

AZINPHOS METHYL

50W

(COTNION-METHYL)

ACCEPTED
with COMMENTS
In EPA Letter 11-11

APR 1 1977

AGRICULTURAL INSECTICIDE

For control of certain insect pests on field crops, fruit, vegetable crops, nuts and certain ornamental plantings.

Active Ingredient:

O,O-Dimethyl S-[(4-oxo-1, 2,3-benzotriazin-3(4H)-yl) Methyl] phosphorodithioate 50%

Inert Ingredients 50%

Total 100%

DANGER



POISON

KEEP OUT OF REACH OF CHILDREN

Statement of Practical Treatment

If swallowed—administer milk or 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 15 minutes, administer second dose. If syrup of ipecac is not available induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Professional medical assistance should be secured immediately.

If inhaled—remove from contaminated area and have patient lie down and keep quiet.

If on skin—remove contaminated clothing and wash skin immediately with warm soap and warm water.

If in eyes—wash with plenty of water. If irritation persists get medical attention.

See side panel for additional precautionary statements.

Warranty Statement: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instruction or under abnormal conditions or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

STORE IN A COOL, DRY PLACE.

EPA Reg. No. 46077-7
EPA Est. No. 11678-IS-01

Net weight: 2.5 pounds (1.13 kg.)

Distributed by:

PESTICIDE ADVISORY SERVICE
37 Midvale Road
Hartsdale, N.Y. 10532

3/83

See side panel

SIDE PANEL

PRECAUTIONARY STATEMENT HAZARDS TO HUMANS (& DOMESTIC ANIMALS) DANGER

Poisonous if swallowed, inhaled, or absorbed through the skin. Do not get in eyes or on skin. Do not breathe dust or spray mist. Spray operator should work to windward to stay out of drift or mist.

When loading spray tank or handling the powder at any other time, wear protective clothing, natural rubber gloves and goggles.

Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11.

Do not contaminate feed or foodstuffs. Keep out of reach of children and domestic animals. Keep all unprotected persons out of the operating area or vicinity where there may be danger or drift. 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.

RESTRICTIONS: Do not use on other crops used for food or forage. Use only according to label directions. Application rates above those shown may result in illegal crop residues. Do not graze livestock in treated orchards or groves for 21 days after treatment. Do not treat food crops grown in the greenhouse. Keep out of any body of water. 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 of equipment or disposal of wastes.

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.

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 case of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish, birds and other wildlife. Do not apply directly to water. 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 of equipment or disposal of wastes. Apply this product only as specified on this label.

DIRECTIONS FOR USE

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

Workers entering treated fields within 24 hours must wear protective clothing.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool dry place.

PESTICIDE DISPOSAL: Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to applicable Federal, State and local procedures.

CONTAINER DISPOSAL: Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of bags in a sanitary landfill or by incineration if allowed by state and local authorities.

GENERAL INFORMATION

MIXING: AZINPHOS METHYL 50W mixes easily with water to form a suspension which is readily usable in all conventional ground spray equipment. Mix the required amount of AZINPHOS METHYL 50W with a small quantity of water. Add this premix through the screen while filling the spray tank or fill the tank to the required level and add the premix. Operate the agitator while mixing.

DOSAGE: Use specified dosage of AZINPHOS METHYL 50W in the amount of water necessary to give complete coverage of the foliage. The type of equipment used will determine the concentration required.

SPRAYING: Work to windward. Protect sprayer operators from drift or mist. When low volumes of spray are applied, complete coverage and thorough application are essential for most effective results. Schedule applications in accordance with local conditions. Consult your State Agricultural Experiment Station or Extension Service for specific information in your area.

SEED CROPS: Applications at the rates shown may be made at any time to all crops listed on this label provided they are being grown for seed purposes only and are not to be used for food, feed or forage. For specific recommendations regarding timing of applications, consult your State Agricultural Experiment Station or Extension Service.

RECOMMENDATIONS FOR USE

Rates given below in text of label are expressed in pounds Azinphos Methyl 50W per acres.

FIELD CROPS

Alfalfa, Clover: Leafhoppers, mites, ½ to 1 lb.; Alfalfa weevil, Egyptian alfalfa weevil, ¾ to 1½ lbs.; Alfalfa plant bug, Fleahopper, Grasshoppers, Lygus bugs, Spittlebug, 1 to 1½ lbs.

Remarks: Apply specified dosage per acre using a minimum of 10 gallons of water per acre. It may be necessary to use 20 to 25 gallons of water per acre on heavy growth for control of alfalfa weevil or Egyptian alfalfa weevil with ground equipment. Do not apply within 14 days of harvest at the rates of ½ to ¾ pounds

See other side panel



BACK PANEL

Remarks: Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 200 gallons of finished spray per acre. A single application per year may be applied up to within 7 days of picking. Where 2 applications are required the second spray should not be applied within 28 days of harvest. Do not apply more than twice per fruit year. Do not pick fruit or do other work involving contact with the tree, such as pruning, within 7 days of treatment.

Grapes: Grape berry moth, Grape cane gnawers, Grape mealy bug, Leafhoppers, Mites, Red-banded leaf rollers, Thrips. 1/2 to 1 lb.
Remarks: Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 300 gallons of finished spray per acre. Repeat as necessary but not more than 3 times per season. Minimum dosage specified may be applied up to harvest. Higher rates up to 1 1/2 pound require a 10 day interval to harvest and above 1 1/2 pound a 28-day interval to harvest.

Strawberries: Aphids, Meadow spittlebug, Oblique banded leaf roller, Obscure root weevil, Omnivorous leaf tier, Pea leaf weevil, Small Black (grass) weevil, Strawberry leaf miners, Whitefly. 1 lb.
Remarks: Apply specified dosage in 200 gallons of water per acre as a full coverage spray*. Repeat as necessary. Do not apply within 5 days of harvest.

NUTS

Almonds: Peach twig borer. 3/4 to 1 lb.
Remarks: Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 500 gallons of finished spray per acre. Do not apply more than twice per season nor within 60 days of harvest. Allow 30 days between applications.

Filberts (Pacific Northwest only): Apple mealybug, Filbert aphid, Filbert leaf roller, Filbertworm. 1/2 to 1 1/2 lbs.
Remarks: Apply specified dosage in 100 gallons of water as a full-coverage spray*, using not more than 1000 gallons of finished spray per acre. Repeat as necessary. Do not apply within 30 days of harvest. Do not graze livestock in treated groves for 21 days after treatment.

Pecans: Aphids, Fall webworm, Hickory schuckworm, leaf miners, May beetles, Mites, Pecan casebearer, Southern green stink bug, Spittlebugs, Twig girdlers, Walnut caterpillars. 1/2 to 1 1/2 lbs.
Remarks: Apply specified dosage in 100 gallons of water as a full-coverage spray* using not more than 1800 gallons of finished spray per acre. Repeat as necessary. Do not apply after husks split. Where more than 11 1/4 pounds of Azinphos Methyl 50% WP are applied per acre in single application, do not graze livestock in treated groves. Where 11 1/4 pounds or less of Azinphos Methyl 50% WP are applied per acre, livestock may be grazed in treated groves after a 21-day post-treatment interval.

Walnuts: Aphids, Codling moth, European red mite, Filbertworm, Navel orangeworm. 3/4 to 1 1/2 lbs.
Remarks: Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 1100 gallons of finished spray per acre. Repeat as necessary. Do not apply after husks split. Do not graze livestock in treated groves for 21 days after treatment.

VEGETABLES

Artichokes: Plum moth. 3 lbs.
Remarks: Apply specified dosage per acre in sufficient water for complete coverage. Repeat as necessary. Do not apply within 30 days of harvest. Do not feed or ensile treated forage.

Beans (dry & snap): Leaf rollers, Mites, 1/2 to 1 lb. Aphids, Bean leaf beetle, Green cloverworm, Leafhoppers, Leaf miners, stink bugs, Velvet bean caterpillars. 1/2 to 1 lb. Mexican bean beetle, Spotted cucumber beetle, Striped cucumber beetle, Tarnished plant bug, Western striped cucumber beetle. 1 lb.
Remarks: Apply specified dosage per acre in sufficient water for complete coverage. Repeat as necessary. Do not apply to snap beans within 7 days of harvest nor to dry beans within 30 days of harvest. Do not exceed 4 applications on dry beans. Do not feed or ensile treated forage.

Broccoli, Brussels sprouts, Cabbage, Cauliflower, Asparagus: Cabbage looper, Diamondback moth, Imported cabbage worm. 1 to 1 1/2 lbs.
Remarks: Apply specified dosage per acre in sufficient water for complete coverage. Repeat as necessary. Do not apply within 7 days of harvest for brussels sprouts, 15 days of harvest for broccoli and cauliflower, nor within 21 days of harvest for asparagus.

Cabbage maggot: 1 to 1 1/2 lb.
Remarks: Apply specified dosage in 50 gallons of water. Apply 4 to 6 ounces of this emulsion per plant after the first heavy watering.

Cabbage maggot (Direct seeded field): Cabbage maggot. 1 lb.
Remarks: Apply specified dosage per acre in sufficient water for complete coverage. Do not apply more than 4 applications per acre. Do not spray in the seed row at planting time. Use a 1/2 inch broadcast spray after emergence during the growing season, depending on time of year and maggot population. Do not apply within 21 days of harvest.

Cauliflower maggot: Cabbage maggot. 1 lb.
Remarks: Apply specified dosage in 50 gallons of water. Apply 4 to 6 ounces of this emulsion per plant after the first heavy watering.

Celery: Aphids, Leaf miners, Leafhoppers, Leaf rollers, Thrips. 1/2 to 1 lb.
Remarks: Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 200 gallons of finished spray per acre. Repeat as necessary but not more than 3 times per season. Minimum dosage specified may be applied up to harvest. Higher rates up to 1 1/2 pound require a 10 day interval to harvest and above 1 1/2 pound a 28-day interval to harvest.

Remarks: Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 200 gallons of finished spray per acre. Repeat as necessary but not within 14 days of harvest.

Black-eyed peas (Southern peas, Crowder peas): Corn ear worm, Cowpea curculionid, 1 1/2 to 2 lbs. Leaf miners, Stink bugs. 1/2 to 1 lb.

Remarks: Apply specified dosage per acre in sufficient water for complete coverage. Do not apply more than 4 times per season nor within 7 days of harvest. Do not use vines for feed or forage nor pasture treated areas.

Cucumbers: Spotted cucumber beetle, Striped cucumber beetle, Western striped cucumber beetle. 1 lb.

Remarks: Apply specified dosage per acre in sufficient water for complete coverage. Do not apply more than 3 times per season nor within 1 day of harvest.

Eggplant: Leaf miners, 1/2 to 1 lb. European corn borer, Flea beetles. 1 lb.

Remarks: Apply specified dosage per acre in sufficient water to give complete coverage. Repeat as necessary. Do not apply after fruit set.

Onions (green & dry): Thrips. 1 to 1 1/2 lbs.
Remarks: Apply specified dosage per acre in sufficient water to give complete coverage. Do not apply more than 3 times per season nor within 28 days of harvest of dry onions or 7 days of harvest of green onions.

Peppers: Leaf miners. 1/2 to 1 lb. European corn borer, Flea beetles. 1 lb.

Remarks: Apply specified dosage per acre in sufficient water to give complete coverage. A maximum of 4 treatments may be made up to within 3 days of harvest. Where more than 4 applications are required, do not apply last spray within 14 days of harvest.

Potatoes: Colorado potato beetle. 1/2 lb. Banded cucumber beetle, Leaf miners. 1/2 to 1 lb. European corn borer, Flea beetle, Leafhoppers, Spittlebugs, Tarnished plant bug. 1 to 1 1/2 lbs. Tuberworm. 1 1/2 to 1 1/2 lbs.

Remarks: Apply specified dosage per acre in sufficient water for complete coverage. Repeat as necessary. Do not apply within 7 days of harvest.

Spinach: Aphids, Leaf miners, Mites. 3/4 to 1 lb.
Remarks: Apply specified dosage per acre in sufficient water for complete coverage. Repeat as necessary. Do not apply within 14 days of harvest.

TOMATOES: Colorado potato beetle. 3/4 lb. Banded cucumber beetle, Drosophila, Green stink bug, Leaf miners, Whitefly. 3/4 to 1 lb. Aphids, European corn borer, Flea beetles, Grasshoppers, Leafhoppers, Thrips. 1 to 1 1/2 lbs. Tuberworm. 1 1/2 to 1 1/2 lbs. Corn earworm, Fruitworm, Pinworm, Yellow-striped armyworm, Hornworm. 1 1/2 to 3 lbs.

Remarks: Apply specified dosage per acre in sufficient water for complete coverage. Repeat as necessary. The high rates should be used where heavy infestations of late-instar lepidopterous larvae (large worms) and pinworms are present. Rates of 1 1/2 pounds per acre or less may be applied up to day of harvest. Rates above 1 1/2 pounds per acre require an interval of 14 days between application and harvest.

MELONS

Honeydew melons, Muskmelon (cantaloupe), Watermelons, Other melons: Leafhoppers, Leaf miners. 1/2 to 1 lb. Rindworms, Spotted cucumber beetle, Striped cucumber beetle, Western striped cucumber beetle. 1 lb.

Remarks: Apply specified dosage per acre in sufficient water to give complete coverage. Repeat as necessary up to the day of harvest but not more than 4 times per season.

ORNAMENTALS

Ornamentals, Nursery Plants, Forest and Shade Trees: Aphids, Corn earworm scale, Eucalyptus scale, Juniper scale, Lace bugs, Leafhoppers, Mites, Olive scale, Oystershell scale, Pinyon scale, Thrips. 1/2 to 1 lb. Brown soft scale, Putnam scale. 2 lbs. Black pine leaf scale, European elm scale. 1 1/2 to 2 lbs.

Remarks: Apply specified dosage per 100 gallons of water (2 level teaspoons) per gallon. Spray all foliage surfaces including the undersides of leaves for complete coverage. For control of black pine leaf, brown, European elm, and Putnam scales use 4 level teaspoons per gallon. Repeat as necessary.

Ornamentals, Nursery Plants, Forest and Shade Trees: Cone scale, Cone moth. 4 to 8 lbs.

Remarks: Apply specified dosage per 100 gallons of water. Five applications to coincide with moth flight when cones are open for pollination. Thorough coverage of cones is necessary for maximum control. Repeat as necessary.

European spruce sawfly: 1 lb. 1/2 to 1 lb.

Remarks: Apply specified dosage per acre in sufficient water for complete coverage. Five applications to coincide with moth flights. For application to individual trees use 1 level teaspoonful of Azinphos Methyl or WP per gallon of water.

Do not allow children or pets on treated areas until material has been washed off soil and treated area is dry.

Slash Pine: Cane worm, Sawtooth. 1 lb.

Remarks: Apply specified dosage per 100 gallons of water. Do not apply to slash pine until after the first heavy watering.

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U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460		EPA REGISTRATION NO. TERM OF ISSUANCE NAME OF PESTICIDE PRODUCT 	DATE OF ISSUANCE 1/15/77
NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)			
NAME AND ADDRESS OF REGISTRANT (Include ZIP code) <div style="border: 1px solid black; height: 100px; width: 100%;"></div>			
NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.			
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.			
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.			
Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.			
<div style="text-align: center;"> <p>1. The registrant certifies that the information furnished is true and correct.</p> <p>2. The registrant certifies that the information furnished is complete and accurate.</p> <p>3. The registrant certifies that the information furnished is not false or misleading.</p> <p>4. The registrant certifies that the information furnished is not deceptive.</p> <p>5. The registrant certifies that the information furnished is not fraudulent.</p> <p>6. The registrant certifies that the information furnished is not in violation of any law, rule, or regulation.</p> <p>7. The registrant certifies that the information furnished is not in violation of any contract or agreement.</p> <p>8. The registrant certifies that the information furnished is not in violation of any other applicable law or regulation.</p> </div>			
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		BEST DOCUMENT AVAILABLE	
SIGNATURE OF APPROVING OFFICIAL 		DATE 1/15/77	

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disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the the nearest EPA Regional Office for guidance.

Disposal: 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.

- c. Your label must contain the information provided in PR Notice 83-2 regarding farm worker safety.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Jay S. Ellenberger
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosures

RD/IRB:DCR-28491:Ellenberger:KIM:Raven:RD-45:557-2226:3/23/84:Del.4/11/84