

NET WEIGHT 80 LBS.

**ACCEPTED**

**JUL 31 1970**

UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND RODENTICIDE ACT  
FOR ECONOMIC POISON REGISTERED  
UNDER NO. 2124 SUBJECT  
TO ATTACHED COMMENTS

NURISH<sup>®</sup> GRANULATED 10-20-10

CONTAINS 0.4% \*DI-SYSTON

USDA REGISTRATION NO. 2124 - 375

STATEMENT OF INGREDIENTS FOR INSECT CONTROL

ACTIVE INGREDIENT:

O, O-diethyl S-2-(ethylthio)ethyl phosphorodithioate* . . .	0.4%
INERT INGREDIENTS . . . . .	99.60%
TOTAL . . . . .	100.00%

\*DI-SYSTON is Reg. TM in U.S. and Canadian Pat. Offs. by Farbenfabriken Bayer A.G., Chemagro Corporation licensee, U.S. Patent No.:2,759,010

STATEMENT OF INGREDIENTS AS PLANT FOOD

Total Nitrogen	10%
Available Phosphoric Acid	20%
Water Soluble Potash	10%
Potential Acidity Equivalent to 500 lbs. of Calcium Carbonate per ton.	

The principle active ingredient of this product is patented under U.S. Patent No. 2,759,010 and Canadian Patent No. 518,967 of Chemagro Corporation, Kansas City, Missouri, and the purchase includes a limited license under said patents to use or reformulate the product only in the manner provided by the recommended applications on the present label. The purchaser obligates itself to notify Chemagro Corporation of any proposed use or reformulation of such licensed product not provided by said recommended applications, and to obtain Chemagro's approval in writing before making any such use or reformulation of the licensed product. Any use, or reformulation intended for use, of the licensed product in the home and garden field is specifically prohibited by said license.

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DIRECTIONS FOR USE

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. The active ingredient is released slowly giving long protection during the plant's susceptible early life.

VEGETABLES:

BEANS: To control Aphids, Leafhoppers, Mexican bean beetle ( Larvae) . Mites and Thrips, apply at the rate of 250-500 lbs. ( 1 to 2 lbs. actual DI-SYSTON) per acre. For Snap or Green Lima Beans, apply specified dosage per acre in a band on each side of the seed furrow at planting time only. For Dry Beans apply specified dosage per acre 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 to seed. Do not apply more than once per season. Read "IMPORTANT" statement under "Recommended DI-SYSTON Applications" for additional information before use on this crop.

BRUSSELS SPROUTS & CAULIFLOWER: To control Aphids, Flea beetles, Leafhoppers, Mites and Thrips on Brussels Sprouts and Aphids. Flea beetles and Leafhoppers on Cauliflower apply 250 lbs. ( 1 lb. actual DI-SYSTON) per acre. Apply specified dosage per acre 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 to seed. Do not apply more than twice per season, nor within 30 days of harvest for Brussels Sprouts, or 40 days of harvest for Cauliflower. Allow a minimum of 21 days between applications.

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BROCCOLI AND CABBAGE: To control Aphids, Flea beetles, Leafhoppers on Broccoli and Aphids, Flea beetles on Cabbage apply 250 lbs. (1 lb. actual DI-SYSTON) per acre. To control Root aphid on Cabbage apply 375 lbs. (1 1/2 lbs. actual DI-SYSTON) per acre. Apply specified dosage per acre 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 to seed. Do not apply more than once per season. Do not use within 14 days of harvest for Broccoli or 42 days of harvest for Cabbage.

POTATOES: To control Aphids, Flea beetles (except Tuber flea beetles), Leafhoppers, Potato psyllid, Colorado potato beetle (early season reduction), Southern potato wireworm, apply at the rate of 500-750 lbs. (2 to 3 lbs. actual DI-SYSTON) per acre. Apply specified dosage per acre in the furrow or in a band on each side of the seed furrow at planting or as a side-dressing fertilizer after plants become established. Do not apply within 75 days of harvest. Higher rate to be used in organic soils.

SPINACH: To control Aphids, Leafhoppers, Mites and Thrips on Spinach, apply 250 lbs. (1 lb. actual DI-SYSTON) per acre. Apply specified dosage per acre in a band on each side of the seed furrow at planting time only. Do not apply directly on the seed.

TOMATOES: To control Aphids, Flea beetles, Leafhoppers, Leaf miners, Colorado potato beetle (early season reduction) and Mites on Tomatoes, apply 250 - 750 lbs. (1 to 3 lbs. actual DI-SYSTON) per acre. Apply maximum specified dosage per acre.

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in a band on each side of the seed furrow at planting time only. Do not apply directly to seed. Where 2 treatments are required, use only 250 to 500 lbs. per acre per treatment applied in a band on each side of the seed furrow at planting and as a side-dressing after plants become established. Allow a minimum of 21 days between applications. Do not apply within 30 days of harvest. Read "IMPORTANT" statement under "Recommended DI-SYSTON Applications" for additional information before use on this crop.

**FIELD CROPS:**

ALFALFA: To control Aphids and Mites apply at the rate of 250 lbs. (1 lb. actual DI-SYSTON) per acre. Apply specified dosage per acre by broadcast as needed. Allow a minimum time of 28 days between applications.

BARLEY AND OATS: To control Aphids and Mites, apply at the rate of 250 lbs. (1 lb. actual DI-SYSTON) per acre. Apply specified dosage per acre. Apply specified dosage per acre 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. Allow a minimum of 21 days between applications. Do not graze or cut for forage within 30 days of treatment.

CORN: To control Rootworms, apply at the rate of 250 lbs. (1 lb. actual DI-SYSTON) per acre. Apply specified dosage per acre at planting time in the starter fertilizer. Do not harvest treated corn for food, feed or ensilage within 100 days of treatment.

WHEAT: (Fall) To control Hessian Fly, apply at the rate of 250 lbs. (1 lb. actual DI-SYSTON) per acre. Apply specified dosage per acre by drilling or broadcast at planting time in the fall.

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RECOMMENDED DI-SYSTON APPLICATIONS

IMPORTANT: When used on Tomatoes, or Beans at the maximum recommended rates under adverse conditions such as extremely cool and 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 certain pre-emergent herbicides are used in conjunction with DI-SYSTON.

CONTAINER DISPOSAL

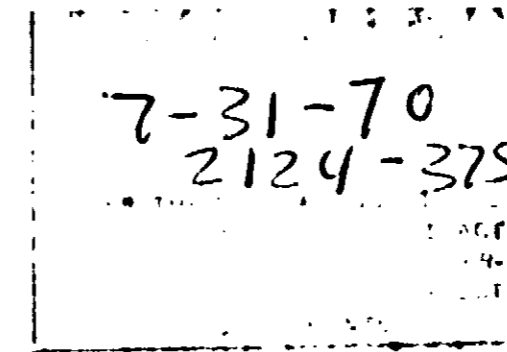
DO NOT RE-USE THE CONTAINER - Completely empty the contents and bury the unused chemical at least 18 inches deep in an isolated location away from water supplies. Burn the empty container completely. Exercise extreme caution and stay well away from the smoke.

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

(18-point) WARNING!  
(12-point) KEEP OUT OF REACH OF CHILDREN

Poisonous if swallowed, inhaled, or absorbed through the skin. Rapidly absorbed through the skin. Do not get in eyes or on skin. Do not breathe dust. Wear protective clothing and cotton or natural rubber gloves. If cotton gloves are used, they must be laundered or discarded after each day's use. Do not wear the same gloves for other work. Rubber gloves should be washed with soap and water after each use.

When using DI-SYSTON Fertilizer Mixture on Non-Food-Crops in greenhouses or other enclosed areas, wear a mask or respirator of a type approved by the U.S. Department of Agriculture for DI-SYSTON protection. Do not contaminate feed and food-stuffs. Keep all unprotected persons out of the operating area or vicinity. Wash



hands, arms and face thoroughly with soap and warm water before eating or smoking.

Wash all contaminated clothing with soap and hot water before re-use.

**SYMPTOMS OF POISONING:** A sense of "tightness" in the chest. Sweating.

Contracted pupils. Stomach pains. Vomiting and diarrhea.

**TREATMENT:** In case of poisoning call a physician immediately. Have patient lie down and keep quiet. If swallowed, induce vomiting by giving a tablespoonful of salt in a glass of warm water. Administer milk or water freely and again induce vomiting until fluid is clear. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash with flowing water for at least 15 minutes.

**ANTIDOTE:** Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance.

**TO PHYSICIAN:** 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.

This product is poisonous to fish and wildlife. Keep out of lakes, ponds, and streams. Do not apply in any manner not specified on the label.

**NOTICE:** Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the

seller. Buyer assumes all risks of use, storage or handling of this material not  
in strict accordance with directions given herewith.

Manufactured by

W. R. GRACE & CO.  
AGRICULTURAL CHEMICALS  
MEMPHIS, TENNESSEE

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