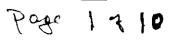


8/1/2001



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

AUG 1 2001

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

James L. Kunstman Manager, Insecticide Registrations Bayer Corporation Agriculture Division 8400 Hawthorn Road P.O. Box 4913 Kansas City, MO 64120-0013

Subject: Amendment - Final Label Revisions and Use Deletions Di-Syston 8 Emulsifiable Systemic Insecticide EPA Reg. No. 3125-307 Your submission dated July 23, 2001

Dear Mr. Kunstman:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable, subject to the comments listed below. A stamped copy of the label is enclosed for your records.

1. Under the "Precautionary Statements" section, correct the spelling of the word "contaminated." Add the statement "Wear protective clothing and gloves."

If you have any questions, please call Dr. William Sproat of my team at 703-308-8587.

Sit cerely George T. LaRocca

Product Manager 13 Insecticide Branch Registration Division (7505C)

Enclosure

cc: Christine Scheltema, SRRD

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[®] 8

Emulsifiable Systemic Insecticide

8 pound per Gallon Formulation

Low Odor Formula

Formulated for Effective Soil Treatment.

ACTIVE INGREDIENT:

Disulfoton, O,O-Diethyl S-[2-(ethylthio)ethyl]-	
phosphorodithioate	%
INERT INGREDIENTS:	%
100	%

Contains 8 lbs. O,O-Diethyl S-[2-(ethylthio)ethyl] phosphorodithioate per gallon.

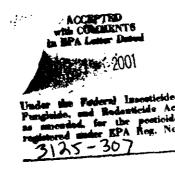
EPA Reg. No. 3125-307 NET CONTENTS: ____ GALLONS

STOP - Read the label before use. Keep out of reach of children.



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.)



FIRST AID				
Organophospi	nate			
If swallowed	 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. 			
lf on skin or clothing	 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. 			
lf in eyes	 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. 			
lf inhaled	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to- mouth if possible. Call a poison control center or doctor for further treatment advice. 			
City Emergency 0244. Have a price calling a poison Note To Physic sulfate in large to the point of to may be adminis	gency call toll free the Bayer Kansas Response Telephone No. 800–414- roduct container or label with you when control center or doctor. cian: ANTIDOTE - Administer atropine therapeutic doses. Repeat as necessary blerance. 2-PAM is also antidotal and tered, but only in conjunction with			
stimulation of the parasympathetic motor nerves. If pulmonary eder of poisoning even pulmonary eder oxygen tent and SYMPTOMS O	bits cholinesterase resulting in e central nervous system, the c nervous system, and the somatic Do not give morphine. Watch for na, which may develop in serious cases en after 12 hours. At first sign of na, the patient should be placed in an d treated symptomatically. F POISONING: A sense of "tightness" in ating. Contracted pupils. Stomach and diarrhea.			

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Poisonous if swallowed, inhaled, or absorbed through the skin. Rapidly absorbed through the skin. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Do not get in eyes, or skin, or on dothing. Remove cantaminated clothing and wash before reuse. Do not breathe fumes or spray mist.

Personal Protective Equipment: Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- · Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or viton
- · Chemical-resistant footwear plus socks
- Protective eyewear
- · 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 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 R, P or HE filter.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this products concentrate. Do not reuse them, 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. For terrestrial uses, 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 cleaning equipment or 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.

RESTRICTIONS

Not for home garden use. 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 in any manner not specified on the label.

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 restrictedentry 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.

The REI is 72 hours in outdoor areas where average rainfall is less than 25 inches a year.

Exception: If the product is soil-injected or soilincorporated, 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 long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber, or nitrile rubber or viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- · 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.

IMPORTANT: Read these entire Directions and Conditions of Sale before using DI-SYSTON 8 Emulsifiable Systemic Insecticide.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. BAYER OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF BAYER AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

DI-SYSTON systemic insecticide enters the plant by absorption through the roots. The insecticide placed near the roots is translocated to all parts of the plant and kills sucking insects feeding on the plant.

The formulation of DI-SYSTON 8 is highly versatile and offers many forms of application. It can be sprayed or injected into the furrow at planting time or soil injected as a side-dress treatment at planting time or after plants become established. Applications may be made in water emulsion, with liquid fertilizer, or undiluted in specially designed equipment for low volume soil injection but never on crops for which less than 1 quart DI-SYSTON 8 per acre is the recommended dosage. Time and method of application and limits for use are discussed in detail for each specific crop under "Remarks" below.

Do not contaminate feed or food.

RECOMMENDED APPLICATIONS

IMPORTANT: When used on cotton, dry beans, or lettuce at' the maximum recommended rates under adverse conditions such as extremely cool or wet or extremely dry weather, DI-SYSTON 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 herbicides are used in conjunction with DI-SYSTON. Refer to herbicide labels for special precautions.

MIXING WITH LIQUID FERTILIZER OR OTHER

PESTICIDES: DI-SYSTON 8 is physically compatible with many registered pesticides and liquid fertilizers. When considering mixing DI-SYSTON 8 with other pesticides or with liquid fertilizer, first contact your dealer. For further information, contact your Bayer representative. If your dealer and Bayer representative have no experience with the combination you are considering, you should conduct tests to determine physical compatibility. A compatibility test should be conducted with each batch of liquid fertilizer because of the variability of these fertilizers. When mixing with certain high phosphorous liquid fertilizers, the use of COMPEX compatibility agent (or other equivalent agents) at 1 quart per 100 gallons of mixture may be needed to assure proper mixing.

WHEN CONDUCTING COMPATIBILITY TESTS, WEAR ALL PROTECTIVE GEAR AND OBSERVE ALL PRECAUTIONS LISTED IN THE PRECAUTIONARY STATEMENTS SECTION OF THIS LABEL.

To determine physical compatibility, pour the recommended proportions of each chemical with the proportion of water which will be present in the spray tank or chemical supply tank into a suitable container. Mix thoroughly and allow to stand for five minutes. If the combination remains mixed, or can be remixed readily, the mixture is considered physically compatible. When mixing with wettable powder or dry flowable formulations, add and disperse these first, then add liquid pesticides. If application will be through an irrigation system, conduct another compatibility test at the concentrations which will be present in the irrigation lines. If there is any separation which cannot be remixed readily, Bayer recommends that the combination not be used. Combinations should be kept agitated and should be applied immediately. Do not allow combinations to sit for prolonged periods in a spray or chemical supply tank or irrigation line.

USE IN CHEMIGATION SYSTEMS

DI-SYSTON *s* may be applied through irrigation systems only on those crops listed under Recommended Applications where application through irrigation systems is recommended.

Types of Irrigation Systems: Apply DI-SYSTON 8 only through sprinkuer, including center pivot, lateral move, side roll, or overhead solid set irrigation systems; or low pressure drip (trickle) irrigation systems. Do not apply DI-SYSTON 8 through any other type of irrigation system.

GENERAL DIRECTIONS FOR ALL RECOMMENDED TYPES OF IRRIGATION SYSTEMS

Uniform Water Distribution and System Calibration: The irrigation system must provide uniform distribution of treated water. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

The system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Chemigation Monitoring: A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need anse.

Drift: Do not apply when wind speed favors drift beyond the area intended for treatment.

Required System Safety Devices: The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Using Water from Public Water Systems: DO NOT APPLY DI-SYSTON 8 THROUGH ANY IRRIGATION SYSTEM CONNECTED TO A PUBLIC WATER SYSTEM. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Posting Requirements: This sign is in addition to any sign posted to comply with the Worker Protection Standard. Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to the follow requirements: Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

Posting required for chemigation does not replace other posting and reentry interval requirements for farm worker safety.

Agitation: For application of DI-SYSTON 8 alone, a chemical supply tank is not necessary for premixing since DI-SYSTON 8 mixes well with water in the irrigation line. If a chemical supply tank is used, constant strong mechanical or hydraulic agitation must be maintained in the chemical supply tank during the entire period of application.

Chemical Supply Tank Dilution: If a chemical supply tank is used, you must determine the required amounts of DI-SYSTON 8 and water to mix in the tank.

The amount of DI-SYSTON 8 needed equals the number of pints of DI-SYSTON 8 to be applied per acre multiplied by the number of acres to be chemigated.

The amount of emulsion needed equals the gallons of emulsion delivered per hour by the injection pump multiplied by the number of hours chemigation will take place.

The amount of water needed equals the amount of emulsion needed minus the amount of DI-SYSTON 8 needed.

For example, for center-pivot or automatic-move linear systems, if you want to apply 3 pints of DI-SYSTON 8 per acre to 130 acres in 20 hours and your injection pump delivers 15 gallons per hour, you need: 3 pints of DI-SYSTON 8 per acre X 130 acres = 390 pints or 48.75 gallons of DI-SYSTON 8. And, you need: 15 gallons per hour X 20 hours = 300 gallons of emulsion, minus 48.75 gallons of DI-SYSTON 8 = 251.25 gallons of water.

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Another example, for solid set and manually controlled linear systems, is if you want to apply 3 pints of DI-SYSTON 8 per acre during the last 60 minutes of a set irrigating 6 acres and your injection pump delivers 20 gallons per hour, you need 3 pints of DI-SYSTON 8 per acre X 6 acres = 18 pints or 2.25 gallons of DI-SYSTON 8 for the 6 acre set. And, you need 20 gallons per hour X 1 hour = 20 gallons of emulsion, minus 2.25 gallons of DI-SYSTON 8 = 17.25 gallons of water for the 6 acre set.

Cleaning the Chemical Injection System: In order to accurately apply pesticides, the chemical injection system must be kept clean; free of chemical or fertilizer residues and sediments. Refer to your owners manual or ask your equipment supplier for the cleaning procedure for your injection system.

Flushing the Irrigation System: At the end of the application period, allow time for all lines to flush the pesticide through all nozzles or emitters before turning off irrigation water. To ensure the lines are flushed and free of pesticides, a dye indicator may be injected into the lines to mark the end of the application period.

Equipment Area Contamination Prevention

It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, pumps and system safety devices be plugged to prevent chemical contamination of these areas.

Center-Pivot and Automatic-Move Linear Systems: Inject the specified dosage per acre continuously for one complete revolution or move of the system. DO NOT USE END GUNS. The system should be run at maximum speed.

Solid Set and Manually Controlled Linear Systems: Injection should be during the last 30 to 60 minutes of regular irrigation period or as a separate 30 to 60 minute application not associated with a regular irrigation. DO NOT USE END GUNS.

		RECOMMENDE	ED APPLICATIONS		
CROP	INSECT	DOSAGE	REMARKS		
FIELD CROPS Barley	Aphids (including Greenbugs) Mites (except wheat	per 1000 ft of row [*] or with liquid fertilizer at plantir up to 1 pt per acre of harvest. For control of Hess a foliar application to control la areas may be beneficial.		as a soil injection in a water emulsion ting time. Do not apply within 60 days issian fly, apply at planting. In addition, later generations in southern growing ing (Inches) Fluid Ounces Per Acre	
	curl mite)		6, 7 or 8	16.0	
	Hessian fly		10	13.1	
	Thrips	Ì	12	10.9	
	}		14	9.3	
			16	8.2	
	[18	7.3	
			Do not graze or cut for forage within 30 d	ay of treatment.	
		1/2 to 1 pt per acre	FOLIAR APPLICATION: For application equipment: Apply specified dosage per a obtain thorough coverage but not less tha acre. Use the lower rates on plants up to rates should be used after plants begin to	acre in sufficient water to an 1 gallon total volume per tillering (stooling). Higher	
		For application in liquid fertilizer: Mix 1/2 to 1 pint of DI-SYSTON 8 in the amount of liquid fertilizer to be applied per acre. Apply this mixture as a top dressing with suitable ground equipment. Two foliar applications may be made, following an at-planting application, however, regardless of method of application, do not apply more than a total of 2 pints per acre of DI-SYSTON 8 per crop season. Allow a minimum of 21 days between applications of either DI-SYSTON 8 or DI-SYSTON 15G.Do not make any applications within 30 days of grain harvest.			
		Do not graze treated fields after any application of DI-SYSTON 8.			
		sistance in certain areas	b) Di-Syston used alone may not provide sate ervice for recommendations.	the second s	

	hieror -		D APPLICATIONS		
CROP	INSECT	DOSAGE	<u> </u>	REMARKS	
FIELD CROPS Continued	Aphids Mites	0.75 to 1.2 fl oz per 1000 ft of row	Read "IMPORTANT" state APPLICATIONS" for addi crop.		
band as a water emu - OR - PLANTING/REPLAN inject on each side o	(Except Western	up to maximum of 16 fl oz/A			
	flower thrips)	-OR- 9 to 16 fl oz per			
		acre			
		d treatment, DFSYSTON 8 m	ay be applied in a	pproximately a 16-inc	
	inject on each side of	TING: Apply as a wate the furrow. This appli mended for disease of	er emutsion or with liquid fertil cation may be combined with h this crop.	lizer. Spray/apply a fungicide applic	in the furrow or soil ation which is
	1 -		TING TIME APPLICATION		
Heavy Soil		Medium Soil	Light Soil		
	1.2 fl oz/1000 ít		fl oz/1000 ft	0.75 fl oz/1000	
preplant incorporate preplant or preemen SYSTON insecticida POST-PLANT : Application single post-plant application Do not graze treated West of the Rocky M	This at planting appli preplant incorporated preplant or preemerg	cation of DI-SYSTON r treatment of Comman ent herbicide application	r or 12 fl oz/acre nay be used in conjunction wi of Herbicide. Refer to the her on directions and use rates.	bicide product lab Do not reduce the	t surface applied or el for appropriate
	in a water emulsion or ication at rates up to 1	r with liquid fertilizer as a soil i pint/acre may be applied up i ly more than one soil applicat	injection on each : to 28 days ofharve		
	including Di-Syston.		opulations have developed re- perative extension service, ag		
Sorghum	Aphids	0.9 to 1.2 fl oz per	AT PLANTING APPLICAT		
(Greenbugs)	1000 ft of row up to maximum of 16 fl oz/A OR	Apply as a water emulsion approximately 1/2 inch abo seed.			
		12 to 16 fl oz per acre			
		1.2 fl oz per	AT PLANTING APPLICAT	ION: BAND	
		1000 ft OR	Apply as a water emulsion directly behind the planter :		
	ļ	16 fl oz/A	apply directly on the seed.		press writeer. Do no
		liquid application at a liquid soil application (1 soil application, gu less/acre). If followir	ring side-dress application ma planting. Foliar applications n is. A total of 3 applications n ranular or liquid, plus 2 foliar ng a soil application by one or a soil application and the first	nay be made in ac nay be made to a applications at rate two foliar applica	ldition to granular or single sorghum crop as of 8 fluid ounces o
		1.2 fl oz per	POST PLANTING APPLIC	ATION: SIDE-DF	RESS
		1000 ft OR	Apply as a water emulsion		
		16 fl oz/A	row on both sides of the fur within 45 days of use for for		n in noor stade, brit u
Sorghum Midge (Arkansas, Louisiana, Oklahoma, Texas) Banks grass mites (in Texas, excluding Trans-Pecos area, and in Oklahoma)	4 to 8 fl oz per acre	POST PLANTING APPLICATION: FOLIAR SPRAY - A maxi of 2 foliar applications may be made of rates 8 fluid ounce less/acre.		les 8 fluid ounces o	
		Apply specified dosage per thorough coverage. For ae of water per acre. Use not with ground equipment. Fo	rial application us less than 5 gallon	e not less than 1 gali s of water per acre	
	(in Texas,	8 fl oz per acre	50% of the seed heads have emerged from the boot. Make a second application 3 to 5 days later.		
	Trans-Pecos		· ·	ist Application to as of 4 to 8 Fluid	
	area, and in Oklahoma)		APPLICATION	FOR	FOR FORAGE
			SCHEDULE	GRAIN	OR FODDER
		ļ			OIL ODDEIL
			Any soil plus any foliar	34	45

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		RECOMMENDE	DAPPLICATIONS		
CROP	INSECT	DOSAGE		REMARKS	
FIELD CROPS Continued Tobacco	Aphids Flea beetles	4 pints (1/2 gallon) per acre	······································		n of 2 to 3 inches ne field application
Wheat (Fall)	Hessian fly Aphids	0.25 fl az per 1000 ft	h liquid fertilizer at		
Bird	(Greenbugs and Bird cherry-oat	up to 1 pt per acre Do not graze treated fields or cut for forage after an DI-SYSTON 8.			
	Except California)		Ounces DI-SYS	TON 8 per 1000 ft. of r	row based on
	ļ		Row Spacing	Ounces/Acre	3-inch band
			7 or 8 inch rows	15.5	0.25
			10 inch rows	13.25	0.25
			12 inch rows	10.75	0.25
			14 inch rows	9.5	0.25
			16 inch rows	8.5	0.25
			18 inch rows	7.0	0.25
			Di-Syston 8 used alone ma ervice for recommendations	· ·	ory control. Consu
Wheat	Aphids	4 to 12 fl oz per	FOR APPLICATION BY		
(Foliar	(Greenbugs)	асле	Apply specified dosage p		
Application	Mites		thorough coverage but no Use the lower rates on pl		
Spring or Fall)			should be used after plan		ang). rugnerrates
		the amount of liquid	IN LIQUID FERTILIZER: N		
		with suitable ground FALL/SPRING APPL	equipment. JCATION: one foliar applica	ation may be made in th	ne spring or fall, bu
		with suitable ground FALL/SPRING APPL only one foliar applic applications within 30	equipment. JCATION: one foliar applica ation may be made during to days of grain harvest.	ation may be made in the growing season C	ne spring or fall, bu Do not make any
		with suitable ground FALL/SPRING APPL only one foliar applic applications within 30 Do not graze treated stance in certain areas	equipment. ICATION: one foliar applic: ation may be made during the days of grain harvest. fields or cut for forage after Di-Syston 8 used alone mage	ation may be made in the he growing season C r any application of DI- ay not provide satisfacti	ne spring or fall, but Do not make any SYSTON 8.
	your local agricultural West of the Rocky Mo	with suitable ground FALL/SPRING APPL only one foliar applica- applications within 30 Do not graze treated stance in certain areas advisor or extension se- puntains, some mite populations	equipment. ICATION: one foliar applic: ation may be made during to days of grain harvest. fields or cut for forage after	ation may be made in the he growing season C r any application of DI- ay not provide satisfactor esistance to organopho	ne spring or fall, bu Do not make any SYSTON 8. ory control. Consul sphate insecticides
VEGETABLES	your local agricultural West of the Rocky Mo including Di-Syston. (for details.	with suitable ground FALL/SPRING APPL only one foliar applica- applications within 30 Do not graze treated stance in certain areas advisor or extension se- puntains, some mite populations	equipment. ICATION: one foliar applic: ation may be made during the days of grain harvest. fields or cut for forage after Di-Syston 8 used alone many price for recommendations pulations have developed re-	ation may be made in the he growing season C r any application of DI- ay not provide satisfactor. esistance to organopho gricultural advisor or Ba	ne spring or fall, bui to not make any SYSTON 8. ory control. Consul sphate insecticides ayer representative
VEGETABLES Beans	your local agricultural West of the Rocky Mo including Di-Syston.	with suitable ground FALL/SPRING APPL only one foliar applica- applications within 30 Do not graze treated stance in certain areas advisor or extension se- buntains, some mite po Consult your local coop	equipment. ICATION: one foliar applic: ation may be made during the days of grain harvest. fields or cut for forage after Di-Syston 8 used alone many arvice for recommendations pulations have developed re- erative extension service, a	ation may be made in the he growing season C r any application of DI- ay not provide satisfactor esistance to organopho gricultural advisor or Ba atement under "Recon	ne spring or fall, bu to not make any SYSTON 8. ory control. Consu sphate insecticides ayer representative
	your local agricultural West of the Rocky Mc including Di-Syston. (for details. Aphid	with suitable ground FALL/SPRING APPL only one foliar applic: applications within 30 Do not graze treated stance in certain areas advisor or extension se ountains, some mite po Consult your local coop 0.9 to 1.9 fl oz per 1000 feet up to a maximum 2 pts/A	equipment. ICATION: one foliar applic: ation may be made during the days of grain harvest. fields or cut for forage after Di-Syston 8 used alone many ervice for recommendations pulations have developed re- erative extension service, a Read "IMPORTANT" state Applications" for addition For snap or green Lima b	ation may be made in the growing season C r any application of DI- ay not provide satisfactor esistance to organopho igricultural advisor or Ba atement under "Recon onal information befor beans, apply in a water	ne spring or fall, bu to not make any SYSTON 8. ory control. Consu sphate insecticides aver representative nmended re use on this cro emulsion or with
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CROP	INSECT	DOSAGE	REMARKS
VEGETABLES	Aphids	1.1 fl oz per 1000	TRANSPLANT SEED BEDS: Apply evenly over bed area in a wate
Continued Broccoli	Flea beetles Leafhopper	ft of row (36" row spacing)	emulsion as a broadcast spray prior to seeding at the rate of 1 pint per acre. Work into the top 2 to 3 inches of soil and plant seed in
Cabbage	Aphids	up to maximum of 1 pt per acre	normal manner.
(Including tight-	Flea beetles	Ththeracie	FIELD APPLICATIONS: Apply specified dosage in a water emulsion or with liquid fertilizer as an injection on each side of the
heading varieties of Chinese cabbage)	Root aphids	2.1 ft oz per 1000 ft of row (for 36 inch row spacing) up to 2 pt per acre	seed furrow or transplanted row at planting or injected as a side- dressing after plants are established. Do not apply directly on the seed. Do not apply more than one field application per season. Do not use within 14 days of harvest for broccoli or 42 days of harvest for cabbage.
Lettuce	Aphids Leafhoppers Mites Root aphids	0.6 to 1.2 fl oz per 1000 ft of row (20° row spacing) up to maximum of 1 to 2 pt per acre	Read "IMPORTANT" statement under "RECOMMENDATIONS APPLICATIONS" for additional Information before use on this crop. CHEMIGATION: Row treatment applications as listed below may b applied through low-pressure (drip or trickle) irrigation systems.
	Thrips		Follow all directions given under Chemigation systems. Follow all directions given under Chemigation section of this label. SEEDED LETTUCE: Do not apply to transplanted lettuce. Apply all seeding or after seeding, in water or liquid fertilizer as a side-dress injection on each side of the row. Do not apply directly on the seed. Do not make more than one application per crop season. Do not apply within 60 days of harvest. Use the higher rate on heavy organic soils.
Peas	Aphids	1 to 2.5 pt per	Apply in a water emulsion or with liquid fertilizer as an in-furrow
Lentils	Leafhoppers	acre	spray or as an injection on each side of the seed furrow at planting or injected as a side-dressing after plants are established. Do not apply more than once per season nor within 50 days of harvest. Do not feed vines or hay.
Aphi Fiea (e: be Leaf Pota Sou win Colo be se rec Gree ap (E: Ro on	Aphids	3 pts per acre	SOIL APPLICATION PRE-PLANT BROADCAST: Apply specified dosage per acre as a preplant broadcast application. Incorporate to a depth of 2 to 3 inches. Plant crop in usual manner. Do not make more than one soil application of DI-SYSTON 8 per crop season regardless of method of application or formulation used Do not tank mix this product with Phosalone.
	Aphids Flea beetles (except tuber beetles)	2.25 to 3.5 fl oz per 1000 ft of row up to maximum of 3 pts/A	SOIL APPLICATION - AT PLANTING: Apply undiluted in equipment specifically designed for low volume soil injection. Or, apply as an in-furrow spray in water or in liquid fertilizer. Or, inject on each side of the seed furrow in water or in liquid fertilizer.
	Leafhoppers Potato psyllid Southern potato wireworm	OR 2 to 3 pt per acre	SOIL APPLICATION - POST PLANTING: Side-dress in water after plants are established. Do not apply within 75 days of harvest. Do not make more than 1 soil application of DI-SYSTON per crop season regardless of method of application or formulation used. Do not tank mix this product with Phosalone.
	Colorado potato beetle (early season reduction)		NOTE; Colorado potato beetle populations in the northeast states (except Maine), as well as Virginia and North Carolina, have developed resistance to insecticides, including DI-SYSTON. Consu your local extension service or Bayer sales representative for details
	Green peach aphids (East of the Rocky Mountains only)	6 to 8 fl oz per acre	FOLIAR APPLICATIONS: Using aircraft or ground equipment, apply specified dosage per acre in sufficient water to obtain thoroug coverage, but not less than 1 gallon total volume per acre. Begin applications when pest first appears. Use the higher rates for heavy infestations. Repeat as necessary, but do not apply more than 3 times per season nor within 30 days of harvest. Do not tank mix this product with Phosalone.
			Foliar applications may be made following at-planting soil treatment as recommended above or in the label for DI-SYSTON 15% Granular. Allow 14 days between all applications of DI-SYSTON.
	Green peach aphids Colorado potato beetle	3 pt per acre	SPRINKLER IRRIGATION APPLICATION - ONLY IN OREGON, WASHINGTON, IDAHO AND UTAH: A single application at the rate of 3 pints per acre may be made for control of Green peach aphid and Colorado potato beetle. Do not apply within 60 days of harvest. Application may be made following at-planting soil application as recommended on this label or the label for DI-SYSTON 15% Granular. Follow all directions given under Chemigation section of

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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 Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Kansas City Emergency Response Telephone No. is 800-414-0244, or contact Chemtrec at 800-424-9300.

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.

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