

F-512  
Ref. 2

Base Reg. (950)

U.S. LABEL-(S)

Reason to Issue: To revise restrictions  
and warning statements.

Date of Draft: 1/28/69  
Supersedes Draft Dated: 10/20/67

Reg. U.S. 8/4/67

(R)  
DI-SYSTON  
2% GRANULAR  
SYSTEMIC INSECTICIDE  
FOR HOME GARDEN USE

FOR EFFECTIVE SYSTEMIC PLANT PROTECTION

NET WEIGHT POUNDS

WARNING  
KEEP OUT OF REACH OF CHILDREN  
(See rear panel for warning  
statements)

GUARANTEE

ACTIVE INGREDIENTS:  
*O,C-Diethyl S-[2-(ethyl-  
thio)ethyl] phosphorodithioate* ... 2%

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

U.S. Patent No. 2,759,010  
Canadian Patent No. 518,967

USDA Reg. No. 3125-83

STOP - READ THE LABEL BEFORE USE

MANUFACTURED BY  
CHEMAGRO CORPORATION  
KANSAS CITY, MO.

Note: Underlined letters in chemical nomenclature should be italicized when printed,  
not underlined.

DI-SYSTON 2% Gran.

ACCEPTED  
Mar 7, 1969

DIRECTIONS FOR USE

IMPORTANT: Read these entire Directions and Conditions of Sale including the Warranty  
and Limitation of Damages provision, before using DI-SYSTON 2% Granular.

CONDITIONS OF SALE: These Directions for Use reflect the opinion of experts based on  
tests of effectiveness, of toxicity to plants and laboratory animals and of residues  
on or in food and feed under normal conditions of use. However, because of the wide  
range of conditions under which this product may be used, even though label directions  
are followed, it is impossible to eliminate all risks associated with its use because  
of abnormal conditions beyond the control of the seller. Chemagro Corporation and the  
Seller offer, and the Buyer uses, this product subject to the understanding that the  
Buyer assumes all such risks.

DI-SYSTON is a systemic insecticide entering 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.

DI-SYSTON 2% Granular formulation 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.

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. Estab-  
lished 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.

RECOMMENDED DI-SYSTON APPLICATIONS

CROP	INSECT	Ounces DI-SYSTON 2%	REMARKS
<u>VEGETABLES</u>			
<u>Beans</u>	Aphids Leafhoppers Mexican bean beetle (larvae) Mites Thrips	2.5 to 4.5 ounces per 50 feet of row (for any row spacing) -or- 55 to 100 pounds per acre (30 inch row spacing)	For snap or green Lima beans place gran- ules 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 ap- ply directly on the seed. Do not apply more than once per season.
<u>Brussels Sprouts</u>	Aphids Leafhoppers Mites Thrips	2 1/2 ounces per 50 feet of row (for any row spacing) -or- 45 pounds per acre (36 inch 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.
<u>Cauliflower</u>	Aphids Flea beetles Leafhoppers		

DI-SYSTON 2% Gran.

RECOMMENDED DI-SYSTON APPLICATIONS  
(Continued)

CROP	INSECT	Ounces DI-SYSTON 2%	REMARKS
<b>VEGETABLES (Continued)</b>			
<u>Broccoli</u>	Aphids Leafhoppers	2 1/2 ounces per 50 feet of row (for any row spacing) -or- 45 pounds per acre (36 inch 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.
<u>Cabbage</u>	Aphids	45 pounds per acre (36 inch row spacing)	
<u>Lettuce</u>	Aphids Leafhoppers Mites Thrips	2 to 3 ounces per 50 feet of row (for any row spacing) -or- 65 to 100 pounds per acre (20 inch 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.
<u>Peas</u>	Aphids Leafhoppers	2 1/2 ounces per 50 feet of row (for any row spacing) -or- 90 pounds per acre (18 inch 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.
<u>Potatoes</u>	Aphids Flea beetles Leafhoppers Potato psyllid	6 to 9 ounces per 50 feet of row (for any row spacing) -or- 100 to 150 pounds per acre (38 inch 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.
<u>Spinach</u>	Aphids Leafhoppers Leaf miners Mites Thrips	1 1/2 ounce per 50 feet of row (for any row spacing) -or- 50 pounds per acre (20 inch 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.

Mar 1, 1969  
7/25/53

DI-SYSTON 2% Gran.

RECOMMENDED DI-SYSTON APPLICATIONS  
(Continued)

CROP	INSECT	Ounces DI-SYSTON 2%	REMARKS
<b>VEGETABLES, cont'd.</b>			
<u>Tomatoes</u>	Aphids Flea beetles Leafhoppers Leaf miners Mites	6 to 9 ounces per 50 feet of row (for any row spacing) -or- 100 to 150 pounds per acre (38 inch row spacing)	Apply in a band on each side of the seed furrow at planting time only. Do not apply directly on the seed. When it is desirable to treat individual plants, apply 2 level teaspoonfuls DI-SYSTON 2% Granular per plant in the transplant hole. Mix granules with soil in hole prior to setting plant. If 2 applications are needed, use only 6 ounces per 50 feet of row per treatment applied in a band on each side of the seed furrow at planting time and as a side-dress after emergence. Do not apply within 30 days of harvest.
<b>FRUIT AND VEGETABLES</b>			
<u>Flowers</u>	Aphids Lace bug Leafhoppers Mites Thrips White flies	8 to 16 ounces 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 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 application to potted plants, use 1 rounded teaspoonful DI-SYSTON 2% Granular per 6-inch pot. Mix thoroughly with soil and drench with water.
<u>Shrubs</u>	Aphids Birch leaf miner Camellia scale Holly leaf miner Lace bug Leafhoppers Mimosa webworm Mites Pine tip moth Soft Scale (Coccus hesperidium Tea scale Thrips White flies	(See Remarks)	Apply 2 to 4 rounded tablespoonfuls 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, work into the soil, and water thoroughly. Repeat applications at 4- to 6-week intervals if necessary.

Apply this product only as specified on this label.

Mar 1, 1969

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CONTAINER DISPOSAL

DO NOT RE-USE THE CONTAINER - Completely empty the contents. Crush and dispose of empty container by burying or burning (Keep out of Smoke).

Do not use container in any connection with feed, food, and drinking water.

WARNING

Poisoning may occur as a result of exposure. May be fatal if swallowed. May be absorbed through skin. Do not breathe dust. Do not get in eyes, on skin or on clothing.

Apply this product only as specified on this label. 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. Keep children and pets off treated areas until product is worked into the soil and the treated areas have dried completely.

This product is toxic to fish and wildlife. Exposed granules on surface of ground may be hazardous to birds. Keep out of lakes, streams, and ponds.

TO PHYSICIAN:

ANTIDOTE - Atropine sulfate. 2-PAM is also antidotal and may be administered in conjunction with atropine.

WARRANTY AND LIMITATION OF DAMAGES

Chemagro Corporation warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use and Conditions of Sale; subject to the risks referred to therein. Chemagro Corporation makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY, and no agent of Chemagro Corporation is authorized to do so except in writing, with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or values, etc.

DI-SYSTON is Reg. TM in U.S. and Canadian Pat. Offs. by Farbenfabriken Bayer A.G. Chemagro Corporation licensee.

*Handwritten:* Hill 2, 1969  
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