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JAN 20 1987

Mr. Ralph L. Riggs
 Stauffer Chemical Company
 1200 South 47th Street
 Richmond, CA 94804

Dear Mr. Riggs:

Subject: Response to Agency Letter Dated April 18, 1986 (Use Only on Potatoes to be Harvested by Machine) and Amended Application for Label Revisions
 EPA Registration No. 476-1917
 Your Amended Application Dated May 19 and June 27, 1986

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

1. Add the subheading, "STATEMENT OF PRACTICAL TREATMENT" above the practical treatment statements. In addition, the Note to Physician should be placed below the Statement of Practical Treatment.
2. The Environmental Hazards statement should be revised to read as follows:

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.

R:86392:Heyward:LR-1:KENCO:12/18/86:2/2/87:tar:VO
 R:91931:Heyward:LR-1:KENCO:1/15/87:2/26/87:de:vo

CONCURRENCES

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3. Add the following protective clothing statement to the Directions for Use section:

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.

4. The worker reentry statement must be revised to read:

Do not allow worker reentry 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 the arms and legs) shoes and socks.

5. The following endangered species statement must be added to the label.

ENDANGERED SPECIES

The use of any pesticide in a manner that may kill or otherwise harm an endangered or threatened species or adversely modify their habitat is a violation of Federal laws. The use of this product is controlled to prevent death or harm to endangered or threatened species that occur in the following counties or elsewhere in their range.

Before using this pesticide in the following counties you must obtain the EPA Cropland Endangered Species Bulletin. The use of this pesticide is prohibited in these counties

unless specified otherwise in the Bulletin. The EPA Bulletin is available from either your County Agricultural Extension Agent, the Endangered Species Specialist in your State Wildlife Agency Headquarters or the appropriate Regional Office of either the U.S. Fish and Wildlife Service (FWS) or the U.S. Environmental Protection Agency. THIS BULLETIN MUST BE REVIEWED PRIOR TO PESTICIDE USE.

STATE (Regional Office FWS) Species	COUNTY	
ALABAMA (Atlanta, GA) Slackwater darter	Lauderdale	Madison
Alabama cavefish	Lauderdale	
Freshwater mussels	Colbert Jackson	Marshall Morgan
ARIZONA (Albuquerque, NM) Woundfin	Mohave	
Gila topminnow	Graham	Santa Cruz
ARKANSAS (Atlanta, Ga.) Freshwater mussels	Clay	Randolph
Leopard darter	Clark	Sharp
	Cross	St. Francis
	Lawrence	
	Sevier	
CALIFORNIA (Portland, OR) Lahontan cutthroat trout	Alpine	Mono
	Nevada	Placer
	Sierra	
Unarmored threespine stickleback	Los Angeles	Santa Barbara
COLORADO (Denver, CO) Colorado squawfish	Blanco	Moffat
	Delta	Rio
	Garfield	Routt
	Mesa	
KENTUCKY (Atlanta, GA) Freshwater mussels	Ballard	McCracken
	Edmundson	Pulaski
	Jackson	Rockcastle
	Laurel	Warren
	Marshall	Wayne
MISSISSIPPI (Atlanta, GA) Bayou darter	Copla	
NEVADA Hoopa dace	Clark	
Woundfin	Clark	
Pahranaagat	Lincoln	
Cui-ui	Washoe	
Pahrump killifish	Clarke	White Pine

STATE (Regional Office FWS) Species	COUNTY	
NEW MEXICO (Albuquerque, NM) Pecos gambusia	Chaves Eddy	
OHIO (Twin Cities, MN) Scioto madtom	Champagne Franklin Logan	Madison Pickaway Union
OKLAHOMA (Albuquerque, NM) Leopard darter	Leflore McCurtain	
TENNESSEE (Atlanta, GA) Slackwater darter Freshwater mussels	Blount Claiborne Decatur Franklin Hancock Hardin Lincoln Loudon	Marshall Maury Rhea Roane Scott Sequatchie Smith Sullivan
TEXAS (Albuquerque, NM) Comanche Springs pupfish	Jeff Davis Reeves	
Pecos gambusia	Jeff Davis Pecos	Reeves
San Marcos gambusia Houston Road Fountain darter	Hays Bastrop Hays	Burleson
UTAH (Denver, CO.) Woundfin Colorado squawfish	Washington Carbon Duchesne Emery Garfield Grand	Kane San Juan Uintah Wayne
VIRGINIA (Newton Corners, MA) Freshwater mussels	Lee Russell Scott Smyth	Tazewell Washington Wise
CALIFORNIA (Portland, OR) Valley elderberry longhorn beetle Delta green ground beetle	Sacramento Solano	Merced

Note that if the above bulletin cannot be printed on the label, we will accept an addendum, which must accompany the label when being purchased or applied. The endangered species statement must be on the label.

In regard to your submission of June 27, 1986, concerning the addition of crops (grapefruit, walnuts) and revision in the application methods for fruit and nut crops we refer you to the Registration Standard on Phosmet issued September 1986 for outstanding data requirements that must be resolved before we can approve the addition of crops or new application methods. We have no objection, however, to your deletion of the statement "Do not use in gear type spray equipment," the addition of the pest "western grapeleaf skeletonizer," or the addition of grasshopper control in field margins. Submit five copies of revised labeling with these additions for approval.

We also noted that another EPA Registration No. 476-2158 (IMIDAN 70-WP Agricultural Insecticide) is registered for use on potatoes. We assume that you will also be updating that label as well.

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

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosure

IMIDAN® 50-WP

AGRICULTURAL INSECTICIDE -- WETTABLE POWDER
FOR AGRICULTURAL USE ONLY

ACTIVE INGREDIENT:

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

INERT INGREDIENTS: 50%
100%

KEEP OUT OF REACH OF CHILDREN

PRECAUCION AL USUARIO:
SI USTED NO LEE INGLES,
NO USE ESTE PRODUCTO HASTA
QUE LA ETIQUETA LE HAYA
SIDO EXPLICADA AMPLIAMENTE.

A V I S O

W A R N I N G

STATEMENT OF PRACTICAL TREATMENT

Call a Poison Center or a physician immediately! If a known exposure occurs or is suspected, immediately start the recommended procedures below. Simultaneously contact a Poison Center, a physician, or the nearest hospital, or call collect, day or night, (203) 226-6602 (Stauffer Chemical Company) or (800) 424-9300 (Pesticide Team Safety Network).

Inform the person contacted of the type and extent of exposure, describe the victim's symptoms, and follow the advice given. Note: Be sure to advise the person contacted that the compound is a cholinesterase inhibitor.

Note to Medical Personnel: Exposure may cause cholinesterase inhibition. Atropine by injection is antidotal. 2-PAM (Protopam Chloride) is also antidotal when administered early and in conjunction with atropine.

If swallowed, immediately give several glasses of water and induce vomiting by gagging the victim with a finger placed 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 not breathing, clear victim's airway and start mouth-to-mouth artificial respiration. If breathing is difficult, give oxygen, preferably with a physician's advice.

For skin contact, flush all affected areas with plenty of water for several minutes. Remove and clean contaminated clothing and shoes. Seek medical attention if skin irritation occurs.

For eye contact, hold eyelids apart and flush eyes with large amounts of running water for 15 minutes. Seek medical attention if eye irritation occurs.

This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified. Country: United States of America

EPA Reg. No. 476-1917
EPA Est. 477-TX-1

_____ LB. NET WT _____ kg
RS-860519

Made In U.S.A. By
STAUFFER CHEMICAL COMPANY
WESTPORT, CT. 06881-0850

Registered under EPA Reg. No.
476-1917

PRECAUTIONARY STATEMENTSHAZARDS TO HUMANS AND DOMESTIC ANIMALSWARNING

- 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 product is toxic to fish, birds, and other wildlife. Birds and other wildlife feeding on treated areas may be killed.
- Keep out of lakes, streams, and ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.
- Apply this product only as specified on this label.
- This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

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 Stauffer's Agricultural Chemical Division, Westport, CT 06881-0850.

USE PRECAUTIONS

- Read all precautions and directions before using. Apply this product only as specified on this label.
- IMIDAN 50-WP 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-WP.
- 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.

DIRECTIONS FOR USE

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

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.

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-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 for the individual crops. [In California, use a minimum of 4 pounds IMIDAN 50-WP per acre on mature Pome and Stone Fruit Trees (3-1/2 pounds on cherries)].

REENTRY STATEMENT

- 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 enter treated areas without protective clothing until sprays have dried.
- 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.
- 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 until sprays have dried (or other reentry interval if your State has a more restrictive interval for this product). If accidental exposure occurs, follow the instructions below." (Written warnings must include the STATEMENT OF PRACTICAL TREATMENT given at the beginning of this label).

RECOMMENDATIONSFRUIT 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 pound IMIDAN 50-WP per 100 gallons of water (up to a maximum of 6 pounds IMIDAN 50-WP 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 1-1/2 pounds per 100 gallons water (or a maximum of 8 pounds 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-WP and methomyl (LANNATE* or NUDRIN**) may be used as follows: Mix 1/2 to 1 pound of IMIDAN 50-WP plus 1/2 to 1 pint of methomyl 1.8-L or 2 to 4 oz. of methomyl 90%-SP per 100 gallons of water. Apply as a full cover spray (350-400 gallons per acre). Repeat as necessary in accordance with insect infestation and local or State spray programs. Do not use on Early MacIntosh 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.

**NUDRIN® is a registered trademark of Shell Oil Company.

APRICOTS: For control of Apple Maggot, Oriental Fruit Moth, Peach Twig Borer, Plum Curculio, and Red Banded Leafroller, apply 1 to 1-1/2 pounds per 100 gallons water (or maximum of 6 pounds 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 pounds IMIDAN 50-WP in 150 to 200 gallons of water per acre as a foliar spray. A second application may be 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 pound per 100 gallons water (or maximum of 3-1/2 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.

CITRUS (Lemons, Oranges-California, Arizona, and Texas only): For control of California Red Scale and Brown Soft Scale, apply 1 pound IMIDAN 50-WP per 100 gallons of water plus a minimum of one quart (per 100 gallons) 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 pounds IMIDAN 50-WP per acre). Repeat as necessary in accordance with scale infestations and local or State spray programs, up to three 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 and Omnivorous Leafroller, apply 2 pounds IMIDAN 50-WP in 200 gallons 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 and Leafroller. Do not apply within 7 days of harvest.

GRAPES (East): For control of Grape Berry moth, Grape Leafhopper, and Japanese Beetle, apply 2 to 3 pounds IMIDAN 50-WP in 200 gallons of water per acre. For Grape Berry moth, apply prebloom, postbloom, first and late cover sprays as needed. For Grape Leafhopper apply when most nymphs hatch (generally coincides with Berry moth). 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 pounds per 100 gallons water (or maximum of 6 pounds 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-WP on late maturing nectarine varieties as fruit injury may result.

PEACHES: For control of Japanese Beetle, Oriental Fruit Moth, Peach Twig Borer, Plum Curculio, and Tarnished Plant Bug, apply 1 to 1-1/2 pounds per 100 gallons water (or maximum of 6 pounds 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 pounds per 100 gallons of water (or maximum of 10 pounds 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 pounds IMIDAN 50-WP per 100 gallons 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 pounds per 100 gallons water (or maximum of 6 pounds 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 pound per 100 gallons water (or a maximum of 6 pounds 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 pound IMIDAN 50-WP per 100 gallons 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 pounds of IMIDAN 50-WP in 10 to 50 gallons of water per acre (20 to 50 gallons of water for dense stands) by ground equipment, or in 5 to 10 gallons 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-WP 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 1/3 to 2/3 pint DIMETHOATE 2.67-E or 1/4 to 1/2 pint 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 pounds IMIDAN 50-WP in 10 to 50 gallons of water per acre (20 to 50 gallons of water for dense stands) by ground equipment or 2 pounds IMIDAN 50-WP in 2 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. 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-WP in combination with 1/3 to 2/3 pint DIMETHOATE 2.67-E or 1/4 to 1/2 pint 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 pound IMIDAN 50-WP in 2 to 5 gallons of water per acre by aircraft, or in 20 to 50 gallons 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 pound of IMIDAN 50-WP per acre in 5 to 20 gallons of water by ground equipment or 1 pound IMIDAN 50-WP per acre in 3 to 5 gallons of water by aircraft. Make two applications. The first application should be made at the 1/3 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 pounds IMIDAN 50-WP in 3 to 5 gallons of water per acre by aircraft or in 5 to 20 gallons 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 pounds IMIDAN 50-WP 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 pounds IMIDAN 50-WP in 5 to 10 gallons of water per acre by aircraft, or in 20 to 50 gallons 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 application. 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 pounds per acre (1-1/2 lb. 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-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, 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 pounds IMIDAN 50-WP per 100 gallons 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.
- 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.

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 pounds of IMIDAN 50-WP per acre or for individual trees at a rate of 2 pounds per 100 gallons 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 (*Hylobius 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 10-15 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

<u>TO MAKE</u>	<u>5 gallons</u>	<u>30 gallons</u>	<u>50 gallons</u>	<u>100 gallons</u>
Use this amount of IMIDAN 50-WP . .	3-1/2 lbs.	20 lbs.	33-1/2 lbs.	67 lbs.

Agitate frequently to keep IMIDAN 50-WP in suspension. Five gallons 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 - READ CAREFULLY

CONDITIONS OF SALE: Stauffer (and seller) offer(s) this product for sale subject to, and buyer and all users are deemed to have accepted, the following conditions of sale and warranty which may only be varied by written agreement of a duly authorized representative of Stauffer.

WARRANTY LIMITATION: Stauffer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use on the label subject to the inherent risks referred to below. Stauffer makes no other express warranties: THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY and there are no warranties which extend beyond the description on the label hereof.

INHERENT RISKS: The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with use. Buyer assumes all risks associated with use or application of this product contrary to label instructions or resulting from extraordinary weather conditions.

LIMITATION OF LIABILITY: In no case shall Stauffer be liable for special, indirect or consequential damages resulting from the use or handling of this product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which such damages are claimed.

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