



Reg # 10182-228

PM-15

1991

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

300,538,7200
174

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

Mr. Andrew A. Davidson
Pesticide Regulatory Specialist
ICI Americas, Inc.
Agricultural Products Division
Concord Pike & New Murphy Road
Wilmington, Delaware 19887

JAN 15 1991

Dear Mr. Davidson:

Subject: **REVISED LABELING**
IMIDAN[®] 1-E Insecticide
EPA Registration Number 10182-228
Your Submission Application Dated December 12, 1990

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided you make the following label revision:

In the environmental hazard section, revise statement pertaining to contamination of water to read, "Do not contaminate water when disposing of equipment washwater".

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

Sincerely,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

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Imidan 1-E Prof Container
IMI228C.RSA
RS-110790A

IMIDAN® 1-E Insecticide

**An Emulsifiable Concentrate
Recommended for Agricultural/Industrial Use Only**

**For Control of Insects Specified in the Directions on Deciduous Shade Trees,
Evergreens, Ornamental Flowering Trees and Shrubs and Roses**

ACTIVE INGREDIENT:

Phosmet: N-(Mercaptomethyl)phthalimide
S-(C-C-dimethyl phosphorodithioate) 11.7%

INERT INGREDIENTS: 88.3%
100.0%

Contains 1 Lt IMIDAN Per Gallon

KEEP OUT OF REACH OF CHILDREN

WARNING

EPA Reg. No. 10182-228
EPA Est. No.

___ GAL. NET ___ L

Made In U.S.A. by
ICI Agricultural Products
A business unit of ICI Americas Inc.
Wilmington, DE 19897

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JAN 15 1991

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No. 10182-228

STATEMENT OF PRACTICAL TREATMENT

CALL A POISON CENTER OR A PHYSICIAN IMMEDIATELY: 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 compound is a cholinesterase inhibitor. Describe the type and extent of exposure, the victim's symptoms and follow the advice given.

IF SWALLOWED: Immediately give several glasses of water but **DO NOT** induce vomiting. If vomiting occurs, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

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. 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: Immediately flush eyes gently with large amounts of running water for at least 15 minutes. Hold eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.

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.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D (327-8633).

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

For other product information, contact your local ICI Americas Distributor or see Material Safety Data Sheet.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

- Causes eye irritation.
- May cause skin irritation.
- May be harmful if swallowed or inhaled. Avoid breathing spray mist.
- Do not get in eyes, on skin or on clothing.
- In case of contact, flush eyes with plenty of water for at least 15 minutes. For skin contact, flush with plenty of water. Wash contaminate clothing with soap and hot water before re-use. Wash thoroughly after handling and before eating or smoking.
- Do not contaminate food or feed.

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.

PHYSICAL HAZARDS

- Combustible. Do not use, store, pour, or spill near heat or open flame. Keep container closed when not in use.

PRODUCT INFORMATION

- MIX WELL BEFORE USING.
- IMIDAN 1-E is an emulsifiable liquid for use in water for spray applications. Combinations with other insecticides and fungicides have not been fully tested at this time. It is not compatible with alkaline materials such as lime or bordeaux mixtures.
- Read all label directions before using. Apply this product only as specified on this label.
- Keep children and pets away from immediate area while spraying.
- Do not apply during periods of abnormally high humidity.
- Do not overdose.
- Do not apply this product through any type of irrigation equipment.

INSECTS CONTROLLED BY IMIDAN 1-E ARE THE FOLLOWING:

Birch Leafminer	Leaf Tiers
Elm Leaf Beetle	Maple Aphid
Elm Spanworm	Mealy Bug
European Red Mite	Mimosa Webworm
Fall Cankerworm	Pine Bark Aphid
Fall Webworm	Rose Aphid
Forest Tent Caterpillar	Spring Cankerworm
Fruit Tree Leaf Roller	Two-Spotted Mite
Green Apple Aphid	Willow Leaf Beetle
Gypsy Moth	Wooly Apple Aphid
Japanese Beetle	Woolly Beech Aphid

RECOMMENDATIONS:

IMIDAN 1-E may be used on the following plant species:

Shade Trees:

Ash	Elm	Maple
Beech	Hickory	Oak
Birch	Locust	Willow

Flowering Trees and Shrubs:

Crape Myrtle	Jasmine
Dogwood	Lilac
Euonymus	Magnolia
Forsythia	Privet
Hawthorne	(DO NOT USE ON WASHINGTON HAWTHORNE)

Evergreens:

Arborvitae	Juniper
Azalea	Mountain Laurel
Boxwood	Pine
Cotoneaster	Pyracantha
Fir	Rhododendron
Hemlock	Spruce
Holly	Yew

Roses

DIRECTIONS FOR USE

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

- MIX WELL BEFORE USING.
- As a general foliar spray on shade trees and ornamentals, use 1 to 3 quarts per 100 gallons of water in a hydraulic sprayer (2 to 6 teaspoonfuls per gallon) or 1 to 3 gallons per 50 gallons of water in a mist blower. Apply thoroughly to all plant surfaces when insects appear, repeat as necessary.

NOTE: The dilutions given for mist blowers are based on 8 times the concentration used for hydraulic sprayers. Adjustment should be made in accordance with the manufacturer's directions for the capacity of each mist blower.

- Pour the recommended amount of IMIDAN 1-E into the spray tank during the filling operations.
- Improved wettability can be achieved with the addition of a spreader sticker.
- Do not apply this product through any type of irrigation equipment.

DOSAGE RATES	
INSECTS	HYDRAULIC SPRAYER DILUTIONS
Green Apple Aphid Maple Aphid Rose Aphid Woolly Apple Aphid Woolly Beech Aphid	Use 1 to 2 quarts/100 gallons.
Elm Leaf Beetle Elm Spanworm Fall Cankerworm Fall Webworm Forest Tent Caterpillar Gypsy Moth Japanese Beetle Leaf Tiers Spring Cankerworm Willow Leaf Beetle	Use 2 to 3 quarts/100 gallons Use 2 quarts for early instars.
Birch Leafminer European Red Mite Mealy Bug Pine Bark Aphid	Use 2 quarts/100 gallons.
Fruit Tree Leafroller Mimosa Webworm Two-Spotted Mite	Use 3 quarts/100 gallons.

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 shade trees, evergreens, and ornamental trees.

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.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL

Storage: Store only in original container. Protect from temperatures below 25°F. Product crystallizes at lower temperatures. Warm or store at higher temperatures and mix to redissolve crystals and assure uniformity before use. Do not store near sources of heat or open flame.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved water disposal facility.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Spill or Leak: Small spills can be handled routinely. Use adequate ventilation and wear an air-supplied respirator to prevent inhalation. Wear suitable protective clothing to prevent skin and eye contact. Use the following procedures:

- Spread a suitable absorbent such as clay, sawdust or kitty litter on the spilled material.
- Place sweepings in an appropriate chemical waste container.
- 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 2-3 minutes.
- Spread absorbents on the slurried liquid and shovel the absorbed material into the container.
- Repeat if necessary.
- Flush the area with water while observing proper environmental considerations.
- Seal container and dispose of in approved pesticide landfill.

Large spills should be handled according to a predetermined plan. For assistance in developing a plan, contact ICI Agricultural Products, ICI Americas Inc., Wilmington, Delaware 19897.

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**DIRECTIONS FOR USE AND
CONDITIONS OF SALE AND WARRANTY**

IMPORTANT: Read the Entire Directions for Use and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND LIMITED WARRANTY:

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 inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY.

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIVE REMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

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.