

PM03

3125-83

2/17/99

1 of 6

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

FEB 17 1999

John S. Thornton  
Director, Product Registrations  
and Regulatory Affairs  
Bayer Corporation  
Agriculture Division  
8400 Hawthorn Road  
P.O. Box 4913  
Kansas City, MO 64120-0013

Subject: Amendment - Label: Deletion of Use on Lettuce  
Di-Syston 2% Granular Systemic Insecticide  
EPA Registration No. 3125-83

Di-Syston Systemic Insecticide for Vegetables  
EPA Registration No. 3125-126

Di-Syston 15% Granular Systemic Insecticide  
EPA Registration No. 3125-172

Your submissions dated March 20, 1998

Dear Mr. Thornton:

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. Stamped copies of the labeling is enclosed for your records.

Di-Syston 2% Granular Systemic Insecticide  
EPA Registration No. 3125-83

- 1. Delete the phrase: "For terrestrial uses," from the beginning of the second sentence under Environmental Hazards. Refer to PR Notice 93-8.

CONCURRENCES							
SYMBOL	7SD5C						
SURNAME	Sproat						
DATE	2/17/99						

2. Revise the statement: "The dispose of ....by burning" to read "Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning."under Container Disposal (Except Households)

Di-Syston Systemic Insecticide for Vegetables

EPA Registration No. 3125-126

1. As indicated above, delete the phrase: "For terrestrial uses,"from the beginning of the second sentence under Environmental Hazards
2. Delete "Do not apply broadcast applications to lawns"under Restrictions. This product is not approved for use on lawns.

Di-Syston 15% Granular Systemic Insecticide

EPA Registration No. 3125-172

1. Revise the row spacing rate chart for Di-Syston 15%G to include 12 and 18 inches, at 4.5 and 3.0 Lb 15%G/Acre, respectively, under Recommended Applications for Barley

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

Sincerely,

George T. LaRocca  
Product Manager 13  
Insecticide Branch  
Registration Division (7505C)

Enclosure

cc: Philip Poli

3066

83-9118.YLD

U.S. LABEL

Base Pre-Reg (9118)

Reason to Issue: To remove lettuce from the label.

Date of Pre-Reg Draft: 03/13/98 (H)

FEB 17 1999

# Di-Syston® 2% Granular Systemic Insecticide

For use in interior plantscapes, home gardens, home greenhouses or ornamental gardens or parks.

**ACTIVE INGREDIENT:**

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

**INERT INGREDIENTS:** ..... 98%  
100%

EPA Reg. No. 3125-83

Net Weight: \_\_\_ Pounds

**STOP - Read the Label Before Use  
KEEP OUT OF REACH OF CHILDREN**

## AVISO

## WARNING

**PRECAUCION AL USUARIO:** Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

**(TO THE USER:** If you cannot read or understand English, do not use this product until the label has been fully explained to you).

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** May be fatal if swallowed or inhaled. Rapidly absorbed through skin. Do not breathe dust. Do not get in eyes, on skin or clothing. Wear rubber gloves when applying this product. Do not contaminate feed or food. Keep

out of reach of children. Wash thoroughly after handling. Food utensils such as a teaspoon or measuring cup should not be used for food purposes after use with insecticides.

### STATEMENTS OF PRACTICAL TREATMENT

**If swallowed:** Vomiting should be induced. Administer water freely and induce vomiting by giving one dose (½ oz or 15 mL) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. Have patient lie down and keep quiet. Professional medical assistance should be secured immediately. **If inhaled:** Remove victim to fresh air. Apply artificial respiration if indicated. **If on skin:**

Remove contaminated clothing and wash affected areas with soap and water. **If in eyes,** flush eyes with plenty of water. Call a physician if irritation persists.

**Note To Physician:** Disulfoton is a cholinesterase inhibitor. Atropine sulfate is antidotal only if signs of cholinesterase inhibition are present. 2-PAM is also antidotal and may be administered in conjunction with atropine.

Text being added is highlighted by redlining.

Text being deleted is highlighted by ~~strikeout~~.

**Di-Syston 2% G**

3125-83

4-016

**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 by 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**

**NOTE:** Not for use in commercial greenhouses and nurseries; on ornamental crops grown for seed; or in commercial vegetable production.

TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF BAYER AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

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

DI-SYSTON Systemic Insecticide enters the plant through the roots. The insecticide when placed near the roots, is translocated to all parts of the plant and kills sucking insects feeding on the plant.

**IMPORTANT:** Read these entire Directions and Conditions of Sale before using DI-SYSTON 2% Granular Systemic Insecticide.

The formulation of DI-SYSTON 2% Granular is highly versatile and offers many forms of application. It can be drilled, broadcast, mixed with soil, or banded in the furrow with seeds, bulbs, or transplants. Side-dressings can be applied after plant emergence. Time and method of application and limits for use are discussed in detail for each specific crop under "Remarks" below.

**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

As a pre-plant treatment for ornamental flowers and shrubs, apply granules evenly to seed bed and mix into soil; seeds or transplants are then placed in the normal manner. Established plants may be side-dressed by applying granules uniformly under foliage canopy. Mixing the granules into top soil and watering will assist entry into the plant, as the chemical will leach into the root zone for absorption.

Keep children and pets off treated areas, and do not re-enter treated areas, until product is worked into the soil and the treated areas have dried completely.

RECOMMENDED APPLICATIONS			
CROP	INSECT	DOSAGE DI-SYSTON 2% G	REMARKS
VEGETABLES Beans	Aphids Leafhoppers Mexican bean beetle (larvae) Mites Thrips	2.5 to 4.5 oz per 50 ft of row (for any row spacing*)	For snap or green Lima beans place granules in a band on each side of the seed furrow at planting time only. For dry beans apply as above at planting time or as a side-dressing on each side of the row after plants become established but not within 60 days of harvest. Do not apply directly on the seed. Do not apply more than once per season. Do not feed vines or hay.
Brussels sprouts	Aphids Leafhoppers Mites Thrips	2-1/2 oz per 50 ft of row (for any row spacing*)	Place granules in a band on each side of the seed furrow at planting time, or as a side-dress after emergence. Do not apply directly on the seed. When it is desirable to treat individual plants, apply 1 level teaspoonful DI-SYSTON 2% Granular per plant in the transplant hole. Mix granules with soil in hole prior to setting plant. Do not apply more than twice per season nor within 30 days of harvest for Brussels sprouts or 40 days of harvest for cauliflower.
Cauliflower	Aphids Flea beetles Leafhoppers		

DI-SYSTON 2% Granular Systemic Insecticide

RECOMMENDED APPLICATIONS			
CROP	INSECT	DOSAGE DI-SYSTON 2% G	REMARKS
Broccoli	Aphids Leafhoppers	2-1/2 oz per 50 ft of row (for any row spacing*)	Place granules in a band on each side of the seed furrow at planting or as a side-dressing after plants become established. Do not apply directly on the seed. When it is desirable to treat individual plants apply 1 level teaspoonful DI-SYSTON 2% Granular per plant in the transplant hole. Mix granules with soil in hole prior to setting plant. Make only 1 application per season. Do not use within 42 days of harvest for cabbage or 14 days of harvest for broccoli.
Cabbage	Aphids		
Lettuce	Aphids Leafhoppers Mites Thrips	2 to 3 oz per 50 ft of row (for any row spacing*)	Place granules in a band on each side of the seed furrow at planting time only. Do not apply directly on the seed.
Peas	Aphids Leafhoppers	2-1/2 oz per 50 ft of row (for any row spacing*)	Place granules in a band on each side of the seed furrow at planting time only. Do not apply directly on the seed. Do not feed vines or hay.
Potatoes	Aphids Flea beetles Leafhoppers Potato psyllid	6 to 9 oz per 50 ft of row (for any row spacing*)	Place granules in the seed furrow at planting or by side-dress, either alone or with fertilizer. Do not apply within 75 days of harvest. Do not mix this product with Phasolone.
ORNAMENTALS Flowers	Aphids Lace bug Leafhoppers Mites Thrips Whiteflies	8 to 16 oz per 30 feet of row (for any row spacing*)	Apply specified dosage in the furrow or as a band over the row. Work into soil and water thoroughly. The higher dosages are recommended for heavy organic or muck soil. For bedding plants apply 16 ounces of DI-SYSTON 2% Granular per 200 square feet worked into soil before planting or as a broadcast treatment after plants are established. Repeat applications at 4- to 6-week intervals if necessary. For applications to potted plants, including houseplants, use 1 rounded teaspoonful DI-SYSTON 2% Granular per 6-inch pot. Mix thoroughly with soil and drench with water.
Shrubs	Aphids Birch leafminer Camellia scale Holly leafminer Lace bug Leafhoppers Mimosa webworm Mites Pine tip moth Soft Scale ( <i>Coccus hesperidum</i> ) Tea scale Thrips Whiteflies	(See remarks)	Apply 2 to 4 rounded tablespoonfuls per foot of shrub height. For shrubs 1 to 3 feet tall, apply the lower rate and on plants 3 to 6 feet in height, apply the higher rate. Distribute the granules uniformly under the shrub canopy, work into the soil, and water thoroughly. Repeat applications at 4 to 6 week intervals if necessary.
* ON ROW CROPS WHERE ROW SPACING IS EXTREMELY NARROW, DO NOT PLACE TREATED ZONES (BAND OR FURROW) CLOSER TOGETHER THAN 6 INCHES.			

STORAGE AND DISPOSAL

**Pesticide Disposal:** Do not contaminate water, food or feed by storage or disposal.

**Household:** Securely wrap original container in several layers of newspaper and discard in trash.

**Except Household:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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.

6 of 6

DI-SYSTON 2% Granular Systemic Insecticide

Container Disposal:

Paper bag - Do not reuse bag. Discard bag in trash.

Plastic bottle - Do not reuse plastic bottle. Rinse thoroughly before discarding in trash.

Container Disposal (Except Household):

Paper bag - Completely empty bag into application equipment. The dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Plastic bottle - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**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 the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed above. 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.

