

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

10163-175

DATE OF

3 JAN 1992

TERM OF ISSUANCE

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

IMIDAN 50WSB Agricultural Insecticide

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

GOWAN Company
P.O. Box 5569
Yuma, AZ 85399-5569

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.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 10163-175."
- b. Revise the eye treatment instructions in the Statement of Practical Treatment to read, "In Eyes-Flush eyes with plenty of water. Get medical attention if irritation persists."
- c. Delete the "wetlands statement" in the Environmental Hazard section and replace it with the statement, "Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark."

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ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

3 JAN 1992

- d. Separate the bees statement from the Environmental Hazard statement.
- e. The instructions for control of grasshoppers under the heading "Field Margins" should follow the field, crop and vegetable crop recommendations. Also, the application to field margins must be limited to registered sites, thus change the first sentence as follows:

For control of grasshoppers . . . and forage
crop sites listed on this label, apply 3 to
. . . .

- f. Add the following information to the inner pouch label:
 - 1) Keep Out of Reach of Children
 - 2) A referral statement, i.e. See attached label and booklet for complete directions and precautions.
 - 3) Add net weight to pouch label.

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 section 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.

George T. LaRocca
Product Manager (13)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosures

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Imidan® 50-WSD

Agricultural Insecticide

3 JAN 1992

Wettable Powder For Multi-Crop Pest Control

For Agricultural Use Only

Active Ingredient:

Phosmet: N-(Mercaptomethyl) phthalimide, S-(O, O-dimethyl phosphorodithioate) 50%

Inert Ingredients: 50%

Total (Contains 50 pounds of active ingredient per 100 pounds) 100%

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10163-175

KEEP OUT OF REACH OF CHILDREN WARNING—AVISO

PRECAUCION AL USUARIO: Si usted no le ingles, no use este producto hasta que la etiqueta le haya sido explicada amplimente.

STATEMENT OF PRACTICAL TREATMENT

Call a Poison Center or a physician immediately! If a known exposure occurs or is suspected, immediately start the procedures below. If further treatment is required contact a Poison Center, a physician, or the nearest hospital.

Note: Advise the person contacted that the active ingredient in this product is a cholinesterase inhibitor. Describe the type and extent of exposure, the victim's symptoms, and follow the advice given.

NOTE TO MEDICAL PERSONNEL: Atropine by injection is antidotal for cholinesterase inhibition. Pralidoxime Chloride (2-PAM, Protopam) is also antidotal when administered early and in conjunction with atropine.

IF SWALLOWED, immediately give several glasses of water and induce vomiting by placing a finger on the back of the victim's tongue. Give fluids until vomitus is clear. If victim is unconscious or convulsing, do not induce vomiting or give anything by mouth.

IF INHALED, remove to fresh air. If breathing is difficult, oxygen may be given with a physician's advice. If not breathing, clear victim's airway and start mouth-to-mouth artificial respiration and get medical attention.

IF ON SKIN, flush affected areas with plenty of water for several minutes. Remove and clean contaminated clothing and shoes. Get medical attention if skin irritation occurs.

IF IN EYES, hold eyelids apart and flush eyes with large amounts of running water for 15 minutes. Get medical attention if eye irritation occurs.

FOR 24-HOUR EMERGENCY ASSISTANCE, CALL CHEMTREC (800) 424-9300

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be harmful or fatal if swallowed, inhaled or absorbed through the skin. Do not get in eyes or on skin, or on clothing. Do not breathe dust or spray mist. Wash hands thoroughly after handling and before eating or smoking. Wash all contaminated clothing with soap and hot water before re-use.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water by cleaning of equipment or disposal of wastes. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops while bees are actively visiting the treatment areas.

USE PRECAUTIONS

Read all precautions and directions before using. Apply this product only as specified on this label.

IMIDAN® 50-WSD is compatible with most commonly used insecticides and fungicides, but is incompatible with alkaline materials such as spray lime, lime sulfur, and bordeaux mixtures. These materials will reduce the insecticidal activity of IMIDAN® 50-WSD.

Insecticidal activity may also be reduced when the water in the spray solution has a pH of 7 or higher. The pH of the spray solution may be corrected by the addition of a suitable buffering or acidifying agent for optimum insecticidal activity. Do not apply this product through any type of irrigation system.

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SEE ATTACHED BOOKLET FOR DIRECTIONS FOR USE
NET WEIGHT 5 LBS.

Gowan Company

EPA Reg. No. 10163-
EPA Est. No. 10163-AZ-1

P.O. Box 5569
Yuma, AZ 85366-5569

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Imidan[®] 50-WSB

Agricultural Insecticide

2

Applications may be made by aircraft or ground power equipment including concentrate and semiconcentrate equipment. The recommended dosages, except as specified for alfalfa, corn, cotton, peas, and pine seedlings are calculated for high volume conventional hydraulic sprayers. When concentrate and semiconcentrate sprays are used, apply the recommended rate of IMIDAN[®] 50-WSB per acre in proportionately lower volumes of water according to equipment manufacturer's directions and State spray schedules. Do not exceed the maximum rate of IMIDAN[®] 50-WSB per acre or the time limitations specified for the individual crops. (In California, use a minimum of 4 lbs. IMIDAN[®] 50-WSB per acre on mature Pome and Stone Fruit Trees [3½ lbs. on cherries]).

CHEMIGATION STATEMENT

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

DIRECTIONS FOR USE

Gowan Company

P.O. Box 5569
YUMA, AZ 85366-5569

EPA Reg. No. 10163-
EPA Est. No. 10163-AZ-1

see p.

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENT

Do not allow worker re-entry into treated fields within 24 hours of application unless appropriate protective clothing is worn. Protective clothing means, at least, a hat or other suitable head covering, a long-sleeved shirt and long-legged trousers or a coverall type garment (all closely woven fabric covering the body, including arms and legs) shoes and socks.

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 must be given if there is reason to believe that written warnings cannot be understood by workers.

When oral warnings are given, warnings shall be given in a language customarily understood by workers and must indicate the specific period of time that treated areas may not be entered without protective clothing. Oral warnings must also include appropriate first aid instructions in case of accidental exposure. These instructions are given in the STATEMENT OF PRACTICAL TREATMENT at the beginning of this label.

Written warnings must include the following information, "WARNING: Area treated with IMIDAN[®] Agricultural Insecticide on (date of application). Do not enter treated areas without appropriate protective clothing within 24 hours of application (or other re-entry interval if your State has a more restrictive interval for this product). If accidental exposure occurs, follow the instructions below." (Written warnings are given in the STATEMENT OF PRACTICAL TREATMENT given at the beginning of this label).

PROTECTIVE CLOTHING

When mixing/loading wear mid forearm to elbow length chemical resistant gloves, long-sleeve shirt, and long pants. During the application wear long-sleeve shirt and long pants. Applicator must also wear a wide-brimmed chemical resistant hat while spraying up toward fruit and nut crops.

Any article of clothing worn while applying product must be cleaned before reusing. Clothing should be laundered separately from household articles. Clothing which has been drenched or has otherwise absorbed concentrated pesticide must be disposed of in a sanitary landfill, incinerated, or burned if allowed by State and local authorities.

Pour recommended amount of this material on surface of water in nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. Do not allow mixture to stand

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

STORAGE: Store in a cool dry place.

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

CONTAINER 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.

SPILL OR LEAK: A small spill can be handled routinely. Use adequate ventilation and wear an air-supplied respirator to prevent inhalation. Wear suitable protective clothing and eye protection to prevent skin and eye contact. Use the following procedures:

1. Sweep up spilled material being careful not to create dust.

2. Place sweepings in an open drum.

3. Generously cover the contaminated areas with a common household detergent. Using a stiff brush and small amounts of water, work the detergent into the spill material forming a slurry. Do not splatter on one's self or bystanders, and completely avoid skin or eye contact with this material. Brush the slurry into cracks and crevices and allow to stand for 2 to 3 minutes.

4. Spread a suitable absorbent such as clay, sawdust or kitty litter on the slurried liquid. Shovel absorbed material into an open drum.

5. Repeat if necessary.

6. Flush the area with water while observing proper environmental considerations.

7. Seal drum and dispose of contaminated material in an approved pesticide landfill.

Large spills must be handled according to a predetermined plan. For assistance in developing a plan, contact Gowan Company, Yuma, Arizona 85366

DIRECTIONS FOR USE OF WATER SOLUBLE BAGS RECOMMENDATIONS FRUIT AND NUT CROPS

NOTE: Directions for applications to dormant fruit and nut crops are located at the end of this section.

ALMONDS: For control of Peach Twig Borer, apply 1 lb. IMIDAN[®] 50-WSB per 100 gals. of water (up to a maximum of 6 lbs. IMIDAN[®] 50-WSB per acre). Apply as a full cover spray when infestation starts. Limit use on bearing almonds to one foliar application per season. Do not apply within 30 days of harvest.

APPLES: For control of Apple Maggot, Codling Moth, Elm Spanworm, Fruit Tree Leafroller, Green Apple Aphid, Green Fruitworm, Gypsy Moth, Japanese Beetle, Obliquebanded Leafroller, Orange Tortrix[®], Plum Curculio, Red Banded Leafroller, Redhumped Caterpillar, Rosy Apple Aphid, and Tarnished Plant Bug, apply 1 to 1½ lbs. per 100 gals. water (or a maximum of 8 lbs. per acre per application) as a full cover spray. For heavy insect infestations use the higher dosage rate. Repeat as necessary in accordance with insect infestations and local or State spray programs. Usually suppresses European Red and Two Spotted Mites when used in a seasonal program. Do not apply within 7 days of harvest. Recommended for control of Elm Spanworm, Green Fruitworm, Gypsy Moth, Fruit Tree Leafroller, and Obliquebanded Leafroller in the Northeast only.

*California Only. Consult your local County Agent or Extension Service Representative regarding proper timing of application.

TANK MIX (Northeast Only): For control of the insects listed above for APPLES plus Tentiform Leafminer, Tufted Apple Budmoth and White Apple Leafhopper, a tank mix of IMIDAN[®] 50-WSB and methomyl (LANNATE[®]) may be used as follows: Mix ½ to 1 lb. of IMIDAN[®] 50-WSB and ½ to 1 pt. of methomyl 1.8-L or 2 to 4 oz. of methomyl 90%-SP per 100 gals. of water. Apply as a full cover spray (350 to 400 gals. per acre). Repeat as necessary in accordance with insect infestation and local or State spray programs. Do not use on Early McIntosh or Wealthy varieties. Do not apply within 8 days of harvest. Do not graze feed livestock under treated trees for 10 days after application.

*LANNATE[®] is a registered trademark of E. I. du Pont de Nemours and Company, Inc.

APRICOTS: For control of Apple Maggot, Oriental Fruit Moth, Peach Twig Borer, Plum Curculio, and Red Banded Leafroller, apply 1 to 1½ lbs. per 100 gals. water (or maximum of 6 lbs. per acre per application) as a full cover spray. For heavy insect infestations use the higher dosage rate. Repeat as necessary in accordance with insect infestations and local or State spray programs. Usually suppresses European Red and Two Spotted Mites when used in a seasonal program. Do not apply within 14 days of harvest.

BLUEBERRIES (Northeastern U.S. only): For control of Blueberry Maggot, Cranberry Fruitworm, and Plum Curculio, apply 2 lbs. IMIDAN[®] 50-WSB in 150 to 200 gals. of water per acre as a foliar spray. A second application may be

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made when indicated by insect infestations and local or State spray programs. May be applied up to 3 days prior to harvest.

CHERRIES, SOUR (TART): For control of Cherry Fruit Fly, Fruit Tree Leafroller, Japanese Beetle, Peach Twig Borer, and Plum Curculio, apply 1 lb. per 100 gals. water (or maximum of 3 1/2 lbs. per acre per application) as a full cover spray. Repeat as necessary in accordance with insect infestations and local or State spray programs. Usually suppresses European Red and Two Spotted Mites when used in a seasonal program. Do not apply within 7 days of harvest. Recommended for Cherry Fruit Fly, Fruit Tree Leafroller and Plum Curculio in the Northeast only.

CITRUS (Lemons, Oranges-California, Arizona and Texas only): For control of California Red Scale and Brown Soft Scale, apply 1 lb. IMIDAN® 50-W in 100 gals. of water plus a minimum of 1 qt. (per 100 gals.) of a suitable spray oil according to oil manufacturer's specifications. Apply as a full cover spray using ground application equipment (up to a maximum of 30 lbs. IMIDAN® 50-W per acre). Repeat as necessary in accordance with scale infestations and local or State spray programs, up to 3 applications per season. Do not reapply within 30 days of the previous application. Do not apply within 7 days of harvest.

GRAPES (West): For control of Grape Leafroller, Omnivorous Leafroller and Western Grapeleaf Skeletonizer, apply 2 lbs. IMIDAN® 50-W in 200 gals. of water per acre. Spray both sides of each row, also tops of vines to assure adequate coverage of fruit and foliage. Applications may be made at any time between egg hatch and pupation for Leafroller, Leafroller, and Western Grapeleaf Skeletonizer. Do not apply within 7 days of harvest.

GRAPES (East): For control of Grape Berrymoth, Grape Leafhopper, and Japanese Beetle, apply 2 to 3 lbs. IMIDAN® 50-W in 200 gals. of water per acre. For Grape Berrymoth, apply prebloom, postbloom, first and late cover sprays as needed. For Grape Leafhopper apply when most nymphs hatch (generally coincides with Berrymoth). Use the higher rate for control of Japanese Beetle. Spray both sides of each row, also tops of vines to assure adequate coverage of fruit and foliage. Make applications as necessary to maintain control in accordance with insect infestations and local or State spray programs. Do not apply within 14 days of harvest.

NECTARINES: For control of Apple Maggot, Oriental Fruit Moth, Peach Twig Borer, Plum Curculio, and Red Banded Leafroller, apply 1 to 1 1/2 lbs. per 100 gals. water (or maximum of 6 lbs. per acre per application) as a full cover spray. For heavy insect infestations use the higher dosage rate. Repeat as necessary in accordance with insect infestations and local or State spray programs. Usually suppresses European Red and Two Spotted Mites when used in a seasonal program. Do not apply within 14 days of harvest. Do not use Omite® in combination with IMIDAN® 50-W on late maturing nectarine varieties as fruit injury may result.

*OMITE® is a registered trademark of Uniroyal Chemical.

PEACHES: For control of Japanese Beetle, Oriental Fruit Moth, Peach Twig Borer, Plum Curculio, and Tarnished Plant Bug, apply 1 to 1 1/2 lbs. per 100 gals. of water (or maximum of 6 lbs. per acre per application) as a full cover spray. For heavy insect infestations use the higher dosage rate. Repeat as necessary in accordance with insect infestations and local or State spray programs. Usually suppresses European Red and Two Spotted Mites when used in a seasonal program. Do not apply within 14 days of harvest.

PEARS: For control of Codling Moth, Elm Spanworm, Fruit Tree Leafroller, Green Apple Aphid, Gypsy Moth, Pear Psylla, Plum Curculio, Red Banded Leafroller, Rosy Apple Aphid, and Tarnished Plant Bug, apply 1 to 1 1/2 lbs. per 100 gals. of water (or maximum of 10 lbs. per acre per application) as a full cover spray. For heavy insect infestations use the higher dosage rate. Repeat as necessary in accordance with insect infestations and local or State programs. Usually suppresses European Red and Two Spotted Mites when used in a seasonal program. Do not apply within 7 days of harvest. Recommended for control of Elm Spanworm, Gypsy Moth and Fruit Tree Leafroller in Northeast only.

PECANS: For control of Pecan Nut Casebearer®, Pecan Weevil, and Hickory Shuckworm, apply 1 1/2 lbs. IMIDAN® 50-W per 100 gals. of water as a full cover spray when infestation starts. Repeat as necessary in accordance with insect infestations and local or State programs. For Pecan Weevil, repeat applications should be made at 7 day intervals. Do not apply within 14 days of harvest. Do not graze livestock on cover crops grown in treated pecan groves.

*Recommended for Pecan Nut Casebearer in Texas only.

PLUMS, PRUNES: For control of Apple Maggot, Codling Moth®, Oriental Fruit Moth, Peach Twig Borer, Plum Curculio, Red Banded Leafroller, and Redhumped Caterpillar, apply 1 to 1 1/2 lbs. per 100 gals. water (or maximum of 6 lbs. per acre per application) as a full cover spray. For heavy insect infestations use the higher dosage rate. Repeat as necessary in accordance with insect infestations and local or State spray programs. Usually suppresses European Red and Two Spotted Mites when used in a seasonal program. Do not apply within 7 days of harvest.

*For control of Codling Moth in California only, apply 1 lb. per 100 gals. water (or a maximum of 6 lbs. per acre per application) by ground equipment.

FRUIT AND NUT CROPS - DORMANT APPLICATIONS (Pacific Coast States Only):

- Almonds, Apples, Apricots, Cherries, Nectarines, Peaches, Pears, Plums, Prunes San Jose Scale.
- Almonds, Apricots, Cherries, Nectarines, Peaches, Plums, Prunes Peach Twig Borer.

Use 1 lb. IMIDAN® 50-W per 100 gals. of water plus suitable spray oil according to oil manufacturer's specifications. Make thorough coverage using conventional ground sprayers.

FIELD, FORAGE, AND VEGETABLE CROPS

ALFALFA (Arizona, California, Nevada Only): For control of Common Alfalfa Weevil Larvae and Egyptian Alfalfa Weevil Larvae, apply 1 1/2 lbs. of IMIDAN®

50-W in 10 to 50 gals. of water per acre (20 to 50 gals. of water for dense stands) by ground equipment, or in 5 to 10 gals. of water per acre by aircraft. Consult your local Farm Advisor regarding the proper timing of application. Larvae should be sprayed when they are actively feeding. Do not apply more than once per cutting. Do not graze or cut for hay within 14 days of application. Do not use a spreader, sticker, or surfactant with IMIDAN® 50-W on alfalfa in Arizona, California, or Nevada. Do not apply to alfalfa in the bloom period.

For Pea Aphids, apply the recommended rate of IMIDAN® 50-WP in combination with 1/2 to 3/4 pt. DIMETHOATE 2.67-E or 1/4 to 1/2 pt. DIMETHOATE 4-E. Do not apply more than once per cutting. Do not graze or cut for hay within 14 days of application. Do not apply to alfalfa in the bloom period. Wear the protective clothing specified on the DIMETHOATE label when preparing and using this combination.

ALFALFA (Except Arizona, California, Nevada): For control of Common and Egyptian Alfalfa Weevil Larvae and Adults, Potato Leafhopper®, Meadow Spittlebug, and Alfalfa Blotch Leafminer, apply 2 lbs. IMIDAN® 50-W in 10 to 50 gals. of water per acre (20 to 50 gals. of water for dense stands) by ground equipment or 2 lbs. IMIDAN® 50-W in 2 to 10 gals. of water per acre by aircraft. Consult your local County Agent or Extension Service Representative regarding the proper timing of application. Larvae should be sprayed when they are actively feeding. Application for adult weevils should be timed to periods of visible activity. For Alfalfa Blotch Leafminer and Meadow Spittlebug, application should be made when first signs of infestation are visible. Do not apply more than once per cutting. Do not graze or cut for hay within 7 days of application. Do not apply to alfalfa in the bloom period.

*Recommended for control of Potato Leafhopper in Northeast and North Central States Only.

For Pea Aphids, apply the recommended rate of IMIDAN® 50-W in combination with 1/2 to 3/4 pt. DIMETHOATE 2.67-E or 1/4 to 1/2 pt. DIMETHOATE 4-E. Do not apply more than once per cutting. Do not graze or cut for hay within 10 days of application. Do not apply to alfalfa in the bloom period. Wear the protective clothing specified on the DIMETHOATE label when preparing and using this combination.

CORN (Corn Belt Only): For control of Corn Rootworm adult populations, apply 1/2 to 1 lb. IMIDAN® 50-W in 2 to 5 gals. of water per acre by aircraft, or in 20 to 50 gals. of water per acre by ground equipment. Apply when beetles are present in sufficient numbers to warrant treatment for protection of the silk from adult feeding. Consult your local County Agent or Extension Service Representative regarding proper timing of application. Do not apply within 14 days of harvest.

COTTON (Except San Joaquin Valley, CA): For control of the overwintering generation of Boll Weevils, apply 1/2 to 1 lb. of IMIDAN® 50-W per acre in 5 to 20 gals. of water by ground equipment or 1 lb. IMIDAN® 50-W per acre in 3 to 5 gals. of water by aircraft. Make two applications. The first application should be made at the 1/2 grown square stage and the second application 5 to 7 days later. Use the higher rate under heavy infestations. For control of first, second, or third generation Boll Weevils, apply 1 1/2 to 2 lbs. IMIDAN® 50-W in 3 to 5 gals. of water per acre by aircraft or in 5 to 20 gals. of water per acre by ground equipment. Make applications at intervals of 3 to 7 days depending upon weevil population and weevil migration in fields. Use the higher rate for heavy infestations. Check infestations regularly. Do not exceed 20 lbs. IMIDAN® 50-W per acre per season. Do not apply within 21 days of harvest. Do not graze or feed forage to livestock. Use on cotton prohibited in Copiah and Claiborne Counties, MS; Lauderdale and Madison Counties, AL; and Lawrence County, TN. Do not apply within one mile of any coastal or estuarine waters. Do not apply within 100 feet of aquatic habitats.

PEAS, FRESH AND DRY (Pacific Northwest Only): For control of Pea Weevil and Pea Leaf Weevil, apply 1 1/2 to 2 lbs. IMIDAN® 50-W in 5 to 10 gals. of water per acre by aircraft, or in 20 to 50 gals. of water per acre by ground equipment. Apply between emergence and early pod formation when adult populations are present but before eggs are laid. Consult your Local County Agent or Extension Service Representative regarding proper timing of application. Do not apply within 7 days of harvest. Do not graze or feed forage to livestock within 7 days of harvest. Do not cut treated fresh pea forage for hay within 10 days of application.

POTATOES: For control of Colorado Potato Beetle, Potato Flea Beetle, and Potato Leafhopper, apply 2 lbs. per acre (1 1/2 to 2 lb. per acre for Colorado Beetle and Potato Flea Beetle in the Northeast) in sufficient water to provide good coverage. Repeat applications as necessary throughout the growing season. Do not apply within 7 days of harvest. Use only on potatoes to be harvested by machine. Not recommended for use on potatoes in California.

DECIDUOUS SHADE AND ORNAMENTAL TREES AND WOODY EVERGREENS

IMIDAN® 50-W is recommended for use by commercial applicators on Deciduous Shade and Ornamental Trees and Woody Evergreens in parks, residential and recreational areas, along thoroughfares, and other localized areas where infestations of Gypsy Moth, Spring Cankerworm, Elm Spanworm, Birch Leaf Miner, Eastern Tent Caterpillar, Elm Leaf Beetle Larvae, Japanese Beetle, or Redhumped Caterpillar occur. When such insects or their damage occur, apply at a rate of 1 to 1 1/2 lbs. IMIDAN® 50-W per 100 gals. of water, thoroughly wetting all parts of the affected plants to the point of runoff. For heavy insect infestations use the higher dosage rate. Repeat application as necessary to maintain insect control.

*Recommended on Deciduous Shade and Ornamental Trees (such as Ash, Beech, Oak, Dogwood, Willow, Hickory, Locust, Liquidambar, Hawthorne, Birch, Elm, Maple) to control Gypsy Moth, Spring Cankerworm, Elm Spanworm, Eastern Tent Caterpillar, Elm Leaf Beetle Larvae, Japanese Beetle, and Redhumped Caterpillar.



Hemlock, Juniper, Pine, Spruce, Saw to Control Gypsy Moth

● Recommended on Birch Trees to control Birch Leaf Miner
Choose a cool, calm period, preferably in early morning or evening. Do not apply if rain is expected or before leaf surfaces are dry

PINE TREES (Pacific Northwest Only): For control of European Pine Shoot Moth (*Rhyacionia buoliana*), apply 2 lbs. of IMIDAN® 50-WP per acre or for individual trees at a rate of 2 lbs. per 100 gals. of water. Spray trees for thorough coverage of foliage. Repeat at 2 week intervals throughout flight period of the moths.

PINE SEEDLINGS (White, Slash and Loblolly): For control of Pales Weevil (*Hyllobius pales*) and Pitch-eating Weevil (*Pachylobius picivorus*), use IMIDAN® 50-WP as a 4% top dip, dipping down to and including the root collar only. Dip in bundles loose enough to allow solution to penetrate the bundles. Avoid coverage of roots. Swish tops in solution for 10 to 15 seconds to assure adequate coverage of all top growth. Drain and allow seedlings to dry before planting. The addition of an extender such as Nu-Film 17® or Plantgard® may help to retain the IMIDAN® 50-WP on the foliage under high rainfall conditions.

Some slight needle burn and first year growth reduction may occur following treatment of loblolly pine.

Wear rubber gloves during treating and planting.

*Nu-Film® is a registered trademark of Miller Chemical & Fertilizer Corp.

**Plantgard® is a registered trademark of Polymetrics International, Inc.

DILUTION TABLE FOR A 4% TOP DIP

TO MAKE	5 gals.	30 gals.	50 gals.	100 gals.
Use this amount of IMIDAN® 50-WP	3½ lbs.	20 lbs.	33½ lbs.	67 lbs.

Agitate frequently to keep IMIDAN® 50-WP in suspension. Five gals. of solution should be enough to treat 10,000 seedlings. Do not keep IMIDAN® solution overnight. Make up a fresh batch each day that seedlings will be dipped.

NOTICE ON CONDITIONS OF SALE

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, warranty, expressed or implied, is made as to the effects of such or the results obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility including injury or damage, resulting from its misuse as such, or in combination with other materials.

rev. 5/71

FIELD MARGINS: For control of grasshoppers in margins of cultivated fields and forage crops, apply 3 to 4 pounds of Imidan 50-WP in 10 to 50 gallons of water per acre (20 to 50 gallons of water for dense stands) or in 5 to 10 gallons of water per acre by aircraft. Do not graze livestock in treated area. Do not harvest for food or feed.

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DIRECTIONS FOR USE OF WATER SOLUBLE BAGS

Packets containing Imidan 50-WSB are water soluble. Do not allow packet to become wet prior to adding to the spray tank. Do not handle with wet hands. Reseal outer bag to protect remaining packets. To prepare the spray mixture, drop the required number of unopened packets, as determined under Recommendations into the spray tank while filling with water to the desired level. Operate the agitator while mixing. Depending on the water temperature and the degree of agitation, the packets should be completely dissolved within approximately 5 minutes from the time they were added to the water. Use the specified dosage of Imidan 50-WSB in the amount of water necessary to give complete coverage of foliage. Determine the total amount of wettable powder to be added to the spray tank based on the rates under Recommendations. For each one pound of wettable powder to be added to the spray tank, use one 1 pound packet. Where dosages are expressed as fractions of pounds, prepare the tank load to the lower of the nearest whole pound.

INNER POUCH LABEL

IMIDAN 50-WSB

ACTIVE INGREDIENT:	Phosmet: N-(Mercaptomethyl)phthalimide, s-(O,O-dimethyl phosphorodithioate).....	50%
INERT INGREDIENTS:	50%
	TOTAL.....	100%

WARNING-AVISO

EPA Reg. No. 10163-xxx