53883-211

03-08-2010



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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Ms Amy Warren Control Solutions, Inc 5903 Genoa-Red Bluff Pasadena, TX 77507-1041

MAR 8 2010

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated January 26, 2010 for:

#### EPA Registration 53883-211

Dithiopyr 0.06% Plus Fertilizer

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on <u>nonrefillable</u> containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

Linda Arrington Notifications & Minor Formulations Team Leader Registration Division (7505P) Office of Pesticide Programs

· · Please read instructions on reverse before comp	letina form.		Form Ann	roved, OMB No. :	2070-0066	2 1 X 0. Approval expires 2-28-95
	United States			Registra Amendr ✓ Other	tion	OPP Identifier Number
	Applicatio	n for Pestici	de - Sect	tion I		
1. Company/Product Number 53883 - 211		1	Product Mana e Miller	ager	3. Pro	oposed Classification
4. Company/Product (Name) Dithiopyr 0.06% Plus Fertilizer		PM#	23			
5. Name and Address of Applicant (Include ZIP (	Code)	6. Exp	edited Rev	eiw. In accorda	nce with	FIFRA Section 3(c)(3)
Control Solutions, Inc. 5903 Genoa-Red Bluff Pasadena, TX 77507-1041		to: EPA I	Reg. No		<u>,</u> ,	mposition and labeling
Check if this is a new address						
		Section -	11			
Amendment - Explain below. Resubmission in response to Agency lette Notification - Explain below.	er dated		Final printed Agency lett "Me Too" A Other - Expl	Application.		<b>CATION</b> - 2010
Explanation: Use additional page(s) if necessary Notification of label change per PR Notice 2007-4. regulations at 40 CFR §§ 156.10, 156.140, 156.14 Formula for this product. I understand that it is a v amended label is not consistent with the requirement FIFRA and I may be subject to enforcement action	This notification i 4, 156.146, and 1 iolation of 18 U.S. ents of 40 CFR §§	is consistent with th 56.156. No other of .C. Sec. 1001 to wi 156.10, 156.140,	hanges have Ilfully make an 156.144, 156.1	been made to the la by false statement to 146, and 156.156, th	beling or th EPA, 1 fui	he Confidential Statement of rther understand that if the
		Section - I	11			
1. Material This Product Will Be Packaged In:		- <u>r</u>				
Child-Resistant Packaging Unit Packaging ↓ Yes ↓ Yes ↓ No		Water Soluble F	ackaging	2. Type of	Metal Plastic Glass	
<i>"Prtification must Unit Packaging wg Jubmitted</i>	No.per t. container	lf "Yes" Package wgt	No. per conteiner		Paper   Other (S	Specify)
3. Location of Net Contents Information	4. Size(s) Rete	ail Container	4	5. Location of Lab	el Directio	ວກຮ ເເ
Label Container	1 po	und-50 pound ba	ags	on label		υς ( Ο
6. Manner in Which Label is Affixed to Product	Lithogr Paper of Stencil	aph glued ed	Other			δις 
		Section - I	V		ີສິດສິດສະດາສະດາສະດາສະດາ 6 ເ ປີ ປີ	6 6
1. Contact Point <i>(Complete items directly below</i>	for identification	n of individual to b	e contacted,	if necessary, to pr	ocess <sub>c</sub> this	application.9
Name Amy Warren		Title Regulatory Affair	s Specialist			e No. (Inĉlude Area Code) 5562ີ ເເເເັດ
l certify that the statements I have made o I acknowledge that any knowlinglly false o both under epplicable law.		all attachments th		-	•	6. Data Application Received (Stamped)
2. Signature	-	8. Title Regulatory Affairs	Specialist			
4. Typed Name Amy Warren	5	5. Date 1-2	6-10			

Yellow - Applicant Copy



January 26, 2010

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Document Processing Desk (NOTIF) Office of Pesticide Programs (7504P) U.S. Environmental Protection Agency Room S-4900, One Potomac Yard 2777 S. Crystal Drive Arlington, VA 22202-4501

#### Re: Notification per (PR) Notice 2007-4, Labeling Revisions required by the Final Rule "Pesticide Management and Disposal" Dithiopyr 0.06% Plus Fertilizer (EPA Reg. No. 53883-211)

Dear Sir or Madam:

Enclosed is a Notification for (PR) 2007-4; See highlighted text on attached labeling.

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for 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 the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, 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.

If you have any questions or need additional information, please feel free to contact me.

Sincerely,

Amy Warren Regulatory Affairs Specialist Control Solutions, Inc.

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NOTIFICATION

MAR 8 - 2010

# Dithiopyr 0.06% Plus Fertilizer

## **Turf and Ornamental Herbicide**

For Season-Long Control of Crabgrass and Control or Suppression of Listed Annual Grasses and Broadleaf Weeds in Established Lawns and Ornamental Turf, including Golf Course Fairways, Roughs and Tee Boxes, and in Established Landscape Ornamentals.

> 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 19.1 lbs. per 1,000 square feet (0.5 pounds AI per acre) per year. Not for use in Nassau or Suffolk Counties.

#### Active Ingredient:

Dithiopyr: S,S'-dimethyl 2-(difluoromethyl)-4-(2-methylpropyl)-6-	
(trifluoromethyl)-3,5-pyridinedicarbothioate	0.06%
Inert Ingredients:	<u>99.94%</u>
TOTAL	. 100.00%

EPA REG NO. 53883-211

#### EPA EST. NO. XXXXX-XXX-XXX

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#### Net Weight:

Control Solutions, Inc. 5903 Genoa-Red Bluff Rd. Pasadena, TX 77507-1041

Guaranteed Fertilizer Analysis: XX-XX-XX

## **KEEP OUT OF REACH OF CHILDREN** CAUTION

See [back] [side] [other] panel for further precautions and First Aid information

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if inhaled. Causes moderate eye irritation. Avoid breathing dust. Remove and wash contaminated clothing before reuse. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shirt and long pants, sock, shoes and chemical-resistant gloves such as natural rubber. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

	FIRST AID
IF IN EYES:	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF ON SKIN OR	Take off contaminated clothing.
CLOTHING:	Rinse skin immediately with plenty of water for 15-20 minutes.
	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF SWALLOWED:	<ul> <li>Call a poison control center or physician immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or physician.</li> </ul>
	Do not give anything by mouth to an unconscious person.
IF INHALED:	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, is possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
	HOT LINE NUMBER
Have the product cor	ntainer or label with you when calling a poison control center or doctor, or going fo

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.

## **ENVIRONMENTAL HAZARDS**

This pesticide 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. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

## **DIRECTIONS FOR USE**

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

## **GENERAL INFORMATION**

Dithiopyr 0.06% Plus Fertilizer provides season-long control of crabgrass and control or suppressible of control of crabgrass and broadleaf weeds in established lawns and ornamental turf, including golf course fairways, roughs and tee boxes, and in established landscape ornamentals. This product also provides postemergent crabgrass control up to the 4-leaf stage.

SPREADER SETTINGS to apply at the listed pounds per 1,000 square feet

(to be furnished at printing)

## FOR USE ON TURF

Dithiopyr 0.06% Plus Fertilizer provides season-long control of crabgrass and control or suppression of other annual grasses and broadleaf weeds in established lawns and ornamental turf, including golf course fairways, roughs and tee boxes. Dithiopyr 0.06% Plus Fertilizer will not harm nearby established ornamentals identified on this label as "Tolerant Ornamentals" when used according to label directions.

Apply this product only to seeded, sodded, or sprigged lawns and ornamental turf that is well established. Before the use of Dithiopyr 0.06% Plus Fertilizer, the grass must have a developed root system and a uniform stand. Following seeding, sodding or sprigging, the turf must be mowed at least two times. Injury may result if the turf is not well established, or stressed by weather, pests, disease, chemical or other related conditions.

Dithiopyr 0.06% Plus Fertilizer may be applied to established turfgrass species listed on this label. When applied as directed, the following turfgrass species are tolerant to this product:

COOL-SEASON GRASSES	USE PRECAUTIONS
Creeping Bentgrass <sup>1</sup> (Agrostis palustris), Kentucky Bluegrass (Poa pratensis), Fine Fescue <sup>2</sup> (Festuca rubra), Tall Fescue (Festuca arundinacea), Perennial Ryegrass (Lolium perenne),	<sup>1</sup> Turfgrass injury may result from the use of this product on certain varieties of creeping bentgrass such as Cohansey, Carmen, Seaside and Washington. Not all varieties of creeping bentgrass have been testes. Do not apply this product to Colonial Bentgrass ( <i>Agrostis tenuis</i> ) varieties.
	<sup>2</sup> Turfgrass injury may result from use of this product on the following varieties of Fescue such as Atlanta, Banner, Beauty, Bilgart, CF-2, Enjoy, HF-93, Highlight, Ivalo, Koket, Jamestown, Majenta, Mary, Pennilawn, Tamara, Tatiana, Walfort and Waldina. Not all varieties of fescue have been tested.
WARM-SEASON GRASSES	
Bahiagrass (Paspalum notatum), Bermudagrass (Cynodon dactylon), Buffalograss <sup>3</sup> (Buchloe dactyloides), Carpetgrass (Axonopus compressus), Centipedegrass (Eremochloa ophiuroides), Kikuyugrass (Pennisetem clandestinum), St. Augustinegrass (Stenotaphrum	<sup>3</sup> 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.
secundatum), Zousiagrass (Zoysia japonica)	

**NOTE:** It is not possible to evaluate all turfgrass varieties for tolerance to this product.<sup>c</sup> It is suggested is that the user evaluate the response to turfgrass varieties not listed on this label on a limited area, at recommended use rates, prior to initiating large-scale use.

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#### **RESEEDING, OVERSEEDING OR SPRIGGING**

Reseeding, overseeding, or sprigging of treated areas within 10 weeks after single application or within 16 weeks after a split application program may inhibit the establishment of desirable turfgrasses. What reseeding or overseeding, follow good cultural practices such as soil cultivation, irrigation and fertilization. For best results, use mechanical or power seeding equipment (slit seeders) for good seed-to-soil contact.

## **USE RESTRICTIONS**

- Do not apply more than 19.1 lbs./1,000 sq. ft. (0.5 Lbs. Al/acre) per application.
- Do not apply more than 57.3 lbs./1,000 sq. ft. (1.5 lbs. Al/acre) per year.

• In New York, do not apply more than 19.1 lbs. /1,000 sq. ft. per year; and is prohibited from use in Nassau and Suffolk Counties.

• Do not use clippings from treated turf for animal feed or for mulching around vegetables or fruit trees.

- Do not allow domestic animals to feed or forage on treated turf.
- Keep people and pets off treated areas until dust has settled.
- Do not use on golf course putting greens.

#### **CRABGRASS CONTROL**

Dithiopyr 0.06% Plus Fertilizer provides pre-emergence control of crabgrass (large, smooth, and southern species) when applied prior to emergence of crabgrass from the ground. Dithiopyr 0.06% Plus Fertilizer provides "early post-emergence" control during the early stages of growth after crabgrass emerges from the ground. This early post-emergence control is limited and applications are only effective if applied before the crabgrass has its 3-leaf stage or first tiller (which usually is about the time when you can first see the crabgrass in the lawn). With this post-emergence activity, the applicator has 2 to 4 weeks longer to make applications for control of crabgrass.

#### **APPLICATION INSTRUCTIONS**

For best results, apply Dithiopyr 0.06% Plus Fertilizer within a few days after mowing and delay mowing again for a few days after application. Rainfall or irrigation activates the product. Improved weed control will result if the application is followed by ½ inch of rainfall or sprinkler irrigation. Weed control may be hampered if rainfall or irrigation does not occur with 30 days after application. Split, or half rate applications spaced 5 to 10 weeks apart may also enhance weed control. Cultural practices such as aerification and de-thatching should be completed and the turf allowed to recover before application of this product.

#### **APPLICATION TIMING**

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

**SPRING APPLICATIONS:** For single applications in the spring or early summer, follow the appropriate rate listed in "TABLE 1: APPLICATION RATES FOR CRABGRASS CONTROL" below. Rates are based on the location to be used (Region), the mowing height of the turfgrass, and if the timing of the application is considered preemergence or postemergence. The length of residual weed control is dependent on the total rate applied, but may vary depending on weather, weed pressure and location.

Program 1: For preemergence control to turf mowed relatively high, such as home lawns, this program will provide 3 to 5 months of preemergence crabgrass control. Do not use this program for early postemergence control of crabgrass.

Program 2: For preemergence control at sites where the turf is mowed relatively low, such as golf course fairways, and where turfgrass maintenance and weed control applications were not made the previous year. This program will provide 4 to 6 months of preemergence crabgrass control and may also be used for early postemergence control of crabgrass.

Program 3: For preemergence control at locations where turf is mowed relatively low, such as golf course fairways, and where turfgrass maintenance and weed control applications were not made the previous year. This program will provide 4 to 6 months of preemergence crabgrass control and may also be used for early postemergence control of crabgrass at locations where the turf is cut relatively low.

**FALL APPLICATIONS:** Dithiopyr 0.06% Plus Fertilizer may be applied in late summer or early fall (late August through November). Follow the instructions for "Program 3" for crabgrass control through the

early part of the next spring. Fall applications may be followed by an appropriate spring application to provide season-long control.

[Optional Language:

#### TURF GRASS REGIONS

Insert map showing regions for crabgrass control as noted in table below]

#### **TABLE 1: APPLICATION RATES FOR CRABGRASS CONTROL**

REGION	PROGRAM 1 Preemergence (high-cut turf)	PROGRAM 2 Preemergence (low-cut turf) Postemergence (high-cut turf)	PROGRAM 3 Preemergence (low-cut turf) Postemergence (low-cut turf)
North (all areas except NY)	7.3 lbs./1,000 sq. ft. (317 lbs./acre or 0.19 lb. Al/acre)	9.6 lbs./1,000 sq. ft. (417 lbs./acre or 0.25 lb. Al/acre)	14.5 lbs./1,000 sq. ft. (633 lbs./acre or 0.38 lb. Al/acre)
Transition (DE, KS, KY, MD, MO, VA, southeastern PA, southern areas of IL, IN, OH, and coastal areas of CT, NY and RI.	9.6 lbs./1,000 sq. ft. (417 lbs./acre or 0.25 lb. Al/acre)	14.5 lbs./1,000 sq. ft. (633 lbs./acre or 0.38 lb. Al/acre)	19.1 lbs./1,000 sq. ft. (833 lbs./acre or 0.5 lb. Al/acre)
South (AL, AR, GA, LA, MS, NC, NM, OK, SC, TN and TX)	14.5 lbs./1,000 sq. ft. (633 lbs./acre or 0.38 lb. Al/acre)	9.6 + 9.6* lbs./1,000 sq. ft. (417 + 417 lbs./acre or 0.25 + 0.25 lb. Al/acre)	11.9 + 11.9* lbs./1,000 sq. ft. (517 + 517 lbs./acre or 0.31 + 0.31 lb. Al/acre)
Coastal South (HI, FL, southern coastal areas of AL, GA, LA, MS, NC, SC, and TX	9.6 + 9.6* lbs./1,000 sq. ft. (417 + 417 lbs./acre or 0.25 + 0.25 lb. Al/acre)	11.9 + 11.9* lbs./1,000 sq. ft. (517 + 51.7 lbs./acre or 0.31 + 0.31 lb. Al/acre)	14.5 + 14.5* lbs./1,000 sq. ft. (633 + 633 lbs./acre or 0.38 + 0.38 lb. Al/acre)
West AZ, CA, & NV. In this climatically diverse region, use the higher rates in local areas with longer crabgrass seasons.	7.3 + 9.6* lbs./1,000 sq. ft. (317 + 417 lbs./acre or 0.19 + 0.25 lb. Al/acre)	9.6 + 14.5* lbs./1,000 sq. ft. (417 + 633 lbs./acre or 0.25 + 0.38 lb. Al/acre)	9.6 + 9.6* lbs./1,000 sq. ft. (417 + 417 lbs./acre or 0.25 + 0.25 lb. Al/acre)
* Split applications may be ma	de 5-10 weeks apart.		

## 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 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 "Use Restrictions" section above.

## CONTROL OF OTHER GRASS AND BROADLEAF WEEDS

**SPRING APPLICATION:** When used as directed for preemergence (prior to germination) control of crabgrass in the spring, Dithiopyr 0.06% Plus Fertilizer will also control or suppress the following grasses and broadleaf weeds at the application rates listed in Table 1 above:

Common NameBotanical NameBarleyHordeum spp.BarnyardgrassEchinochloa crus-galliBluegrass (annual roughstalk)Poa annuaBromeBromus spp.Crabgrass, largeDigitaria schaemumCrabgrass, smoothDigitaria ischaemumCrabgrass, southernDigitaria ciliarisCrowfootgrass*Dactyloctenium aegyptiumDallisgrass (seedling)Paspalum dilatatumFoxtail (yellow & green)Setaria faberi, Setaria VerdiGoosegrassEleusine indicaKikuyugrass*Pennisetum clandestinumOats, wildAvena fatuaRyegrass (annual & perennial)Lolium spp.SmutgrassSporobolus indicusBittercress*Cardamine spp.CarpetweedMullugo verticillataChickweed*Geranium carolinianumHenbitLamium spp.Knotweed, prostratePolygonum aviculareLespedeza, common*Lespedeza striataMarestaiConyza CanadensisMedic, blackMedicago lupulinaMustardBrassica spp.Oxalis, buttercupOxalis pes-capraeParsley-piert*Alchemilla arvensisPiweaphered*Matricaria matricarioidesPurslane, commonPortulaca oleraceaRocket, LondonSisymbrium irioShepherdspurseCapaella bursa-pastorisSperge, gardenEuphorbia hirtaSpurge, postrateEuphorbia hirtaPiweapherdspurseCapsella bursa-pastorisSpurge, postrateEuphorbia hirta	GRASSES				
Barnyardgrass       Echinochloa crus-galli         Bluegrass (annual roughstalk)       Poa annua         Brome       Bromus spp.         Crabgrass, large       Digitaria sanguinalis         Crabgrass, smooth       Digitaria schaemum         Crabgrass, Southern       Digitaria ciliaris         Dallisgrass (seedling)       Paspalum dilatatum         Foxtail (yellow & green)       Setaria faberi, Setaria Verdi         Goosegrass       Eleusine indica         Kikuyugrass*       Pennisetum clandestinum         Oats, wild       Avena fatua         Ryegrass (annual & perennial)       Lolium spp.         Sandbur       Carchamine spp.         Smutgrass       Sporobolus indicus         Bittercress*       Cardamine spp.         Carpetweed       Mullugo verticillata         Chickweed*       Stellaria spp.         Geranium, Carolina*       Lamium spp.         Henbit       Lamium spp.         Knotweed, prostrate       Polygonum aviculare         Lespedeza, common*       Lespedeza striata         Marestail       Conyza Canadensis         Medicago lupulina       Brassica spp.         Oxalis, buttercup       Oxalis pes-caprae         Parsley-piert*       Alchemilla	The second s	Botanical Name			
Bluegrass (annual roughstalk)       Poa annua         Brome       Bromus spp.         Crabgrass, large       Digitaria sanguinalis         Crabgrass, smooth       Digitaria sichaemum         Crabgrass, Southern       Digitaria ciliaris         Crowfoolgrass*       Dactyloctenium aegyptium         Dallisgrass (seedling)       Paspalum dilatatum         Foxtail (yellow & green)       Setaria faberi, Setaria Verdi         Goosegrass       Eleusine indica         Kikuyugrass*       Pennisetum clandestinum         Oats, wild       Avena fatua         Ryegrass (annual & perennial)       Lolium spp.         Sandbur       Canchrus spp.         Smutgrass       Sporobolus indicus         BROADLEAF WEEDS       BROADLEAF weens         Bittercress*       Cardamine spp.         Carpetweed       Mullugo verticillata         Chickweed*       Geranium carolinianum         Laspedeza, common*       Lespedeza striata         Marestail       Conyza Canadensis         Medic, black       Medicago lupulina         Mustard       Brassica spp.         Oxalis, buttercup       Oxalis pes-caprae         Parsley-piert*       Alchemilla arvensis         Pigweed, redroot       Am					
BromeBromus spp.Crabgrass, largeDigitaria isanguinalisCrabgrass, smoothDigitaria ischaemumCrabgrass, SouthernDigitaria ischaemumDallisgrass (seedling)Paspalum dilatatumFoxtail (yellow & green)Setaria faberi, Setaria VerdiGoosegrassEleusine indicaKikuyugrass*Pennisetum clandestinumOats, wildAvena fatuaRyegrass (annual & perennial)Lolium spp.SandburCenchrus spp.SmutgrassSporobolus indicusBittercress*Cardamine spp.CarpetweedMullugo verticillataChickweed*Stellaria spp.Geranium, Carolina*Geranium carolinianumHenbitLamium spp.Knotweed, prostratePolygonum aviculareLespedeza, common*Lespedeza striataMustardBrassica spp.Oxalis, buttercupOxalis pes-capraeParsley-piert*Alchemilla arvensisPigweed, redrootAmarathus retroflexusPineappleweed*Matricaria matricarioidesPurslane, commonPortulaca oleraceaSpurge, gardenSisymbrium irioShepherdspurseCapsella bursa-pastorisSpurge, spottedEuphorbia hirtaSpurge, spottedEuphorbia hirta<					
Crabgrass, largeDigitaria sanguinalisCrabgrass, smoothDigitaria sichaemumCrabgrass, SouthernDigitaria ciliarisCrowfootgrass*Dactyloctenium aegyptiumDallisgrass (seedling)Paspalum dilatatumFoxtail (yellow & green)Setaria faberi, Setaria VerdiGoosegrassEleusine indicaKikuyugrass*Pennisetum clandestinumOats, wildAvena fatuaRyegrass (annual & perennial)Lolium spp.SandburCenchrus spp.SmutgrassSporobolus indicusBittercress*Cardamine spp.CarpetweedMullugo verticillataChickweed*Stellaria spp.Geranium, Carolina*Geranium carolinianumHenbitLamium spp.Knotweed, prostratePolygonum aviculareLespedeza, common*Lespedeza striataMustardBrassica spp.Oxalis, buttercupOxalis pes-capraeParsley-piert*Alchemilla arvensisPigweed, redrootAmaranthus retrofiexusPineappleweed*Matricaria matricarioidesPurslane, commonPortulaca oleraceaRocket, LondonSisymbrium irioSpeedwell, corn*Veronica arvensisSpurge, gardenEuphorbia hirtaSpurge, spottedEuphorbia hirtaSpurge, spottedCarboria arvensis	Bluegrass (annual roughstalk)	Poa annua			
Crabgrass, smoothDigitaria ischaemumCrabgrass, SouthernDigitaria ciliarisCrowfootgrass*Dactyloctenium aegyptiumDallisgrass (seedling)Paspalum dilatatumFoxtail (yellow & green)Setaria faberi, Setaria VerdiGoosegrassEleusine indicaKikuyugrass*Pennisetum clandestinumOats, wildAvena fatuaRyegrass (annual & perennial)Lolium spp.SandburCenchrus spp.SmutgrassSporobolus indicusBROADLEAF WEEDSBittercress*Cardamine spp.CarpetweedMullugo verticillataChickweed*Stellaria spp.Geranium, Carolina*Geranium carolinianumHenbitLamium spp.Knotweed, prostratePolygonum aviculareLespedeza, common*Lespedeza striataMustardBrassica spp.Oxalis, buttercupOxalis pes-capraeParsley-piert*Alchemilla arvensisPigweed, redrootAmaranthus retroflexusPineappleweed*Matricaria matricarioidesPurslane, commonSisymbrium irioShepherdspurseCapsella bursa-pastorisSpeedwell, corn*Veronica arvensisSpurge, gradenEuphorbia hirtaSpurge, grostrateEuphorbia hirtaSpurge, spottedOxalis corniculata	Brome	Bromus spp.			
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**FALL APPLICATION:** When used for preemergence (prior to germination) control of crabgrass in late summer or early fall (late August through November), Dithiopyr 0.06% Plus Fertilizer will also control or suppress the following weeds:

WEEDS CONTROLLED				
Common Name	Botanical Name			
Bluegrass (annual	Pao annua			
Bittercress	Cardamine spp.			
Chickweed	Stellaria spp.			
Geranium (Carolina)	Geranium carolinianum			
Henbit	Lamium spp.			
Parsley-piert	Alchemilla arvensis			
Pineappleweed	Matricaria matricarioides			
Shepherdspurse	Capsella bursa-pastoris			

### **APPLICATION EQUIPMENT AND INSTRUCTIONS**

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 can be achieved by applying onehalf 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). Check equipment frequently to verify calibration and proper functioning. Clean and lubricate spreader after use.

## FOR USE ON LANDSCAPE ORNAMENTALS

Dithiopyr 0.06% Plus Fertilizer provides preemergence control or suppression of annual grass and broadleaf weeds in landscape ornamentals. Refer to "For Use on Turf" section of this label for a complete listing of weeds controlled or suppressed. This product may be applied to soil surfaces or mulch where ornamental plants are grown for aesthetic purposes in ornamental gardens, parks, golf courses, and residential areas.

## **APPLICATION INSTRUCTIONS**

Dithiopyr 0.06% Plus Fertilizer is a preemergence herbicide that will not control established weeds. Make applications prior to weed seed germination to bare ground or mulch. For best results, apply to soil that is free of clods, weeds and debris such as leaves. Before application, any existing vegetation should be removed by hand weeding, cultivation, or with the use of a postemergence herbicide. Once the application is made, do not disturb the soil surface as the herbicide barrier will be broken. Irrigate immediately after application to remove herbicide particles from the foliage to prevent foliar damage to ornamentals.

## 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 rates in Table 2 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.

## USE RESTRICTIONS

- · Only apply this product to established ornamentals.
- DO NOT apply this product directly to the bare roots of ornamental plants as injury may result.

• DO NOT incorporate this product into soil. Dilution of active ingredient and plant root injury may occur.

• DO NOT apply to soil around ornamentals that are under stress due to drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides or injury due to insects, nematodes, or disease.

- DO NOT apply under conditions that would affect product distribution (such as windy conditions).
- DO NOT apply this product on grasses grown for seed.
- · DO NOT graze livestock or feed forage cut from areas treated with this product.

#### **USE RATES**

Apply Dithiopyr® 0.06% Plus Fertilizer with a properly calibrated spreader that will provide accurate, even particle distribution. Refer to Table 2 below for product rates when treating a small area.

DO NOT apply more than 19.1 lbs. of this product per 1,000 sq. ft., per application and no more than 57.3 lbs. of this product per 1,000 sq. ft. per year.

In New York State, this product may only be used by Professional Applicators at no more than 19.1 lbs. per 1,000 sq. ft. (0.5 lbs. active ingredient per acre) per year, and is prohibited from use inn Nassau and Suffolk Counties.

## TABLE 2: APPLICATION RATES FOR LANDSCAPE ORNAMENTALS

Pounds Product/Acre	Pounds Product/1,000 sq. ft.	Pounds Product/100 Sq. Ft.
833	19.1	1.91 (30.6 oz.)

#### **APPLICATION EQUIPMENT AND INSTRUCTIONS**

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 can be achieved by applying onehalf 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). Check equipment frequently to verify calibration and proper functioning. Clean and lubricate spreader after use.

#### **TOLERANT ORNAMENTALS**

When applied as directed under the conditions described on this label, the ornamentals listed below have shown tolerance in field trials. However, this product has not been tested on all cultivars of each species or under all possible growing conditions. A limited area involving only a few plants should be treated for tolerance evaluations before large-scale applications.

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	Thija occidentalis	Nigra
		Pyramidalis
		Smaragh
		Techny
		Woodwardii
Arborvitae, Golden	Thuja orientalis	
Aster, Chinese	Callistephus chinensis	Dwarf Queen

Ash, Green	Fraxinus pennyslvanica	
Ash, Mountain	Sorbus aucuparia	
Ash, Purple	Fraxinus Americana	
Azalea	Rhodendrun 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	Nandina domestica	
Barberry	Berberis thunbergii	Aurea
•		Dwarf Pygmy
		Green
		Koboid
		Pygmy Red
		Rose Glow
Barberry, Purple	Berberisvulgaris	Atropurpurea
Basket Flower	Gailladia grandaflora	
Bearberry (common)	Arctostaphylos uva-ursti	Massachusetts
Bee Balm	Monarda didyma	
Begonia	Begonia spp.	
Birch, River	Betula nigra	
Blackeyed Susan	Rudbeckia hirta	Goldstrum
Blanket Flower	Gailladia spp.	
Blueberry*	Vaccinium spp.	Bluecrop
		Blue Jay
		Jersey
		North Blue
		Northland
Bottlebrush	Callistemon citrinus	/ / / / / / / / / / / / / / / / / / /
Boxwood, Japanese	Buxus microphylla	Japonica
Boxwood, Weller	Buxus sempervirens	
Broom	Cytisus spp.	Moonlight
Broom	Genista pilosa	Vancouver Gold
Bugle Carpet		
Carnelia	Camellia japonica	Debutanta
Garrella		
		Mathotiana Supreme Chansonette
	Camelia sasangua	
Candy Tuft	Camelia sasangua	Show M/hite
	llberis spp. Carex	Snow White
Carex, Variegated Cedar, Red	Juniperus virginiana	

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Outrain		
Celosia	Celosia spp.	
Centaura	Centaurea montana	Coordat Diversion
Cockscomb, Plumosa	Celosia cristata	Scarlet Plumosa
Coleus	Coleus blumei	Red Kewpie
Columbine	Aguilegia spp.	
Copper leaf	Acalypha wilkesiana	
Coreopsis	Coreopsis spp.	Moonbloom
Cornflower	Centaurea spp.	
Cotoneaster	Ctoneaster apiculatus	
Coyotebrush	Baccharis pelularis	
Cycads	Cycads revolute	
Cypress, Bald	Taxodium distichum	
Cypress, Italian	Cupressus sempervirens	Glauca
Cypress, Japanese False	Chamaecyparis obtuse	Gracilis
Cupress, Leyland	Cupressocyparis leylandii	
Daffodil	Narcissus spp.	King Alfred
Daylilly	Hemerocallis spp.	Aztec Gold
		Bright Yellow
		(Hybrid)
		Single Gold (Evergreen)
		Wilson's Yellow
Delphinium	Delphinium spp.	Magic Fountain
Dianthus (Sweet William)	Dianthanthus spp.	
Dogwood	Cornus florida	
Dogwood, American	Cornus sericea	Flavarimaea
Douglas Fir	Psuedotsuga menziesil	
Dusty Miller	Senecio cineraria	
Elm, Drake	Ulmus parvifolia	
Euonymus	Euonymus fotunei	Argenteo-variegata
		Auereo-marginata
		Colorata
		Emerald Gaiety
		Emerald 'N Gold
		Gold Edge
		Gold Princess
		Silver King
		Tricolor
Fan Dolm Furancan	Champerene humilie	Vegetus
Fan Palm, European	Chamaerops humilis	
Fan, Plam, Mexican	Washingtonia robusta	
Fern (various)	Asparagus spp.	
Fescue	Festuca glauca	
Fetterbush	Leucothoe fontiana	Rainbow
Ficus	Ficus retusa	Nitidia
Fir, Fraser	Abies fraseri	
Forsythia	Forsythia X intermeida	Arnold Dwarf
		Bronxensis Dwarf
		Lynwood Gold
	1	Meadowlark
		Weeping
	Spring Glory	с
Fuchsia	Fuchsia spp.	
Galium	Galium ordoratum	
Gardenia	Gardenia jasminoides	Mystery
	•	Radicans
Geranium	Pelargonium X hortorum	1 I

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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 Blue Boy llex spp. Blue Girl llex X meserveae Burfodii China Girl Compacta Forsteri Hellerie Japanese Northern Beauty Needlepoint Nellie R. Stevens llex X attenuata Savanah Holly, Chinese llex cornuta Holly, Japanese llex crenata Holly, Yaupon llex vomitoria Honeysuckle Lonicera japonica Clavey's Dwarf Hilliana Tatarian Canadian White Zebelli Red Hosta Hosta Hosta spp. Albo Marginata Hosta lancifolia Ice Plant Carpobrotus edulis Impatiens Impatiens spp. Iris Iris spp. Dwarf Blue Wedgewood Ivy, English Hedera helix Bulgaria Thorndale Jasmine, Asian Trachelospermum asiaticum Juniper Juniperus spp. Arcadia Armstrong Bar Harbor Juniperus horizontalis Blue Chip Blue Pacific Blue Rug Blue Star Broadmoor Buffalo Calgary Carpet Emerald Sea Emerald Spreader Endora Compacta Fruitlandi Green Gold Tip Hetzi Hughes

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		,	15
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		Manhattan Blue	
		Parsoni	
		Pfitzeriana Plumosa	
		Prince of Wales	
		Procumbens Dwarf	
		San Jose	
		Sargent Blue	
		Sargent Green	
		Scandia	
		Scopulorum Moonglow	
		Scopulorum Skyrocket	
	Juniperus chinensis	Spartan Tamariscifolia	
	Juniperus Sabina	Weberi	
		Youngstown	
		Yukon Belle	
King Palm	Archontophoenix cunninghamiana		ļ
Laurel, Australian	Pittosporum tobira		
Laurel, Mountain	Kalmia latifolia		
Leucothoe	Leucothoe fontanesiana		
Ligustrum, Japanese Lily, Afircan	Ligustrum japonicum Agapanthus africanus	Albus	
		Peter Pan	
Lily, African Blue			
Lily of the Valley	Pieris japonica	Mt. Fire	
Lilyturf	Liriope muscari	Evergreen Giant	
		Lilac Beauty	
		Majestic	
		Monroe White Variegata	
Liriope, Green	Liriope spicata	Vanegala	
Maple, Japanese	Acer japonicum		
Maple, Norway	Acer platanoides		
Maple, Red	Acer rubrum		
Maple, Silver	Acer saccharinum		
Maple, Sugar	Acer saccharum		
Marigold	Tagetes patula	Honeycomb Variegata	
		Wheeler's Dwarf	
Mock Orange*	Philadelphus spp.	Golden	
	,	Snowflake Double White	
Mondo Grass	Ophiopogon japonicus		
Moss Rose	Portulaca grandifloro	Sunnyside	
Myrtle, Crape	Lagerstroemia indica	Faurei	
		Langer	
		Muskogee Standard Pink	
Myrtle, Wax	Myrica cerifera		
Nandina	Nandina domestica	Compacta	1
		Nana	
Narcissus	Narcissus spp.		
Oak, Laurel	Quercus laurifolia		
Oak, Pin	Quercus palustris		
Oak, Red Oak, Southern	Quercus rubra Quercus virginiana		
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Oak, Willow	Quercus phellos		
Oleander	Nerium oleander	Hardy Red Petite Pink	
Osteospermum	Osteospermum fruticosum	Sister Agnes Whirligig	
Pachysandra Palm, Bangalow	Pachysandra terminalis	Vilingig	
Pampas Grass	Cortaderia selloana		
Pansy	Viola x wittrockiana		
Paper Flower	Bougainvillea glabra	Barbara Karst	
Peach* Periwinkle, Dwarf	Prunus persica Vinca minor		
Petunia	Petunia X hybrida	Picoti	
Photinia, Red Tip	Photinia X fraseri	1 1001	
Pieris	Pieris japonica		
Pine, Australian	Pinus nigra		
Pine, Japanese Black	Pinus thunbergiana		
Pine, Loblolly	Pinus taeda		
Pine, Longleaf	Pinus palustris		
Pine, Mugho Pine, Scotch	Pinus mugho Pinus sylvestris		
Pine, Slash	Pinus elliottii		
Pine, Swiss Mt.	Pinus mugo		
Pine, Virginia	Pinus virginiana		
Pine, White	Pinus strobes		
Pineapple, Guava	Feijoa fellowiana		
Pittosporum, Japan	Detentille nenelancia		
Potentilla	Potentilla nepalensis Potentilla fruiticosa	Abbotswood	
Privet	Ligustrum japonicum	Golden Vicary	
1 Hvet		Regal	
		Texanum	
		Wax	
		Yellow Tipped	
Privet, Glossy	Ligustrum lucidum	0	
Pyracantha	Pyracantha koidzumii	Gnome Lalandei	
		Victory	
Queen Palm	Arecastrum rammanzoffianum	Victory	
Quince, Japanese*			
Rhododendron	Rhodendron spp.	Album	
		Cunningham White	
		Fashion	
		Hardy PJM	
		Purple Gem	
		Silvery Pink	
Rhodendron, Carolina	Rhododendron carolinianum		
Rhododendron, Catawba	Rhododendron catawbiense		
Rockcress	Arabis spp.	Snowcap	
Rhodia Max (Rosebay)	Rhododendron maximum		
Rose	Rosa banksiae	Luta	
Rosemary* Rosemary, Bog	Rosmarinus officinalis Andromeda polifolia	Nana	
Salvia	Salvia farinacea	Rhea	
Sedum	Sedum spurium	Dragon Blood Red	

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		Red Carpet
		Yellow
Snapdragon	Antirrhinum spp.	
Sourwood	Oxydendrum arboretum	
Spiraea	Astilbe X arendsii	Fanall
Spiraea	Spirea spp.	Anthony Waterer Red
opilada		Dolchica
		Froebeli Pink
		Goldenflame Red
		Snowmound White
		Van Houtte White
Spiraea, Garland	Spirea spp.	van noutte winte
Spruce, Black Hills	Picea glauca	
Spruce, Colorado Blue		
	Picea pungens Picea abies	
Spruce, Norway	1	Conice
Spruce, White	Picea glauca	Conica
Sweetflag, Grassyy-Le		
Sweetgum	Liquidambar styraciflua	
Sycamore	Plantanus occidentalis	
Tree Fern (Tiki Fern)	Asparagus virgatus	
Trumpet Flower, Evening	Gelsemium sempervirens	
Tulip	Tulipa spp.	Apeldoorn
Verbana, Shrub	Lantana sellowiana	
Vervain	Verbena spp.	St. Paul
Viburnum	Viburnum spp.	American Cranberry Bush
		Arrowood
		Common Snowball
		European Cranberry Bush
		Linden
		Mohican
5		Wright
Vinca (Periwinkle)	Vinca minor	
Windmill Palm	Trachycarpus fortunei	
Xylosma	Xylosma congestum	
Yarrow	Achillea spp.	
Yaupon	llex vomitoria	Dwarf
Yew	Taxus cuspidate	Denisformis
	Taxus X media	
* Ornamental species only. De	o not use on food producing trees an	id ornamentals.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store in original container in a locked storage area out of reach of children and domestic animals.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: If empty: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available: Do not rinse unless required for recycling. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. If partly filled: Call your local solid waste agency for disposal instructions. Never pour unused product

down any indoor or outdoor drain.

### CONDITIONS OF SALE AND WARANTY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying and using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The DIRECTIONS FOR USE of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Lawn and turf injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of Control Solutions, Inc. or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

Control Solutions, Inc. warrants that this product conforms to the chemical description on the label, and is reasonably fit for the purposes set forth in the DIRECTIONS FOR USE, when it is used in accordance with such directions, subject to the inherent risks mentioned above.

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