandy	26	28	32	36
Lely	5 II	6 II	7 II	8 II
Lesco (letter/Numeric)	i/17	J/21	L/24	N/28
PennMulch HVO	L	N	P	S
ProScape SS	L	N	P	S
Spyker	4 1/2	4 3/4	5 1/2	6 1/2
Vicon (all models)	24	26	31	34

These settings were calibrated and field tested. However, age and condition of spreader, speed of operation and evenness of terrain may require slightly different settings for desired coverage.

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.

ACTIVE INGREDIENT:
 dithiopyr: 3,5- pyridinedicarbothioic acid,2-(difluoromethyl)- 4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester..... 0.15%
OTHER INGREDIENTS: 99.85%
TOTAL 100.00%

EPA Reg. No. 62719-504-961 (L) (D)
 EPA Est. No. 961-PA-01:961-IL-01
 Superscript used is first letter of lot number.

This product contains 0.075 pound of the active ingredient dithiopyr per 50 pound bag.
 Dimension is a registered trademark of The Dow Chemical Company.

In the state of New York, this product may be applied only by commercial applicators at a minimum of 127 lb (0.19 lb active ingredient) per application and no more than 333 lb (0.5 lb active ingredient) per acre (7.7 lb per 1000 sq ft) per year. Use of this product in Nassau and Suffolk counties of New York is prohibited.

**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, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Hot Line Number: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 888-208-1368 day or night, for emergency treatment information.

**PRECAUTIONARY STATEMENTS
 HAZARDS TO HUMANS AND DOMESTIC ANIMALS
 CAUTION**

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

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 888-208-1368.
 Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

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.



Distributed by:
Lebanon Seaboard Corporation
 1600 E. Cumberland St. • Lebanon, PA 17042
 800-233-0628 • (717) 273-1685

NET WT. 50 LBS. (22.7 KG.)

FERTILIZER with
Dimension® 0.15% FG
 Turf and Ornamental Herbicide

17-0-0

GROUP 3 HERBICIDE



CONTAINS **SCU**

GUARANTEED ANALYSIS

Total Nitrogen (N) 17.0%
 17.0% Urea Nitrogen*
 Sulfur (S) 1.4%
 1.4% Free Sulfur (S)

Derived From: Urea, Polymer Coated Sulfur Coated Urea.

*4.25% Slowly Available Nitrogen from Sulfur Coated Urea.

Chlorine (Cl) not more than 2.0%



22-40390

F699

A/18

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>

Calibration Settings at Specified Rate

Spreader	2.9# /1,000 FT ²	3.8# /1,000 FT ²	5.8# /1,000 FT ²	7.7# / 1,000 FT ²
LebanonTurf	4½	4¾	5½	6½
Andersons AccuPro	K	M	P	S
Earthway Rotary	15	16	20	24
Gandy	26	28	32	36
Lely	5 II	6 II	7 II	8 II
Lesco (letter/Numeric)	i/17	J/21	L/24	N/28
PennMulch HVO	L	N	P	S
ProScape SS	L	N	P	S
Spyker	4½	4¾	5½	6½
Vicon (all models)	24	26	31	34

These settings were calibrated and field tested. However, age and condition of spreader, speed of operation and evenness of terrain may require slightly different settings for desired coverage.

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.

ACTIVE INGREDIENT:

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

EPA Reg. No. 62719-504-961

(L) (D)

EPA Est. No. 961-PA-01:961-IL-01

OTHER INGREDIENTS: 99.85%

Superscript used is first letter of lot number.

TOTAL 100.00%

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

Dimension is a registered trademark of The Dow Chemical Company.

- 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 127 lb (0.19 lb active ingredient) per application and no more than 333 lb (0.5 lb active ingredient) per acre (7.7 lb per 1000 sq ft) per year. Use of this product in Nassau and Suffolk counties of New York is prohibited.

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FIRST AID

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If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Hot Line Number: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 888-208-1368 day or night, for emergency treatment information.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes Eye Irritation • Harmful If Inhaled

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

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.

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In case of emergency endangering health or the environment involving this product, call 888-208-1368.

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

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.



Distributed by:

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800-233-0628 • (717) 273-1685

Use Directions for Turf

Dimension® 0.15% 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.

- Florida Applications: Do not exceed 6 applications per year on bermudagrass in the south Do not apply more than 333 lb (0.5 lb active ingredient) per acre (7.7 lb per 1000 sq ft) per application or more than 1000 lb (1.5 lb active ingredient) per acre (23.1 lb per 1000 sq ft) per year if using split or sequential applications.

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 †	Agrostis palustris	bahiagrass	Paspalum notatum
bluegrass, Kentucky	Poa pratensis	bermudagrass	Cynodon dactylon
fescue, fine ††	Festuca rubra	buffalograss †††	Buchloe dactyloides
fescue, tall	Festuca arundinacea	carpetgrass	Axonopus affinis
ryegrass, perennial	Lolium perenne	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*).

†† Use of this product on certain varieties of fine fescue may result in undesirable turf injury. The following fine fescue varieties have been found to be sensitive to this product: 'atlanta', 'banner', 'beauty', 'bilgart', 'CF-2', 'enjoy', 'HF-93', 'highlight', 'ivalo', 'Jamestown', 'koket', 'majenta', 'mary', 'pennlawn', 'tamara', 'tatjana', 'waldorf', and 'wWaldina'. 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 7.7 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)

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

Control of Crabgrass

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

† Split applications may be made 5 - 10 weeks apart.

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

Fall Applications.

This product can also be applied in the late summer through early fall (late August through November) at use rates listed in Table 1 for "Program 3" to provide control of crabgrass 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		Broadleaf Weeds	
barley	Hordeum spp.	bittercress †	Cardamine spp.
barnyardgrass	Echinochloa crus-galli	carpetweed	Mollugo verticillata
bluegrass, annual	Poa annua	chickweed †	Stellaria spp.
brome	Bromus spp.	geranium, Carolina †	Geranium carolinianum
crabgrass, large	Digitaria sanguinalis	henbit	Lamium spp.
crabgrass, smooth	Digitaria ischaemum	knotweed, prostrate	Polygonum aviculare
crabgrass, Southern	Digitaria ciliaris	lespedeza, common †	Lespedeza striata
crowfootgrass †	Dactyloctenium aegyptium	marestail	Conyza canadensis
dallisgrass (seedling)	Paspalum dilatatum	medic, black	Medicago lupulina
goosegrass	Eleusine indica	mustard	Brassica spp.
foxtail, green	Setaria verdi	oxalis, buttercup	Oxalis pes-caprae
foxtail, yellow	Setaria faberi	pineappleweed †	Matricaria matricarioides
kikyugrass †	Pennisetum clandestinum	pigweed, redroot	Amaranthus retroflexus
oats, wild	Avena fatua	parsley-piert †	Alchemilla arvensis
ryegrass (annual & perennial)	Lolium spp.	purslane, common	Portulaca oleracea
sandbur	Cenchrus spp.	rocket, London	Sisymbrium irio
smutgrass	Sporobolus indicus	shepherdspurse	Capsella bursa-pastoris
		speedwell, corn †	Veronica arvensis
		spurge, garden	Euphorbia hirta
		spurge, prostrate	Euphorbia humistrata
		spurge, spotted	Euphorbia maculata
		woodsorrel, creeping	Oxalis corniculata
		woodsorrel, yellow	Oxalis stricta

† Suppression only

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.

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

Check equipment frequently to verify calibration and proper functioning.

Use Directions for Landscape Ornamentals

Dimension 0.15% FG provides preemergence control or suppression of listed annual grass and broadleaf weeds in plantings of ornamental plants listed on this label. This product may be applied in ornamental gardens, parks, golf courses and residential areas where ornamental plants are grown for aesthetic purposes. Apply this product with a properly calibrated spreader that will provide uniform particle distribution. Follow instructions in the "Application Instructions and Equipment" section above.

Use Rates

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

Pounds of Product/Acre	Pounds of Product/1000 sq ft	Pounds of Product/100 sq ft †
333	7.7	0.77 (12.3 oz)

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

Maximum Use Rates

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

Application Timing and Recommendations

Dimension 0.15% 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 weed 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 wet 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 0.15% 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, and 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	Common Name	Botanical Name	Tolerant Cultivars
abelia, dwarf	Abelia X grandiflora	nana			blue rug
ajuga	Ajuga reptans	bronze		Juniperus horizontalis	blue star
	Ajuga genevensis	bronze beauty			broadmoor
almond, flowering	Prunus glandulosa				buffalo
apple †	Malus pumila				Calgary carpet
arborvitae	Thuja occidentalis	nigra			emerald sea
		pyramidalis			emerald spreader
		smaragh			endoro compacta
		techny			fruitlandi
		woodwardii			green
arborvitae, golden	Thuja orientalis				gold tip
aster, Chinese	Callistephus chinensis	dwarf queen			hetzi
ash, green	Fraxinus pennsylvanica				hughes
ash, mountain	Sorbus aucuparia				Manhattan blue
ash, purple	Fraxinus americana				parsoni
azalea	Rhododendron spp.	brilliant			pfizeriana
		buccaneer			plumosa
		carror			prince of Wales
		chimes (belgian)			procumbens dwarf
		elsie lee			San Jose
		exbury			sargent blue
		fashion			sargent green
		hardjizer beauty			scandia
		hershey red			scopolorum moon glow
		higasa			scopolorum skyrocket
		hinocrimson			spartan
		holland (hybrid)			
		marion lee			Juniperus chinensis
		northern lights			Juniperus sabina
		orange cup			
		orchid lights			tamariscifolia
		snow			weberi
		southern charm			youngstown
azalea, flame	Rhododendron calendulaceum				yukon belle
azalea, kirishima			king palm	Archontophoenix cunninghamiana	
bamboo, heavenly			laurel, Australian	Pittosporum tobira	
barberry	Berberis thunbergii	aurea	laurel, mountain	Kalmia latifolia	
		dwarf pigmy	leucothoe	Leucothoe fontanesiana	
		green	ligustrum, Japanese	Ligustrum japonicum	
		kobold	lily, African	Agapanthus africanus	albus
		pygmy red			Peter Pan
		rose glow			
		atropurpurea			
barberry, purple			lily, African blue		
basket flower	Gaillardia grandiflora		lily of the valley	Pieris japonica	Mt. Fire
bearberry (common)	Arctostaphylos uva-ursi	Massachusetts	lilyturf	Liriope muscari	evergreen giant
bee balm	Monarda didyma				lilac beauty
begonia	Begonia spp.				majestic
birch, river	Betula nigra				monroe white
blackeyed Susan	Rudbeckia hirta	goldstrum			variegata
blanket flower	Gaillardia spp.		liriope, green	Liriope spicata	
blueberry †	Vaccinium spp.	bluecrop	maple, Japanese	Acer japonicum	
		blue jay	maple, Norway	Acer platanoides	
		jersey	maple, red †	Acer rubrum	
		north blue	maple, silver	Acer saccharinum	
		northland	maple sugar †	Acer saccharum	
bottlebrush	Callistemon citrinus		marigold	Tagetes patula	honeycomb
boxwood, Japanese		japonica			variegata
boxwood, weller	Buxus sempervirens		mock orange †	Philadelphus spp	wheeleris dwarf
broom	Cytisus spp.	moonlight	mondo grass	Ophiopogon japonicus	golden
	Genista pilosa	Vancouver gold	moss rose	Portulaca grandiflora	snowflake double white
bugle carpet			myrtle, crape	Lagerstroemia indica	
camellia	Camellia japonica	debutante			taurei
		mathotiana supreme	myrtle, wax	Myrica cerifera	langer
		chansonette	nandina	Nandina domestica	muskogee
	Camellia sasanqua				standard pink
candy tuft	Iberis spp.	snow white	narcissus	Narcissus spp.	
carex, variegated	Carex		oak, laurel	Quercus laurifolia	
cedar, red	Juniperus virginiana		oak, pin	Quercus palustris	
celosia	Celosia spp.		oak, red	Quercus rubra	
centaurea	Centaurea montana		oak, southern	Quercus virginiana	
cockscomb, plumosa	Celosia cristata	scarlet plumosa	oak, willow	Quercus phellos	
coleus	Coleus blumei	red kewpie	oleander	Nerium oleander	hardy red
columbine	Agulegia spp.				petite pink
copper leaf	Acalypha wilkesiana		osteospermum	Osteospermum fruticosum	Sister Agnes
coreopsis	Coreopsis spp.	moonbeam	pachysandra	Pachysandra terminalis	wirligig
corn flower	Centaurea spp.		palm, bangalow		
cotoneaster	Cotoneaster apiculatus		pampas grass	Cortaderia selloana	
coyotebrush	Baccharis pilularis		pansy	Viola x witrockiana	
cycads	Cycads revoluta		paper flower	Bougainvillea glabra	Barbara karst
cypress, bald	Taxodium distichum		peach †	Prunus persica	
cypress, Italian	Cupressus sempervirens	glauca	periwinkle, dwarf	Vinca minor	

cypress, blue	Taxodium distichum		periwinkle, dwarf	Vinca minor	
cypress, Italian	Cupressus sempervirens	glauca	petunia	Petunia X hybrida	picoti
cypress, Japanese false	Chamaecyparis obtusa	gracilis	photinia, red tip	Photinia X fraseri	
cypress, leyland	Cupressocyparis leylandii		peris	Pieris japonica	
daffodil	Narcissus spp.	King Alfred	pine, Australian	Pinus nigra	
daylily	Hemerocallis spp.	aztec gold bright yellow (hybrid) single gold (evergreen) wilsonis yellow	pine, Japanese black	Pinus thunbergiana	
			pine, lobloly	Pinus taeda	
dianthus (sweet william)	Dianthus spp.		pine, longleaf	Pinus palustris	
delphinium	Delphinium spp.	magic fountain	pine, mugo	Pinus mugo	
dogwood	Cornus florida		pine, Scotch	Pinus sylvestris	
dogwood, American	Cornus sericea	flavirimaea	pine, slash	Pinus elliottii	
douglas fir	Pseudotsuga menziesii		pine, Swiss mt.	Pinus mugo	
dusty miller	Senecio cineraria		pine, Virginia	Pinus virginiana	
elm, drake	Ulmus parvifolia		pine, white	Pinus strobus	
euonymus	Euonymus fortunei	argenteo-variegata auereo-marginata colorata emerald gaiety emerald en gold gold edge gold princess silver king tricolor vegetus	pineapple, guava †	Fejfoa sellowiana	
			peris	Pieris taiwanensis	
			pitiosporum, Japan		
			potentilla	Potentilla nepalensis Potentilla fruticosa	abbotswood
			privet	Ligustrum japonicum	golden vicary regal texanum wax yellow tipped
			privet, glossy	Ligustrum lucidum	
fan palm, European	Chamaerops humilis		pyracantha	Pyracantha koidzumii	gnome lalandai victory
fan palm, Mexican	Washingtonia robusta				
fem (various)	Asparagus spp.		queen palm	Arecastrum rammanzoffianum	
fescue	Festuca glauca		quince, Japanese †		
fetterbush	Leucothoe fontanesiana	rainbow	rhododendron	Rhododendron spp	album Cunningham white fashion hardy pjm purple gem silvery pink
figus	Ficus retusa	nitida			
fir fraser	Abies fraseri				
forsythia	Forsythia X intermedia	Arnold dwarf bronxensis dwarf lynwood gold meadowlark weeping			
	Spring Glory				
fuchsia	Fuchsia spp.		rhododendron, carolina	Rhododendron carolinianum	
galium	Galium odoratum		rhododendron, catawba	Rhododendron catawbiense	
gardenia	Gardenia jasminoides	mystery radicans	rockcress	Arabis spp.	snowcap
geranium	Pelargonium X hortorum		rhodie max (rosebay)	Rhododendron maximum	
gum	Eucalyptus citriodora		rose †	Rosa banksiae	luta
			rosemary †	Rosmarinus officinalis	
hawthorn	Crataegus spp.	cockspur white crimson cloud enchantress Jack Evans Washington white	rosemary, bog	Andromeda polifolia	nana
			salvia	Salvia farinacea	rhea
			sedum	Sedum spurium	dragon blood red red carpet yellow
heather, twisted	Erica cinerea	Mediterranean pink	snapdragon	Antirrhinum spp.	
hemlock, Canada	Tsuga canadensis		sourwood	Oxydendrum arboreum	
hibiscus	Hibiscus spp.	blue bird brilliant hula girl	spiraea	Astilbe X arendsii	fanall
			spiraea	Spiraea spp.	Anthony waterer red dolchica froebell pink goldenflame red snowmound white Van Houtte white
holly	Ilex spp.	blue boy blue girl burfodii china girl compacta forsteri hellerie Japanese northern beauty needlepoint Nellie R. Stevens Savannah	spiraea, garland	Spiraea spp.	
	Ilex X meserveae		spruce, black hills	Picea glauca	
			spruce, Colorado blue	Picea pungens	
			spruce, norway	Picea abies	
			spruce, white	Picea glauca	conica
	Ilex X attenuata		sweetflag, grassyy-le		
holly, Chinese	Ilex cornuta		sweetgum	Liquidambar styraciflua	
holly, Japanese	Ilex crenata		sycamore	Platanus occidentalis	
holly, yaupon	Ilex vomitoria		tree fern (tiki fern)	Asparagus virgatus	
honeysuckle	Lonicera japonica	claveyis dwarf halliana tatarian Canadian white zebelli red hosta	trumpet flower, evening	Gelsemium sempervirens	
		albo marginata	tulip	Tulip, spp	apeldoorn
hosta	Hosta spp. Hosta lancifolia		verbena, shrub	Lantana sellowiana	
ice plant	Carpobrotus edulis		vervain	Verbena spp.	St. Paul
impatiens	Impatiens spp.		viburnum	Viburnum spp.	American cranberry bush arrowood common snowball European cranberry bush linden Mohican Wright
iris	Iris spp.	dwarf blue wedgewood			
ivy, English	Hedera helix	bulgaria thorndale	vinca (periwinkle)	Vinca minor	
jasmine, Asian	Trachelospermum asiaticum		windmill palm	Trachycarpus fortunei	
juniper	Juniperus spp.	arcadia armstrong bar harbor	xylosma	Xylosma congestum	
	Juniperus horizontalis	blue chip blue pacific	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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