



DISULFOTON 15G SYSTEMIC INSECTICIDE

FOR USE BY PROFESSIONAL APPLICATORS OR COMMERCIAL GROWERS. NOT FOR HOME OR GARDEN USE.

ACTIVE INGREDIENT:

0,0 Diethyl S [2 (ethylthio) ethyl] pho-phorodithioate 15%

INERT INGREDIENTS 85%

TOTAL 100%

EPA Reg No 2749-233
Net Weight

KEEP OUT OF REACH OF CHILDREN



ANTIDOTE IS ATROPINE SULFATE

DANGER 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 DISULFOTON 15G INSECTICIDE ON NON-FOOD CROPS IN GREENHOUSES OR OTHER ENCLOSED AREAS, WEAR A MASK OR RESPIRATOR OF A TYPE APPROVED BY THE U.S. BUREAU OF MINES FOR PROTECTION FROM DISULFOTON 15G. DO NOT CONTAMINATE FEED OR FOOD. KEEP OUT OF REACH OF CHILDREN. 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 REUSE.

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 VOMIT 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.

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 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.

THIS PRODUCT IS TOXIC TO FISH, BIRDS AND OTHER WILDLIFE IN TREATED AREAS. MAY BE KILLED. KEEP OUT OF LAKES, STREAMS, PONDS AND TIDAL MARSHES AND ESTUARIES. DO NOT APPLY WHERE RUNOFF IS LIKELY TO OCCUR. DO NOT APPLY WHEN WEATHER CONDITIONS FAVOR DRIFT FROM AREAS TREATED. DO NOT CONTAMINATE WATER BY CLEANING UP EQUIPMENT, OR DISPOSAL OF WASTES. SHRIMP AND CRAB MAY BE KILLED AT APPLICATION RATES RECOMMENDED ON THIS LABEL. DO NOT APPLY WHERE THESE ARE IMPORTANT RESOURCES. APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL.

CONTAINER DISPOSAL: DO NOT REUSE THE CONTAINER. COMPLETELY EMPTY THE CONTAINER AND BURY THE UNUSED CHEMICAL AT LEAST 18 INCHES DEEP IN AN UNOCCUPIED 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.

RESTRICTIONS NOT FOR HOME OR GARDEN USE. IN COMMERCIAL TOPPING OF FLOWERS BY HAND, CLEAN CLOVES SHOULD BE WORN. 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 TREAT FOOD CROPS GROWN IN THE GREENHOUSE.

THIS PRODUCT IS HIGHLY TOXIC TO BEES EXPOSED TO DIRECT TREATMENT OR RESIDUES ON CROPS. PROTECTIVE INFORMATION MAY BE OBTAINED FROM YOUR COOPERATIVE AGRICULTURAL EXTENSION SERVICE.

DIRECTIONS FOR USE:

CROP	INSECT	DISULFOTON 15G	REMARKS
FIELD CROPS	Aphids Mites	6.7 pounds per acre	Apply by broadcast treatment as needed. Allow a minimum of 28 days between applications. Broadcast at planting prior to growth in spring or during the growing season.
Clover	Aphids Mites	6.7 pounds per acre	Apply by broadcast treatment as needed but not within 7 days of harvest or grazing. Allow a minimum of 28 days between applications.
Barley Oats	Aphids Mites	6.7 pounds per acre	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. Allow a minimum of 21 days between applications. Do not graze or cut for forage within 30 days of treatment.
Corn	Rootworms Aphids Leathoppers Mites Thrips	8 ounces per 1000 feet of row or 6.7 pounds per acre (40 inch row spacing)	Corn Rootworms: For control of rootworms, place the granules in a 4 to 6-inch band directly behind the planter shoe in front of the press wheel. Do not place granules in direct contact with the seed. A second application of granules may be applied to the soil as a side dress treatment later in the season. Aphids, Mites, Thrips and Leathoppers: For control of these insects apply granules to the soil as a side dress treatment or to the foliage by broadcasting into the whorl. Do not apply Disulfoton 15G Granular within 40 days of harvesting for food, feed, or ensilage.
RATE CHART FOR PLANTING TIME APPLICATION			
		Heavy Soils: 8 oz. 15' Gran. 1000 ft. of row 6.7 lbs. 15' Gran. acre	
		Medium Soils: 6 oz. 15' Gran. 1000 ft. of row 5.0 lbs. 15' Gran. acre	
		Light Soils: 4 oz. 15' Gran. 1000 ft. of row 3.3 lbs. 15' Gran. acre	
Note: Plant (irrigated cotton only). If an additional treatment is necessary, make one side dress application or a single broadcast application over the foliage. Rates up to 13.3 pounds per acre can be applied to first spraying within 90 days before harvest and rates up to 6.7 pounds per acre can be applied to within 28 days of harvest. Do not apply more than twice per season. Allow a minimum of 21 days between applications. Read "IMPORTANT" statement for additional information before use on this crop.			
		13.3 to 26.7 pounds per acre (20 inch row spacing)	Uniformly spread the granules in a 6-inch square area at the base of each plant. For standard 7 ft by 7 ft spacing, the recommended application rate is 13.3 to 26.7 pounds per acre. Apply granules just prior to planting. The application should be made with a granule spreader or broadcast applicator.

CROP	INSECT	DISULFOTON 15G	REMARKS
Peanuts	Aphids Leathoppers Mites Thrips	6.7 to 13.3 pounds per acre (36 inch row spacing)	Place the granules in a band on each side of the seed furrow at planting, or as a side dressing after plants are established. Do not apply directly on the seed. Where necessary, granules may be applied in a band over the row or as a side dressing at pegging time. Do not feed treated vines to livestock. Do not hogging of treated peanuts.
Rice	Leathoppers	13.3 lbs. per acre	Apply as a broadcast application at planting or prior to flooding. Do not apply more than twice per season nor within 100 days of harvest.
		6 to 8 ozs per 1000 feet of row or 5 to 6.7 pounds per acre (40 inch row spacing)	Application at 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.
Sorghum	Aphids (Greenbugs)	8 ozs per 1000 feet of row or 6.7 pounds per acre (40 inch row spacing)	Application at Planting, Band: Place the granules in a 4 to 6-inch band directly behind the planter shoe in front of the press wheel. Do not apply directly on the seed. See "NOTE" below. Post Planting Application, Whorl: Apply specified dosage by broadcasting into the whorl. Do not apply more than once per crop season, nor within 30 days of harvest of grain or 14 days of harvest for forage on fodder. See "NOTE" below.
NOTE: If an at planting application has been made, do not make any post plant applications into the whorl.			
Soybeans	Thrips (except flour thrips) Mexican bean beetle	6.7 pounds per acre (36 inch row spacing)	Place the granules in a 4 inch band over the seed furrow behind the planter shoe and in front of the press wheel or in a band on each side of the seed furrow at planting time. Do not apply directly on the seed.
Sugar Beets	Aphids Leathoppers Mites	6.7 pounds per acre (30 inch row spacing)	Place the granules in the seed furrow 2 inches under the seed or in a band on each side of the seed furrow at planting or apply to foliage and crown after emergence. Do not apply directly on the seed. Do not apply more than 3 times per season nor within 30 days of harvest. Allow a minimum of 21 days between applications. Read "IMPORTANT" statement for additional information before use on this crop.
Sugar Beets (North Dakota & Minnesota Only)	Root maggot	6.7 pounds per acre (22 inch row spacing)	Apply in a 4 to 6-inch band directly behind the planter shoe in front of the press wheel. The granules should be placed approximately 1 inch above the seed. Do not allow granules to come into direct contact with the seed. Read "IMPORTANT" statement for additional information before using on this crop.
Tobacco	Aphids Fly Beets	FIELD APPLICATION: 20 to 40 oz per 1000 ft. of row or 13.3 to 26.7 lbs per acre broadcast or with 48 inch row spacing. TRANSPLANT BEDS: 1 oz per 100 square feet of bed	Apply in a 6 to 12 inch band over the row or as a 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. Do not make more than 3 field applications per crop season regardless of DISULFOTON 15G formulation used. Apply evenly over bed area. Work the granules into the top 2 to 3 inches of soil and seed beds in normal manner. An alternative treatment may be made by broadcasting the granules evenly over the plants after emergence and watering thoroughly. Do not make more than one application to transplant beds.
Southern Potatoes	Hessian Fly	13.3 to 26.7 lbs per acre	When applied as described for FIELD APPLICATION above, DISULFOTON 15G will aid in control of this weevil.
Wheat Head	Hessian Fly	6.7 pounds per acre	Apply by drilling or broadcast at planting time in the fall. Do not graze for 30 days following treatment.
Soybeans	Aphids Leathoppers Mites Thrips	8 ounces per 1000 feet of row or 6.7 pounds per acre (40 inch row spacing)	Place the granules in a band on each side of the seed furrow at planting or as a side dressing after plants are established. Do not pasture or use treated crops for food or forage. Do not apply directly on the seed.

CROP	INSECT	DISULFOTON 15G	REMARKS
FRUIT (Puerto Rico Only)	Leaf miner	2 to 4 grams per foot 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.
Pineapple	Mealybug	16.7 lbs per acre	Apply as a broadcast application, or typically by base leaf feeding after plants have developed root systems. Repeat as necessary but not more than twice per crop period nor within 60 days of harvest. When two treatments are used, do not use foliage less than one year after last application.
NON BEARING FRUIT			
Fruit Trees (Apples, Apricots, Cherries, Crabapples, Peaches, Pears, Plums, Prunes)	Aphids Lace Bug Leathoppers Mites Thrips Whiteflies	2.5 to 27 oz per tree or 2.5 ounces per inch of trunk diameter	Spread granules uniformly from trunk to drip line on all sides. Work into soil and water thoroughly. The higher dosage is recommended for heavy organic or muck soils. For transplanting, equivalent quantities should be applied into planting hole. Do not apply to trees that will bear fruit during current crop year.
Strawberries (Propagating Plants only)	Aphids (except Cyclamen mite)	17 to 34.4 ozs per 1000 ft of row or 13.3 to 26.7 lbs per acre (42 inch row spacing)	Apply by side dressing on each side of the row or by broadcasting over the row as needed. Do not use fruit from treated plants for food purposes.
NUTS (Pecans (South Central & South western states) (Note 1))	Aphids	10 to 20 pounds per acre	Apply by treating 6-foot bands of soil on both sides of the trees. The bands should be located under the main drip area of the trees. Work the granules into the upper 2 to 3 inches of soil. On irrigated pecans, apply water as soon as possible after treatment. Make only 1 application per season. Early spring treatment is recommended. Do not harvest nuts within 80 days of treatment.
VEGETABLES			
Beans	Aphids Leathopper Mexican bean beetle (larvae) Mites Thrips	6.7 to 13.3 lbs per acre (30 inch row spacing)	For snap or green Lima beans, place the 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. Read "IMPORTANT" statement for additional information before use on this crop.
Brussels Sprouts	Aphids Fly Beets Leathopper Mites Thrips	FIELD APPLICATIONS: Place the granules in a band on each side of the seed furrow or transplanted row at planting and where necessary as a side dressing after plants become established. Do not apply directly on the seed. Do not apply more than 3 field applications per crop season regardless of DISULFOTON 15G formulation used. Allow a minimum of 21 days between applications.	
Cauliflower	Aphids Fly Beets Leathopper Mites Thrips	6.7 pounds per acre (36 inch row spacing)	FIELD APPLICATIONS: Place the granules in a band on each side of the seed furrow or transplanted row at planting or as a side dressing after plants become 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 cabbage or 12 days of harvest for cabbage.
Broccoli	Aphids Fly Beets Leathopper	6.7 pounds per acre (36 inch row spacing)	FIELD APPLICATIONS: Place the granules in a band on each side of the seed furrow or transplanted row at planting or as a side dressing after plants become 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 cabbage or 12 days of harvest for cabbage.
Cabbage	Aphids Fly Beets Leathopper	6.7 pounds per acre (36 inch row spacing)	FIELD APPLICATIONS: Place the granules in a band on each side of the seed furrow or transplanted row at planting or as a side dressing after plants become 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 cabbage or 12 days of harvest for cabbage.
Root Crops	Aphids	11.3 oz per 1000 feet of row	SPRING OR SUMMER SEEDED LETTUCE: Use the higher rate on heavy organic soils. Place the granules in a band on each side of the row at seeding time only. Do not apply directly on the seed. Do not apply to transplants. Do not use within 14 days of harvest for lettuce.
Lettuces	Aphids Leathopper Mites Thrips	6.7 to 13.3 lbs per acre (20 inch row spacing)	FALL OR WINTER SEEDED LETTUCE: Apply as a side dressing at planting time. Do not apply within 14 days of harvest. Read "IMPORTANT" statement for additional information before use on this crop.

