

**ACCEPTED**  
 APR 17 1975  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No.

476-1917



# IMIDAN<sup>®</sup> 50-WP

**AGRICULTURAL INSECTICIDE - WETTABLE POWDER**

**ACTIVE INGREDIENT:**  
*N*-(mercaptomethyl)phthalimide, *S*-(*O,O*-dimethyl phosphorodithioate)..... 50%  
**INERT INGREDIENTS:**..... 50%  
 U.S. Patent No. 2,767,194 100%

## WARNING

**HARMFUL OR FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN.**  
 Do not get in eyes or on skin, or on clothing. Do not breath spray mist. In case of skin contact, wash immediately with soap and water. Wash all contaminated clothing with soap and hot water before re-use.

**NOTE TO PHYSICIAN:** IMIDAN is an organophosphorus insecticide. **ATROPINE IS ANTIDOTAL.** 2-PAM also is antidotal when administered early, and in conjunction with atropine.

**STORE IN A COOL, DRY PLACE. READ ALL DIRECTIONS BEFORE USING.**

### USE PRECAUTIONS

- Read all precautions and directions before using. Apply this product only as specified on this label.
- Do not contaminate food or feed.
- IMIDAN 50-WP is compatible with most commonly used insecticides and fungicides, but is incompatible with alkaline materials such as bordeaux or lime.
- The addition of a spray adjuvant is not necessary or recommended with Imidan 50-WP.

### ENVIRONMENTAL CAUTIONS

- Toxic to fish and wildlife. Keep out of lakes, streams and ponds. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment, or disposal of wastes.
- Do not apply when weather conditions favor drift from areas treated.
- 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

Four 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. Do not use in gear-type spray equipment.

### RECOMMENDATIONS FOR USE

#### ALFALFA:

For control of **Common Alfalfa Weevil** and **Egyptian Alfalfa Weevil Larvae** — apply 2 pounds IMIDAN 50-WP in 10 to 50 gallons of water per acre (20 to 50 gallons water for dense stands) by ground equipment or 2 pounds IMIDAN 50-WP in 5 to 10 gallons 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. Do not apply more than once per cutting. Do not graze or cut for hay within 7 days after application.

#### POTATOES:

**Colorado Potato Beetle, Potato Flea Beetle, Potato Leafhopper.** Apply 2 lb. per acre (1½ 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. Not recommended for use on potatoes in California.

#### DECIDUOUS FRUIT — FOLIAR SPRAYS

##### APPLES:

For **Apple Maggot, Codling Moth, Elm Spanworm, Green Apple Aphid, Fruit Tree Leafroller, Gypsy Moth, Plum Curculio, Red Banded Leafroller, Rosy Apple Aphid** control, and **Tarnished Plant Bug** suppression, apply 1 to 1½ pounds per 100 gallons water (or a maximum of 8 pounds per acre per application) as a full cover spray. Use 1½ pounds per 100 gallons water for **Plum Curculio**. 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, Gypsy Moth** and **Fruit Tree Leafroller** in the Northeast only.

For control of **White Apple Leafhopper**, apply the above rates of Imidan 50-WP tank mixed with 4 oz. of **Pyrocyde Growers Spray** per 100 gallons of water. (Limit use to Michigan only).

##### APRICOTS, NECTARINES, PRUNES, PLUMS:

**Apple Maggot, Oriental Fruit Moth, Peach Twig Borer, Plum Curculio, Red Banded Leafroller**, apply 1 to 1½ pounds per 100 gallons water (or a maximum of 6 pounds per acre per application) as a full cover spray. Use 1½ pounds per 100 gallons for **Plum Curculio**. 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 to apricots or nectarines within 14 days of harvest; to prunes or plums within 7 days of harvest.

**Keep Out of Reach of Children**

#### CHERRIES, SOUR (Tart):

**Cherry Fruit Fly, Fruit Tree Leafroller, Peach Twig Borer, Plum Curculio**, apply 1 pound per 100 gallons water (or a maximum of 3½ pounds 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.

#### GRAPES:

For control of **Grape Leafroller** and **Omnivorous Leafroller**, apply 2 pounds IMIDAN 50-WP in 200 gallons 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. Do not apply within 7 days of harvest.

(Northeast only) **Grape Berrymoth**, apply 2 to 3 lbs. of Imidan 50-WP in 200 gallons water per acre. Apply prebloom, post-bloom, 1st and later cover spray as needed. **Grape Leafhopper**, apply 2 to 3 lbs. of Imidan 50-WP in 200 gallons water per acre. Apply when most nymphs hatch. Generally coincides with **berry moth**. 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.

#### PEARS:

For **Codling Moth, Elm Spanworm, Fruit Tree Leafroller, Green Apple Aphid, Gypsy Moth, Pear Psylla, Plum Curculio, Red Banded Leafroller, Rosy Apple Aphid** control and **Tarnished Plant Bug** suppression, apply 1 to 1½ pounds per 100 gallons water (or a maximum of 10 pounds per acre per application) as a full cover spray. Use 1½ pounds per 100 gallons water for **Plum Curculio**. 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, Gypsy Moth** and **Fruit Tree Leafroller** in Northeast only.

#### PEACHES:

For **Oriental Fruit Moth, Peach Twig Borer, Plum Curculio** control and **Tarnished Plant Bug** suppression, apply 1 to 1½ pounds per 100 gallons water (or a maximum of 6 pounds per acre per application) as a full cover spray. Use 1½ pounds per 100 gallons water for **Plum Curculio**. 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.

**CONCENTRATE AND SEMI-CONCENTRATE FOLIAR SPRAYS (Air or Ground Equipment):** When concentrate and semi-concentrate sprays are used, apply the recommended rate of IMIDAN 50-WP 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-WP per acre or the time limitations specified above for the individual tree fruits. In California, use a minimum of 4 pounds IMIDAN 50-WP per acre on mature pome and stone fruit trees (3½ pounds on cherries).

#### DECIDUOUS SHADE AND ORNAMENTAL TREES AND WOODY EVERGREENS

**NOTE:** Limit all uses for control of **Gypsy Moth, Elm Spanworm** and **Birch Leaf Miner** to the Northeastern U. S. only. Recommended for **Spring Cankerworm** in the Northeastern and Midwestern U.S. IMIDAN 50-WP 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** or **Birch Leaf Miner** occur.

- Recommended on deciduous shade and ornamental trees (such as Ash, Beech, Oak, Dogwood, Willow, Hickory, Locust, Hawthorne, Birch, Elm, Maple) to control: **Elm Spanworm, Spring Cankerworm, Gypsy Moth.**
  - Recommended on woody evergreens (such as Arborvitae, Cedar, Fir, Hemlock, Juniper, Pine, Spruce, Yew) to control: **Gypsy Moth.**
  - Recommended on birch trees to control: **Birch Leaf Miner.**
- When such insects or their damage occur, apply at a rate of 1-1½ pounds IMIDAN 50-WP per 100 gallons of water, thoroughly wetting all parts of the affected plants to the point of runoff. Repeat application as necessary to maintain insect control.  
 Choose a cool, calm period, preferably in early morning or evening. Do not apply if rain is expected or before leaf surfaces are dry.

**ALMONDS — DORMANT APPLICATION** for **San Jose Scale** and **Peach Twig Borer**. Use 1 pound IMIDAN 50-WP per 100 gallons of water plus suitable spray oil according to oil manufacturer's specifications and local and state spray schedules. Make thorough coverage using conventional ground sprayers, wetting all parts of the tree.

#### DECIDUOUS TREE FRUITS — DORMANT APPLICATION (Pacific Coast states only)

**APPLES, APRICOTS, CHERRIES, NECTARINES, PEACHES, PEARS, PLUMS, PRUNES:** **San Jose Scale.**  
**APRICOTS, CHERRIES, NECTARINES, PEACHES, PLUMS, PRUNES:** **Peach Twig Borer.**  
 Use 1 pound IMIDAN 50-WP per 100 gallons of water plus suitable spray oil according to oil manufacturer's specifications. Make thorough coverage using ground sprayers, wetting all parts of tree.

**DO NOT REUSE CONTAINER. DESTROY WHEN EMPTY.**

**NOTICE:** Stauffer Chemical Company makes no warranty, express or implied, including the warranties of merchantability and/or fitness for any particular purpose, concerning this material, except those which are contained on Stauffer's label.

EPA REG. No. 476-1917-AA

**30 POUNDS NET WGT.**

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Made in U.S.A. By

**STAUFFER CHEMICAL COMPANY**

476-1917

4-17-1975

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