

264-723

10-19-2004

1/10

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 264-723	2. EPA Product Manager	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company/Product (Name) Di-Syston 15%	PM#	
5. Name and Address of Applicant (Include ZIP Code) BAYER CROPSCIENCE P.O. BOX 12014, 2 T.W. ALEXANDER DRIVE RESEARCH TRIANGLE PARK, NC 27709 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION OCT 19 2004
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
 Notification of the addition of use directions for ornamentals which were inadvertently omitted when the company name was changed from Bayer Corporation to Bayer CropScience. "This notification is consistent with provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and lies under section 12 and 14 of FIFRA."

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input checked="" type="checkbox"/> Paper	<input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 40 pounds		5. Location of Label Directions	
6. Manner in Which Label is Affixed to Product		<input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name LARRY R. HODGES	Title REGISTRATION MANAGER	Telephone No. (Include Area Code) 919-549-2870
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2.	3. Title REGISTRATION MANAGER	
4. Typed Name LARRY R. HODGES	5. Date September 17, 2004	

RESTRICTED USE PESTICIDE

Due to acute human oral, dermal, and inhalation toxicity

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Di-Syston[®] 15%

Granular Systemic Insecticide

For effective systemic crop protection.

ACTIVE INGREDIENT:

O,O-Diethyl S-[2-(ethylthio)ethyl]phosphorodithioate 15%

INERT INGREDIENTS: 85%

100%

EPA Reg. No. 264-723

EPA Est. No.



STOP – Read the label before use.
KEEP OUT OF REACH OF CHILDREN



DANGER POISON
PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577
For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-992-2937)

FIRST AID

Contains an organophosphate that inhibits cholinesterase.

If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • 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.

In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have a product container or label with you when calling a poison control center or doctor.

Note To Physician: ANTIDOTE - Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.

Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

SYMPTOMS OF POISONING: A sense of "tightness" in the chest. Sweating. Contracted pupils. Stomach pains. Vomiting and diarrhea.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Poisonous if swallowed, inhaled, or absorbed through the skin. Rapidly absorbed through the skin. Wear protective clothing and gloves. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Do not get in eyes, on skin, or on clothing. Remove contaminated clothing and wash before reuse. Do not breathe dust.

Personal Protective Equipment

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Water-proof gloves
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing or loading
- For exposures in enclosed areas, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.
- For exposures outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N, R, P or HE filter.

Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls statements: When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. 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 from treated areas may be hazardous to fish in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Cover or incorporate spills.

This pesticide is toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval.

The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

Each 48 hour REI is increased to 72 hours in outdoor areas where average rainfall is less than 25 inches a year.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over short-sleeved shirt and short pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer CropScience Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer CropScience Emergency Response Telephone No. is 1-800-334-7577.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. DI-SYSTON 15% Granular systemic insecticide enters the plant through the root system. The insecticide when placed near the roots, is picked up and moves in the sap stream to all parts of the plant where it kills insects as they feed on the plant.

This formulation of DI-SYSTON 15% Granular is highly versatile and may be applied by various methods. It can be drilled in the furrow with seed, broadcast, or banded on each side of the seed furrow. Foliage broadcast application may be applied by ground or air equipment. Time and method of application and limits for use are discussed in detail for each specific crop under "Remarks" below.

As a preplant treatment for shrubs and trees, apply granules evenly to seed bed and mix into soil; seeds or transplants are then placed in the normal manner. Established plants may be treated by distributing granules uniformly under foliage canopy. Work the granules uniformly into top soil and water thoroughly. The active ingredient will move into the root zone and be taken up by the root system.

Do not contaminate feed or food.

RECOMMENDED APPLICATIONS

IMPORTANT: When used on cotton, peanuts or beans at the maximum recommended rates under adverse conditions such as extremely cool or wet or extremely dry weather, DI-SYSTON systemic insecticide may cause some delay in emergence, stunting of seedlings, or reduction of stand. Such damage may be more pronounced in light, sandy soils. Plant injury may also occur or may be enhanced when certain pre-emergent herbicides are used in conjunction with DI-SYSTON.

RESTRICTIONS

Do not use on other crops used for food or forage. Use only according to label directions. Application at rates above those shown may result in illegal crop residues. Do not use in greenhouses.

Do not apply this product with a knapsack or other equipment that is placed on the user's body.

RECOMMENDED APPLICATIONS																			
CROP	INSECT	DOSAGE DI-SYSTON 15% G	REMARKS																
FIELD CROPS Barley	Aphids* Grasshoppers Hessian fly Mites (Except Wheat curl mite) Thrips	6.7 lb per acre	<p>Apply by drilling or broadcast at planting time, or as a broadcast after emergence. Do not apply more than twice per season nor within 60 days of harvest for grain. Allow a minimum of 21 days between applications. Do not graze or cut for forage within 30 days of treatment.</p> <p>For control of Hessian fly, apply at planting. In addition, foliar application of DI-SYSTON 8 to control later generations in southern growing areas may be beneficial.</p> <p>ROW SPACING RATE CHART FOR DI-SYSTON 15% G</p> <table border="1"> <thead> <tr> <th>Row Spacing**</th> <th>Lb 15% G / Acre</th> <th>Row Spacing**</th> <th>Lb 15% G / Acre</th> </tr> </thead> <tbody> <tr> <td>6, 7, or 8</td> <td>6.7</td> <td>14</td> <td>3.9</td> </tr> <tr> <td>10</td> <td>5.4</td> <td>16</td> <td>3.4</td> </tr> <tr> <td>12</td> <td>4.5</td> <td>18</td> <td>3.0</td> </tr> </tbody> </table>	Row Spacing**	Lb 15% G / Acre	Row Spacing**	Lb 15% G / Acre	6, 7, or 8	6.7	14	3.9	10	5.4	16	3.4	12	4.5	18	3.0
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Cotton	Aphids* Mites Thrips (Except Western flower thrips)	<p>5 to 8 oz per 1000 sq ft of row** (for any row spacing)</p> <p>OR</p> <p>4 to 6.7 lb/A (40 inch row spacing)</p>	<p>Read "IMPORTANT" statement under "RECOMMENDED APPLICATIONS" for additional information before use on this crop.</p> <p>RATE CHART FOR APPLICATION</p> <table border="1"> <thead> <tr> <th>Heavy Soils</th> <th>Medium Soils</th> <th>Light Soils</th> </tr> </thead> <tbody> <tr> <td>8 oz 15% G/ 1000 ft of row</td> <td>6.6 oz 15% G/ 1000 ft of row</td> <td>5 oz 15% G/ 1000 ft of row</td> </tr> <tr> <td>OR</td> <td>OR</td> <td>OR</td> </tr> <tr> <td>6.7 lb 15% G/acre</td> <td>5.3 lb 15% G/acre</td> <td>4 lb 15% G/acre</td> </tr> </tbody> </table> <p>DO NOT FEED TREATED COTTON FORAGE.</p> <p>At Planting/Replanting: Place the granules in the seed furrow or in a soil incorporated band on each side of the furrow. This application may be used in conjunction with a fungicide application which is registered and recommended for disease control on this crop.</p> <p>This at planting soil application of DI-SYSTON may be used in conjunction with a preemergent surface applied or preplant incorporated treatment of Command herbicide. Refer to the herbicide product label for appropriate preplant or preemergent herbicide application directions and use rates. Do not reduce the application rate of DI-SYSTON insecticide when Command herbicide is applied as a banded treatment.</p> <p>Post Plant: (Irrigated Cotton Only) If this treatment type is necessary, make one soil incorporated side-dress application.</p> <p>Do not apply more than once per season. Allow at least 28 days between application and harvest.</p>	Heavy Soils	Medium Soils	Light Soils	8 oz 15% G/ 1000 ft of row	6.6 oz 15% G/ 1000 ft of row	5 oz 15% G/ 1000 ft of row	OR	OR	OR	6.7 lb 15% G/acre	5.3 lb 15% G/acre	4 lb 15% G/acre				
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<p>* Due to greenbug resistance in certain areas, Di-Syston used alone may not provide satisfactory control. Consult your local cooperative extension service, agricultural advisor or Bayer CropScience representative for details.</p> <p>** On row crops where row spacing is extremely narrow, do not place treated zones (band or furrow) closer together than 6 inches.</p>																			

RECOMMENDED APPLICATIONS																			
CROP	INSECT	DOSAGE DI-SYSTON 15% G	REMARKS																
FIELD CROPS (continued) Peanuts	Aphids* Leafhoppers Mites Thrips (Except Western flower thrips)	7.4 oz per 1000 ft of row (for any row spacing**) OR 6.7 lb/A (36-inch row spacing)	Read "IMPORTANT" statement under "RECOMMENDED APPLICATIONS" for additional information before use on this crop. Apply specified dosage per acre in-furrow or as a soil incorporated band on each side of the seed at planting or as a soil incorporated side-dressing after plants are established. Do not feed treated vines. In conjunction with this soil application of DI-SYSTON, Basagran herbicide may be used at cracking or early postemergence at rates up to 1 pint/acre. Do not make a second application of Basagran until 21 days after peanut emergence. Do not apply more than 1.0 pint/acre of Basagran in single or multiple applications until 21 days after peanuts have emerged.																
		6 to 8 oz per 1000 ft of row (for any row spacing**) OR 5 to 6.7 lb/A (40-inch row spacing)	PLANTING: IN-FURROW Place the granules in the seed furrow approximately 1/2 inch above the seed at planting. Do not apply directly on the seed. See "NOTE" below.																
		8 oz per 1000 ft of row (for any row spacing**) OR 6.7 lb/A (40-inch row spacing)	PLANTING: BAND Place the granules in a 4 to 6 inch soil incorporated band directly behind the planter shoe in front of the press wheel. Do not apply directly on the seed. See "NOTE" below. POST-PLANTING: WHORL Apply specified dosage by broadcasting into the whorl. Do not apply more than 1 time per season. Allow at least 30 days between last application and harvest of grain and at least 45 days between last application and harvest for forage or fodder.																
APPLICATION NOTE: (1) The post-planting broadcast application into the whorl may be made following an at-planting application.																			
Soybeans	Aphids* Leafhoppers Mites Thrips (Except Flower thrips) Mexican bean beetle	8 oz per 1000 ft of row (for any row spacing**) OR 6.7 lb/A (36 inch row spacing)	Place the granules in a 4-inch soil incorporated band over the seed furrow behind the planter shoe and in front of the press wheel or in a soil incorporated band on each side of the seed furrow at planting time. Do not apply directly on the seed. Allow at least 75 days between application and harvest of forage or hay. Soybeans Grown for Seed Only: As an alternate to the applications above, soybeans grown for seed only can be treated with a soil incorporated side-dress after plants are established. Soybeans treated in this way should not be pastured and the treated crop cannot be used for feed, food or forage.																
Tobacco	Aphids* Flea beetles Thrips (Except Western flower thrips) Southern potato wireworm (See NOTE)	Transplant Seed Beds: 1 oz/100 sq ft of bed	Apply evenly over bed area. Incorporate the granules thoroughly into the top 2 to 3 inches of soil; seed beds in normal manner. An alternative treatment may be made by broadcasting the granules evenly over the plants after emergence and watering to thoroughly incorporate the granules. Only one application may be made to transplant seed beds.																
		Field Application: 20 to 40 oz per 1000 ft of row (for any row spacing**) OR 13.3 to 26.7 lb/A (broadcast or with 48 inch row spacing)	Apply in a 6- to 12-inch soil incorporated band over the row or as a soil incorporated broadcast treatment immediately before transplanting. Incorporate the granules by working them into the top 2 to 3 inches of soil. Plant crop in the usual way. Only one field application may be made per crop season regardless of DI-SYSTON formulation used.																
NOTE: DI-SYSTON 15% Granular will aid in control of the Southern potato wireworm.																			
Wheat (Fall)	Aphids* (Greenbugs) (Bird cherry-oat) Grasshoppers Hessian fly Mites (Except Wheat curl mite)	1.67 oz per 1000 ft of row up to 6.7 lb/A **	Apply by drilling or broadcast at planting time in the fall. Make only one application and do not graze or cut for forage within 75 days of treatment. For control of Hessian fly, apply at planting. In addition, foliar application of DI-SYSTON 8 to control later generations in southern growing areas may be beneficial. ROW SPACING RATE CHART FOR DI-SYSTON 15% G <table border="1"> <thead> <tr> <th>Row Spacing**</th> <th>Lb 15% G / Acre</th> <th>Row Spacing**</th> <th>Lb 15% G / Acre</th> </tr> </thead> <tbody> <tr> <td>6, 7, or 8</td> <td>6.7</td> <td>14</td> <td>3.9</td> </tr> <tr> <td>10</td> <td>5.4</td> <td>16</td> <td>3.4</td> </tr> <tr> <td>12</td> <td>4.5</td> <td>18</td> <td>3.0</td> </tr> </tbody> </table>	Row Spacing**	Lb 15% G / Acre	Row Spacing**	Lb 15% G / Acre	6, 7, or 8	6.7	14	3.9	10	5.4	16	3.4	12	4.5	18	3.0
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* Due to greenbug resistance in certain areas, Di-Syston used alone may not provide satisfactory control. Consult your local cooperative extension service, agricultural advisor or Bayer CropScience representative for details. ** On row crops where row spacing is extremely narrow, do not place treated zones (band or furrow) closer together than 6 inches.

RECOMMENDED APPLICATIONS			
CROP	INSECT	DOSAGE DI-SYSTON 15% G	REMARKS
FRUIT Coffee (Puerto Rico only)	Leaf miner	2 to 4 grams/ft of tree height	Distribute granules uniformly under the tree canopy. Do not apply more than twice per year. Make no more than one pre-harvest and one post-harvest application. Do not make the pre-harvest application within 90 days of harvest.
VEGETABLES Beans	Aphids* Leafhoppers Mexican bean beetle (larvae) Mites Thrips	6 oz per 1000 feet of row (for any row spacing**) OR 6.7 lb/A (30-inch row spacing)	Read "IMPORTANT" statement under "RECOMMENDED APPLICATIONS" for additional information before use on this crop. For snap or green Lima beans, place the granules in a soil incorporated band on each side of the seed furrow at planting time only. For dry beans, apply as above at planting time or as a soil incorporated side-dressing on each side of the row. Allow at least 60 days between application and harvest. Do not apply directly on the seed. Only one application is allowed per season. Do not feed vines or hay.
Brussels Sprouts Broccoli Cabbage (Includes tight-heading varieties of Chinese cabbage) Cauliflower	Aphids* Flea beetles Leafhoppers	7.4 oz per 1000 ft of row (for any row spacing**) OR 6.7 lb/A (36-inch row spacing)	Do not apply to vegetables grown for seed. Transplant Seed Beds: Apply granules evenly over bed area. Thoroughly incorporate into the top 2 to 3 inches of soil; seed beds in normal manner. An alternate seed bed treatment may be made by broadcasting the granules evenly over the plants after emergence and watering to thoroughly incorporate the granules. Do not apply more than one seed bed treatment. Field Applications: Place the granules as a soil incorporated band on each side of the seed furrow or transplanted row at planting and/or as a soil incorporated side-dressing after plants become established. Do not apply directly on the seed.
Brussels Sprouts	Mites Thrips		Only one field application is allowed. For broccoli, allow at least 14 days between application and harvest. For cabbage, allow at least 42 days between application and harvest.
Cabbage (Includes tight-heading varieties of Chinese cabbage)	Root Aphid	11.3 oz per 1000 ft of row (for any row spacing**)	For brussels sprouts, allow at least 30 days between last application and harvest. For cauliflower, allow at least 40 days between last application and harvest.
Peas Lentils	Aphids* Leafhoppers	6.7 to 16.7 lb/A	Apply by drilling or broadcasting at planting time, or as a soil incorporated side-dress on each side of the row after emergence. Do not apply more than once per season nor within 50 days of harvest. Do not feed vines or hay.
Peppers	Aphids*	6.7 to 13.3 oz per 1000 ft of row (for any row spacing**) OR 6.7 to 13.3 lb/A (32-inch row spacing)	Place the granules in a soil incorporated band on each side of seed furrow at planting or at transplanting. Do not apply more than once per crop season nor within 90 days of harvest. Do not apply directly on the seed.
<p>* Due to greenbug resistance in certain areas, Di-Syston used alone may not provide satisfactory control. Consult your local cooperative extension service, agricultural advisor or Bayer CropScience representative for details.</p> <p>** On row crops where row spacing is extremely narrow, do not place treated zones (band or furrow) closer together than 6 inches.</p>			

RECOMMENDED APPLICATIONS			
CROP	INSECT	DOSAGE DI-SYSTON 15% G	REMARKS
VEGETABLES continued Potatoes	Aphids*	15 to 23 oz per 1000 ft of row (for any row spacing**) OR 13.5 to 20.5 lb/A (38-inch row spacing)	ROW TREATMENT Place the granules in the seed furrow or in a soil incorporated band on each side of the seed furrow at planting or as a soil incorporated side-dress after plants become established. Use the higher rate on heavy organic soils.
	Flea Beetles (except tuber flea beetles)		20 lb/A
	Leafhoppers Potato psyllid Southern potato Wireworm (see Note) Colorado potato beetles (early season reduction)	Colorado potato beetle populations in Northeast U.S. (except Maine) and in Virginia and North Carolina have developed resistance to some insecticides, including DI-SYSTON. Consult your state extension agent/agricultural advisor for insect resistance management strategies and recommended insect control methods for your area. Note: DI-SYSTON 15% Granular will aid in control of the Southern potato wireworm.	
SHRUBS & TREES (Including Christmas trees)	Aphids*	SHRUBS 3.75 to 7.5 grams per foot of height	SHRUBS Apply specified dosage per foot of shrub height. For shrubs 1-3 feet tall apply the lower rate and on plants 3-6 feet in height apply the higher rate. Distribute granules uniformly under the shrub canopy, incorporate thoroughly into the soil, and water heavily. Repeat applications at 4 to 6 week intervals if necessary.
	Birch leaf miner Camellia scale Elm leaf beetle European elm scale Holly leaf miner Lace bug Leafhoppers Mimosa webworm Mites Pine tip moth Soft scale (<i>Coccus hesperidum</i>) Tea scale Thrips Whiteflies	TREES 2.5 oz per inch of trunk diameter measured 4 feet from the ground	TREES Broadcast: Spread granules uniformly from trunk to drip line on all sides. Incorporate thoroughly into soil and water heavily so that no pesticide remains on the soil surface. Transplants: For transplanting, equivalent quantities should be applied in the planting hole. Uniformly mix DI-SYSTON 15% Granular in the bottom one-half of the backfilled soil when planting. A minimum of 6 inches of untreated soil should be placed on the backfilled soil. Soil Implant: With an auger or soil sampling tool, dig 2 equally spaced holes for each inch of trunk diameter. (Do not use less than 4 holes per tree.) Dig the holes 9 to 12 inches deep under the drip line. Place an equal amount of DI-SYSTON 15% Granular in each hole. Fill the holes to the surface with soil, compress, and add additional soil to level. Keep the treated area moist for 7 to 10 days.
		5 lb per 1000 linear ft of row OR a soil injection 4 to 6 inches beneath the soil surface in 1 or 2 linear application trenches	Soil Injection: Use an opening disk or shoe to make a furrow 4 to 6 inches deep between trunk and drip line of tree parallel to the direction of the row. Apply DI-SYSTON 15% Granular through a tube so that the material is deposited in the bottom of the furrow. A device to close and seal the furrow should be used following the placement of the material so that no granules are present on the soil surface.
* Due to greenbug resistance in certain areas, Di-Syston used alone may not provide satisfactory control. Consult your local cooperative extension service, agricultural advisor or Bayer CropScience representative for details.			
** On row crops where row spacing is extremely narrow, do not place treated zones (band or furrow) closer together than 6 inches.			

RECOMMENDED APPLICATIONS			
CROP	INSECT	DOSAGE DI-SYSTON 15% G	REMARKS
ORNAMENTALS Flowers and Groundcover	Aphids* Lace bug Leafhoppers Mites Thrips Whiteflies	3.5 to 7.25 oz per 100 ft of row	ROW TREATMENT As a row treatment apply in a band on each side of the seed furrow, or as a band over the row. Incorporate thoroughly into soil and water heavily. The higher dosage is recommended for heavy organic or muck soils. For treatment of Easter lilies and gladiolus, apply in the furrow over the bulbs after they are set, but before covering with soil. Do not make in-furrow applications to garden lily bulbs.
		7 oz per 100 sq ft	BROADCAST For mass planting apply as a broadcast treatment and incorporate into the soil before planting or apply after plants are established. Granules must be incorporated in the soil by mechanical means or thoroughly watered in so no pesticide remains on the soil surface. Repeat applications at 4 to 6 week intervals if necessary.
		2 grams per sq ft	POTTED PLANTS For application to potted plants, determine surface area of container, [diameter (inches) squared x 0.7865 divided by 144 equals square feet area of container]. Apply appropriate amount of DI-SYSTON 15% Granular by thorough incorporation as directed.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: BAYER CROPSCIENCE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. BAYER CROPSCIENCE DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

NET WEIGHT:

Equivalent Measures of DI-SYSTON 15% Granular

1 level teaspoonful = 3 grams

10 level teaspoons = 1 ounce



Bayer CropScience

**Bayer CropScience LP
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709
1-866-99BAYER (1-866-992-2937)**

Bayer CropScience



EPA Correspondence No. 04-08D
September 17, 2004

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, Virginia 22202

Re: Di-Syston 15% Granular Systemic Insecticide (EPA Reg. No. 264-723). Notification of Changes, Per PR Notice 98-10, to Reinstate the Use Directions for Ornamentals.

As allowed by PR Notice 98-10 we are notifying EPA that we are correcting an error in the label for Di-Syston 15% Granular Systemic Insecticide (EPA Reg. No. 264-723). When the company name was changed from Bayer Corporation (EPA Registration Number 3125) to Bayer CropScience (EPA Registration Number 264) and new labels printed for Di-Syston 15%, the use directions for ornamentals were inadvertently omitted from the label. This was brought to our attention by Lily bulb growers in California and we are now putting the use directions back on the label.

Bayer CropScience
2 T.W. Alexander Drive
Research Triangle Park, NC 27709
Phone: 919 549-2000

We are submitting three copies of the corrected label dated September 16, 2004.

I can be reached at 919-549-2870. Please feel free to contact me if you have any questions regarding this notification.

Sincerely,

Larry R. Hodges, Ph.D.
Registration Manager