

184-6702.YLD

Base Pre-Reg. (6702)

U.S. LABEL

Reason to Issue: To add birdsfoot trefoil to the label. 9/14/88 Draft: To remove birdsfoot trefoil from the Seed Field Crop section. 5/12/89 Draft: Show entire label draft.

Date of Draft: 5/12/89 (Pre-Reg)(T)
Supersedes Pre-Reg Draft Dated: 9/14/88

EPA Reg. No. 3125-184

DYLOX[®]
80% SOLUBLE POWDER
CROP INSECTICIDE

ACCEPTED
SEP 19 1989
Under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act, the undersigned hereby certifies that the pesticide registered under EPA Reg No. 3125-184

FOR MORE EFFECTIVE INSECT CONTROL

NET WEIGHT POUNDS

KEEP OUT OF REACH OF CHILDREN

DANGER

ACTIVE INGREDIENT:
Dimethyl (2,2,2-trichloro-1-hydroxyethyl) phosphonate ... 80%
INERT INGREDIENT 20%
100%

(See Rear Panel for Statements of Practical Treatment and Other Precautionary Statements)

EPA Reg. No. 3125-184
EPA Est. 3125-MO-1

PELIGRO
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.)

STOP - READ THE LABEL BEFORE USE

MOBAY CORPORATION
A Bayer USA INC. COMPANY
AGRICULTURAL CHEMICALS DIVISION
Box 4913, Kansas City, Mo. 64120

2027

DYLOX 80% Soluble Powder Insecticide

DIRECTIONS FOR USE

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

IMPORTANT: Read these entire Directions and Conditions of Sale before using DYLOX 80% Soluble Powder crop 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. MOBAY 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 MOBAY AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

DYLOX insecticide offers the unique advantage of not significantly affecting beneficial insects (parasites, predators, and pollinators) especially when applied at the minimum recommended rates per acre. Thus, DYLOX supplements the natural control factors, instead of destroying them. This advantage is lost when DYLOX is used in conjunction with parathion or other non-selective insecticides. Accordingly, for most effective and most economical control, DYLOX should not be used in conjunction with or alternated in, a spray schedule with pesticides destroying parasites, predators, and other beneficial insects. This applies to alfalfa and cotton in particular. While DYLOX is not recommended for the control of aphids, mites, and cabbage looper, some suppression of these pests may result from recommended dosages.

MIXING: DYLOX 80% Soluble Powder insecticide dissolves readily in water and is suitable for use in all power-operated ground sprayers and aircraft sprayers. To dissolve in water, pour the required amount of DYLOX 80% Soluble Powder into full amount of water and then agitate. Use immediately after mixing. It is recommended that DYLOX 80% Soluble Powder be used in sprayers equipped with 50 mesh screens. If 100 mesh screens are used, some screen clogging may occur.

Do not apply this product through any type of irrigation system.

DOSAGE: Use specified dosage of DYLOX 80% Soluble Powder in the amount of water necessary to give complete coverage of foliage. The type of equipment used will determine the concentration required.

SPRAYING: Complete coverage and thorough application are essential for most effective results. Schedule applications in accordance with local conditions. Consult your State Agricultural Extension Service or Experiment Station for specific timing of applications in your area.

NOTE: Spray droplets from applications of DYLOX 80% Soluble Powder may cause spotting of paint finishes on aluminum and steel siding, automobiles, trucks and tractors. Do not allow spray droplets to contact metal painted surfaces. If accidental exposure does occur, the painted surface should be thoroughly washed immediately after exposure.

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RECOMMENDED APPLICATIONS

CROP	INSECT	Ounces DYLOX 80% SP	REMARKS
FIELD CROPS Alfalfa Clover (Including mixed stands with grasses)	Alfalfa caterpillar	7-1/2 to 10	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Three applications may be made per cutting with the last application up to the day cutting.
	Alfalfa webworm	5 to 20	
	Western yellow-striped armyworm	10	
	Beet armyworm Leafhoppers Variegated cutworm	10 to 20	
	Armyworm Alfalfa plant bug Lygus bugs Stink bugs Tarnished plant bug	20	
Corn Field, Sweet, Popcorn	Armyworms Cutworms	10 to 20	Apply specified dosage per acre in sufficient water for complete coverage but not less than 1 gallon per acre. Three applications may be made per season. For early application when plants are 3 to 12 inches high, direct the spray to the lower portions of plants and to the soil around the base of the plants. Later applications may be made as full coverage spray up to day of harvest.
Birdsfoot trefoil	Armyworms Lygus bugs Stink bugs Variegated cutworm	20 to 30	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary up to 7 days before harvest. Chaff and hay may be used for feed or forage; however, <u>do not</u> cut green crop for these purposes. NOTE: Due to lygus bug resistance in certain areas, DYLOX used alone may not provide satisfactory control. Consult your local agricultural advisor or Extension Service for recommendations

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**RECOMMENDED APPLICATIONS
(Continued)**

CROP	INSECT	Ounces DYLOX 80% SP	REMARKS
FIELD CROPS (Cont.)			
Cotton	Cotton fleahopper	5 to 20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Do not pasture treated fields within 14 days of application. Do not apply within 7 days of picking. DYLOX application may occasionally cause marginal leaf burn. Note: For control of light to moderate infestation of cotton fleahoppers, use 5 ounces of DYLOX 80% SP per acre. Higher rates may be required if heavy infestations or migrations occur.
	Cotton leafworm Darkling ground beetle Western yellow-striped armyworm	10 to 20	
	Beet armyworm Southern garden leafhopper	20	
	Black fleahopper complex Cotton leaf perforator Leaf roller Lygus bugs Stink bugs	20 to 30	
	Salt-marsh caterpillar	30	
Tobacco	Budworm Hornworm	20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. For budworm control make application directly into bud. Repeat as necessary. Do not treat within 3 days of harvest.
	Green June Beetle larvae	10	Apply specified dosage in 100 gallons of water per 100 square yards to uprooted areas of plant beds.
SEED FIELD CROPS			
Alfalfa Clover	Armyworms Lygus bugs Stink bugs Variegated cutworm	20 to 30	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary up to 7 days before harvest. Chaff from alfalfa and clover seed crop may be used for feed or forage; however, <u>do not</u> cut green crop for these purposes. Do not pasture or use treated soybeans for feed, food, forage, or oil purposes. NOTE: Due to lygus bug resistance in certain areas of alfalfa and clover, DYLOX used alone may not provide satisfactory control. Consult your local agricultural advisor or Extension Service for recommendations.
Soybeans	Armyworms Dipterous leaf miners Lygus bugs Stink bugs Variegated cutworm		

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RECOMMENDED APPLICATIONS

CROP <u>FRUIT</u>	INSECT	Ounces DYLOX 80% SP	REMARKS
Blueberries	Spaworm	16	Apply specified dosage per acre using sufficient water for complete coverage, but not less than 1 gallon per acre. Make a prebloom application as soon as insects appear. A second application may be made during bloom but not less than 7 days after first application. Do not apply after bloom stage.
<u>VEGETABLES</u>			
Pumpkin	Variegated cutworm	10 to 20	Apply specified dosage per acre in sufficient water for complete coverage but not less than 1 gallon per acre. Do not apply more than 3 times per season nor within 3 days of harvest.
	Squash bug	20	
Table Beets	Variegated cutworm	10 to 20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 28 days of harvest. Do not eat tops.
	Alfalfa webworm Beet webworm	20	
	Dipterous leaf miners Salt-marsh caterpillar		
	Beet armyworm Lygus bugs	20 to 30	
Tomatoes	Serpentine leaf miners Tomato hornworms Dipterous leaf miners	20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 21 days of harvest.

PREMISE SPRAY FOR FLY CONTROL:

For Fly Control in and Around Farm Buildings (Except Dairy Barns and Poultry Houses): Mix 5 pounds of DYLOX 80% Soluble Powder in 40 gallons of water (equivalent to 5 level tablespoonfuls per gallon). Thoroughly wet all areas to be treated by spraying 1 gallon per 500 square feet of surface area or to the point of run-off. Apply to floors, walls, ceiling, around windows, doors, and other areas where flies congregate. Also spray stock pens (after removal of animals), garbage areas, and other locations where refuse has collected. Repeat applications every 1 to 2 weeks or as fly populations increase. For longer residual control, add 1 pound of sugar to each gallon of spray solution.

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RESTRICTIONS (Premise Spray)

Remove animals before spraying barn. Do not treat portions of buildings where poultry feed. Direct application to walls, floors, or other surfaces previously treated with lime, whitewash, or other alkaline materials may be ineffective. Do not contaminate feed, water, or milk-handling equipment.

RATE/ACRE IN OUNCES OF DYLOX 80% S.P.	POUNDS OF DYLOX 80% S.P. TO TREAT:		
	5 ACRES	10 ACRES	15 ACRES
5	1-1/2	3-1/8	4-2/3
7-1/2	2-1/3	4-2/3	7
8	2-1/2	5	7-1/2
10	3-1/8	6-1/4	9-3/8
16	5	10	15
20	6-1/4	12-1/2	18-3/4
30	9-3/8	18-3/4	28-1/8

NOTE: When using a more convenient whole number or fraction of pounds of formulated material, do not exceed maximum registered rate.

RESTRICTIONS

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.

DO NOT ALLOW DYLOX SPRAY TO DRIFT ONTO SORGHUM. TO DO SO MAY CAUSE BURNING OF THE SORGHUM OR MILO.

Keep children and pets off treated areas until spray deposit has dried.

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RE-ENTRY STATEMENTS

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not reenter treated fields within 24 hours unless protective clothing is worn. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

(The following may appear on supplemental labeling accompanying the product)
Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings should include those statements found under the label heading "Precautionary Statements" and "Re-entry Statements" included on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: DANGER, area treated with DYLOX 80% Soluble Powder on (date of application). Do not reenter treated fields within 24 hours unless protective clothing is worn. 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. If swallowed, vomiting should be induced. (See Precautionary Statements on label).

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes irreversible eye damage. May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some people.

Do not get in eyes or on clothing. Avoid breathing dust and avoid contact with skin. Wear goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling, and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

STATEMENTS OF PRACTICAL TREATMENT

If in eyes: Hold eyelids open and flush with plenty of water for 15 minutes. Seek medical attention immediately. If on skin: Remove contaminated clothing. Wash affected areas with plenty of soap and water. Get medical attention if irritation develops and persists. If signs of intoxication (poisoning) occur, get medical attention immediately. If inhaled: First, remove victim to fresh air or uncontaminated area. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention as soon as possible. If swallowed: Call a physician or Poison Control Center. If medical assistance cannot be given immediately, induce vomiting and get to a hospital. To induce vomiting, administer 1 or 2 glasses of water and stick finger down throat. Repeat until vomitus is clear. Or, if available, administer syrup of ipecac (1/2 oz. or 15 ml.). If vomiting does not occur within 5 to 10 minutes, administer a second dose of ipecac. Do not attempt to give anything by mouth or induce vomiting in an unconscious or convulsing person.

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NOTE 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, autonomic nervous system, and skeletal muscle. Do not give morphine. Watch for pulmonary edema which may develop in serious cases of poisoning even after 24 to 48 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

In case of poisoning, it is also requested that Mobay Corporation, Agricultural Chemicals Division, Kansas City, Missouri, be notified. Telephone 816-242-2000 or 816-242-2582 (weekends).

ENVIRONMENTAL HAZARDS

PROTECT WILDLIFE !!

This pesticide is toxic to fish and wildlife and is extremely toxic to aquatic invertebrates. Apply the product in strict accordance with label directions. Do not apply when weather conditions favor drift from areas treated. Do not apply to water or wetlands. Do not apply where runoff is likely to occur. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. In cleaning of equipment or disposal of wastes, do not contaminate water.

STORAGE AND DISPOSAL

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

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Do not use container in connection with food, feed, or drinking water. Completely empty bag into application equipment. Then 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.

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 Mobay Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Mobay Kansas City Emergency Response Telephone No. is 816-242-2582, or contact Chemtrec at 800-424-9300.

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