



Dimension® 0.15% Plus Fertilizer 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.

This bag covers 13,150 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 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.

Active ingredient dithiopyr, 3,5-bis(trifluoromethyl)carbamoyl-4-(2-methylpropyl)-6-(trifluoromethyl)-5,5-dimethyl ester	0.15%
Other ingredients	99.85%
Total	100.00%

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

Keep Out of Reach of Children CAUTION

EPA EST. NO. 41124-W-1 (Lot begins W)	EPA Reg. No. 62719-504-34704	EPA EST. NO. 82757-AM-2 (Lot begins H)
EPA EST. NO. 93243-CT-1 (Lot begins CT)	EPA EST. NO. 75527-PA-12 (Lot begins FS)	EPA EST. NO. 82757-OH-1 (Lot begins MF)
EPA EST. NO. 92091-CAN-001 (Lot begins CN)	EPA EST. NO. 41124-OH-1 (Lot begins O)	EPA EST. NO. 35812-FL-2 (Lot ends GF)
*If lot begins *ON, MADE IN CANADA	EPA EST. NO. 82745-CAN-001 (Lot begins C)	EPA EST. NO. 60759-OR-2 (Lot begins MAS)
	*If lot begins *CI, MADE IN CANADA	

Net Weight 50 LBS. (22.68 Kg) I2116

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 or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

First Aid

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, 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.

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.

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

This product 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.

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	
kentgrass, creeping [†]	<i>Agrostis palustris</i>	bahiagrass
bluegrass, Kentucky	<i>Poa pratensis</i>	bermudagrass
fescue, fine ^{††}	<i>Festuca rubra</i>	buffalograss ^{†††}
fescue, tall	<i>Festuca arundinacea</i>	carpetgrass
ryegrass, perennial	<i>Lolium perenne</i>	centipedeagrass
		kikuyagrass
		St. Augustinegrass
		zoysiagrass
		<i>Paspalum notatum</i>
		<i>Cynodon dactylon</i>
		<i>Buchloe dactyloides</i>
		<i>Axonopus affinis</i>
		<i>Eremochloa ophiuroides</i>
		<i>Pennisetum clandestinum</i>
		<i>Stenotaphrum secundatum</i>
		<i>Zoysia japonica</i>

[†] Use of this product on certain varieties of creeping kentgrass, such as 'lockhorse', 'carmen', 'seaside', and 'Washington' may result in undesirable turfgrass injury. Not all varieties of creeping kentgrass 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: 'alant', 'kanner', 'beauty', 'ligard', 'CF-2', 'enjoy', 'HF-93', 'highlight', 'ivalo', 'lamestown', 'kokoi', 'majesta', 'mary', 'pennlaw', 'tamara', 'tatjana', 'waldorf', and 'waldina'. Not all varieties of fine fescue have been tested.

^{†††} Do not use this product on seeding 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 (silt 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-aeration, 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 out 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. Excessive 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.

34-0-6

GUARANTEED ANALYSIS

Total Nitrogen (N)	34.00%
34.00% Urea Nitrogen*	
Soluble Potash (K ₂ O)	6.00%

DERIVED FROM: Polymer Coated Urea and Muriate of Potash

*32.00% Slowly Available Urea Nitrogen from Polymer Coated Urea

Information regarding the contents and levels of metals in this product is available at the following website:
<http://www.aapfco.org/metals.htm>.

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 Mellich 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/gfimp07.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.

Product No. 1000257651 F1548

Calibration Settings at Specified Rate

Rate	lbs. Product per 1,000 sq ft				
Low	3.80				
Medium	5.80				
High	7.70				
Spreader Setting	Bigfoot	Earthway	Lesco Rotary	AccuPro 2000	
Low	L	16	J	N	
Medium	N	17	K	O	
High	P	18	L	P	



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P.O. BOX 1286, GREELEY, CO 80632-1286

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 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.
- 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 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 Rate	Program		
		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
Transition: DE, KS, KY, MO, NJ, VA, southeastern PA, southern areas of IL, IN, OH, & coastal areas of CT, & RI	lb/acre	0.19	0.25	0.38
	lb/1000 sq ft	167	253	333
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/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/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/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	<i>Hordeum</i> spp.	goosegrass	<i>Elyusine indica</i>
lamyragrass	<i>Echinochloa crus-galli</i>	foxtail, green	<i>Setaria verti</i>
bluegrass, annual	<i>Poa annua</i>	foxtail, yellow	<i>Setaria faberi</i>
brome	<i>Bromus</i> spp.	kikuyugrass †	<i>Pennisetum clandestinum</i>
crabgrass, large	<i>Digitaria sanguinalis</i>	oats, wild	<i>Avena fatua</i>
crabgrass, smooth	<i>Digitaria ischaemum</i>	ryegrass (annual & perennial)	<i>Lolium</i> spp.
crabgrass, southern	<i>Digitaria ciliaris</i>	sandbur	<i>Cenchrus</i> spp.
crowfootgrass †	<i>Dactyloctenium aegyptium</i>	smartgrass	<i>Sporobolus indicus</i>
hallsgrass (seedling)	<i>Paspalum dilatatum</i>		
Broadleaf Weeds			
kittercross †	<i>Cardamine</i> spp.	pigweed, redroot	<i>Amaranthus retroflexus</i>
carpetweed	<i>Mollugo verticillata</i>	parsley-piert †	<i>Alochemilla arvensis</i>
chickweed †	<i>Stellaria</i> spp.	purslane, common	<i>Portulaca oleracea</i>
geranium, Carolina †	<i>Geranium carolinianum</i>	rocket, London	<i>Sisymbrium irio</i>
henbit	<i>Lamium</i> spp.	shepherdspurse	<i>Capsella bursa-pastoris</i>
knockweed, prostrate	<i>Polygonum aviculare</i>	speedwell, corn †	<i>Averonia arvensis</i>
lespedeza, common †	<i>Lespedeza striata</i>	spurge, garden	<i>Euphorbia hirta</i>
marehail	<i>Coryza canadensis</i>	spurge, prostrate	<i>Euphorbia humistrata</i>
medic, black	<i>Medicago lupulina</i>	spurge, spotted	<i>Euphorbia maculata</i>
mustard	<i>Brassica</i> spp.	woodsorel, creeping	<i>Oxalis corniculata</i>
oxalis, kittercup	<i>Oxalis pes-caprae</i>	woodsorel, yellow	<i>Oxalis stricta</i>
pineappleweed †	<i>Matricaria matricanoides</i>		

[†] 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	<i>Poa annua</i>	geranium, Carolina	<i>Geranium carolinianum</i>
kittercross	<i>Cardamine</i> spp.	parsley-piert	<i>Alochemilla arvensis</i>
chickweed	<i>Stellaria</i> spp.	pineappleweed	<i>Matricaria matricanoides</i>
henbit	<i>Lamium</i> spp.	shepherdspurse	<i>Capsella bursa-pastoris</i>

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

This product 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 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.
- 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

This product 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, this product 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	<i>Abelia X grandiflora</i>	nana
ajuga	<i>Ajuga reptans</i>	bronze
	<i>Ajuga genevensis</i>	bronze beauty
almond, flowering	<i>Prunus glandulosa</i>	
apple 1	<i>Malus pumila</i>	
arbutifolia	<i>Thuja occidentalis</i>	nigra, pyramidalis, smaragh, techny, woodwardii
arbutifolia, golden	<i>Thuja orientalis</i>	
aster, Chinese	<i>Callistephus chinensis</i>	dwarf queen
ash, green	<i>Fraxinus pennsylvanica</i>	
ash, mountain	<i>Sorbus aucuparia</i>	
ash, purple	<i>Fraxinus americana</i>	
azalea	Rhododendron spp.	brilliant, buccanera, caror, chimes (beigian), etie lee, exbury, fashion, hardjzer beauty, hershey red, higasa, hinochimon, holland (hybrid), marion lee, northern lights, orange cup, orchid lights, snow, southern charm
azalea, flame	Rhododendron calendulaeum	
azalea, kinshima		
bamboo, heavenly		