UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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3015396198

Ms. Anne Stout Gowan Company P.O. Box 5569 Yuma, AZ 85366-5569

Subject: Amendment - Final Labeling

Imidan 12.5 WP Home Garden Insecticide

EPA Registration No. 10163-170

Your Applications Dated May 7, and August 30, 1991

The amendment 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 indicated below prior to release for shipment of product bearing the amended labeling.

- 1. Under Environmental Hazards, revise the statement "Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes) to "Do not apply directly to water to areas where surface water is present or to intertidal areas below the mean high water mark."
- 2. Identify the pest controlled for lemons, oranges, and grapefruit in the Fruit Crop Table.

Su mit five copies of your final printed labeling before you release the product for shipment. A stamped copy of the labeling is enclosed for your records. Please be aware the according to PR Notice 82-2, the Agency will not approve or return a stamp copy of final printed labeling to the applicant.

Sincerely yours,

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

Enclosure

	CONCURRENCES	
SYMBOL		
SURNAME		***************************************
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EPA Ferm 1320-1 (12-70)	*II.5.GPO:1989-624-485/LO186	DEFICIAL EU E COPY

IMIDAN® 12.5-WP HOME GARDEN INSECTICIDE

Wettable Powder for Control of Insects on Deciduous Fruit Trees, Shade Trees, Ornamental Trees and Woody Evergreens.

ACTIVE INGREDIENT:

Phosmet: N-(mercaptomethyl)phtalimide

KEEP OUT OF REACH OF CHILDREN

CAUTION

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STATEMENT OF PRACTICAL TREATMENT

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Call a Poison Center or a Physician Immediately.

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If a known exposure occurs or is suspected, immediately start the procedures given below. Simultaneously, 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 iluids 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, crygen may be given with a physician's advice. If not breathing, clear victim's airway, start mouth-to-mouth artificial respiration and get medical attention.

If On Skin: Flush affected areas with plenty of water for several miretes. Remove and clean contaminated clothing and shoes. Get medical attention if skin irritation persists.

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 CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

EPA Reg. No. 10163-170

EPA Reg NO 10163-170 EPA Est No 10163-AZ-1 Lbs. Net Wt.

EPA Est. No.

Gowan Company

Yuma, AZ 85366

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

- HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH THE SKIN.
- Avoid contact with skin, eyes and clothing.
- Avoid breathing 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, logs, marshes, and potholes). Do not contaminate water by disposing of equipment washwater. 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.

PRODUCT INFORMATION

IMIDAN 12.5-WP is a wettable powder for use in water for spray applications. IMIDAN 12.5-WP is compatible with most commonly used insecticides and fungicides. It is not compatible with alkaline materials such as line or bordeaux mixtures.

OBSERVE THE FOLLOWING USE PRECAUTIONS

- Read all label directions before using. Apply this product only as specified on this label.
- Keep children and pets away from area while apraying.
- Never leave insecticide package, spray mixture or sprayer unattended if you are required to leave area before spraying is completed.
- Vash off walks and other paved areas by hosing.

DIRECTIONS FOR USE

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

Protective dothing:

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 re-using. 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.

When To Spray: Choose a cool, calm period, preferably in early morning or evening. Do not apply if rain is expected or before leaf surfaces are dry.

Equipment: Use a compressed air sprayer, bucket pump sprayer, slide pump sprayer, small power sprayer or wheelbarrow type sprayer. For pest control treatment of large trees, high pressure is needed to drive the spray into dense foliage and to reach the highest branches.

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

Mixing: Prepare only the amount of spray needed. Pour recommended amount (see RECOMMENDATIONS BELOW) of this material on surface water in nearly-filled spray tank. Add balance of water to fill tank. For hose-end sprayers follow manufacturer's directions for using wettable powders.

Agitation: Spray mixture requires agitation to keep insecticides from settling. When using small equipment, shake sprayer before and frequently during application. Power Equipment: keep agitator running during mains and spraying.

Spraying: Spray thoroughly, covering lower and upper leaf surfaces, stems, branches, trunk and base of plant until lightly dripping.

Page 5 of 7 Imidan 12.5Wh

RECOMMENDATIONS

Use 3 tablespoons IMIDAN 12.5-WP per gallon of water when insects or their damage appear. Reapplication as necessary to maintain control. Consult your cooperative extension service for of applications.

Recommended on FRUIT CROPS as specified below. Spray leaves and fruit thoroughly. Large require up to 10 gallons of spray per tree. For Lemons, Oranges and Grapefruit add to the mixture a minimum 1 teaspoon per gallon of a suitable spray oil according to manufacture specifications.

Pest	Apple	Pear	Peach	Apricot/ Nectarine	Prune/ Plum	Tart Cherry	Blue- berries	Almonds	Pec
Cherry Fruit Fly*						x			
Elm Spanworm*	X	X							
Grape Berrymoth*									
Grape Leafhopper+*									
Grape Leaffolder									
Gypsy Moth*	X	X							
Aphids (Green Apple)	X	X							
Aphids (Rosy Apple)	X	X							
Apple Maggot	X			X	X				
Codling Moth	X	X			X				
Fruittree Leafroller*	X	X				X			
Omnivorous Leafroller									
Pear Psylla		X							
Plum Curculio	X	X	X	Х	X	X	X*		
Redbanded Leafroller	X	X		X	X				
Tarnished Plant Bug**	X	X	X						
Oriencal Fruit Moth			Х	Х	X				
Peach Twig Borer			X	Х	X	X		X	
European Red Mites**	X	X	Х	X	X	Х			
Two-Spotted Miles**	X	X	X	X	X	X			
Green Fruitworm	X								
Japanese Beetle	X		X			X			

Page 6 of 7 Imidan 12.5WP

RECOMMENDATIONS (continued)

Pest	Apple	Pear	Peach	Apricot/ Nectarine	Prune/ Plum	Tart Cherry	Blue- berries	Almonds	Pecans
Obliquebanded									
Leafroller*	X								
Orange Tortrix (CA Onl	.y) X								
Redhumped Caterpiller	X				X	•			
Western Grapeleaf Skelentonizer***									
Blueberry Maggot*								X	
Cranberry Fruitworm*								X	
California Red Scale**	*								
Brown Soft Scale***									
Pecan Nut Casebearer**	**								X
Pecan Weevil									X
Hickory Shuckworm									X
* Northeastern U.S.	Only								
** For Suppression	Only								
*** Western U.S.	Only								
*** Texas	Only								

⁺ Apply when most nymphs hatch, or consult your cooperative extension service for timing of applications.

For bearing trees do not pick fruit within 7 days of spraying (14 days for Peaches, Apricots, Nectarines, and Pecans; 3 days for blueberries; 30 days for Almonds).

juniper, pine, spruce, yew) to control: Gypsy Moth.

RECOMMENDED ON BIRCH TREES to control: Birch Leaf Miner.

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.

STORAGE AND DISPOSAL

-KEEP OUT OF REACH OF CHILDREN

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

*STORAGE Store only in original container in a cool dry cabinet, storage room, or areathat can be locked. Do not store near sources of heat or open flame. Do not store excess spray

PESTICIDE DISPOSAL. Securely wrap original container in several layers of newspaper and discard in trash

-CONTAINER DISPOSAL: Do not rause empty container. Rinse thoroughly before discarding in trash-

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, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with 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.

PN 13 10103-170

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BEST AVAILABLE COPY

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EPA Reg. No. 10163-170 Lbs. Net Wt. kg
EPA Est. No.

Gowan Company

EPA Reg NO 10163-170 EPA Est No 10163-AZ-1 P O Box 5569 Yuma, AZ 85366

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Grape Berrymoth*								
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Gypsy Moth*	X	X						
Aphids (Green Apple)	X	X						
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Apple Maggot	X			Х	X			
Codling Moth	X	X			X			
Fruittree Leafroller*	X	X				X		
Omnivorous Leafroller								
Pear Psylla		X						
Plum Curculio	X	X	X	X	X	X	X*	
Redbanded Leafroller	X	X		X	X			
Tarnished Plant Bug**	X	X	X					
Oriental Fruit Moth			X	X	X			
Peack Twig Borer			X	X	X	X		X
European Red Mites**	X	X	X	X	X	X		
Two-Spotted Miles**	X	X	X	X	X	X		
Green Fruitworm	X							
Japanese Beetle	X		X			X		

RECOMMENDATIONS (continued)

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Obliquebanded									
Leafroller*	X								
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Blueberry Maggot*								X	
Cranberry Fruitworm*		• •						X	
California Red Scale**	*								
Brown Soft Scale***									
Pecan Nut Casebearer**	**								X
Pecan Weevil									X
Hickory Shuckworm									X

* Northeastern U.S. Only

** For Suppression Only

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*** Texas Only

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BEST AVAILABLE COPY