



ACCEPTED
DEC 13 1973
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND REPLICANTS ACT
FOR ECONOMIC INSECTICIDE REGISTER
SUBJECT

IMIDAN[®] 50-WP

AGRICULTURAL INSECTICIDE — WETTABLE POWDER

ACTIVE INGREDIENT:	
<i>N</i> -(mercaptomethyl)phthalimide, <i>S</i> -(<i>O,O</i> -dimethyl phosphorodithioate).....	50%
INERT INGREDIENTS:	50%
	100%

U.S. Patent No. 2,767,134

WARNING

Keep Out of Reach
of Children

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

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. 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. (Not recommended for use on potatoes in California.) Apply 2 lb. per acre in sufficient water to provide good coverage. Repeat applications as necessary throughout the growing season. Do not apply within 7 days of harvest.

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 Pyrocide 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.

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 Leafhopper 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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STAUFFER CHEMICAL COMPANY

WESTPORT, CT 06880

476-1917
12-13-1973

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Made in U.S.A. By

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ACCEPTED
DEC 13 1973
UNDER THE NATIONAL FIREWORKS ACT
FUNCTIONAL LABEL CASE ACT
FOR EXPLOSIVE MATERIALS REGISTERED
ED UNDER NO. 476-1917
FEDERAL COMMISSION