



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

NOV 06 1995

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mr. Christopher Davis
Registration Manager
Elf Atochem North America, Inc.
Agrichemicals Division
2000 Market Street, 21st. Floor.
Philadelphia, PA 19103-3222

Dear Mr. Davis:

Subject: Deletion of Mustard Greens
Kryocide Insecticide
EPA Registration No. 4581-116
Label Amendments Submitted August 30, 1995
Response to SRRD/EPA Letter of November 18, 1993
Federal Register Notice of August 17, 1994

In addition to the deletion of mustard greens, the subject label amendment represents an overall reduction in the application rates, adds new use restrictions including limits on the maximum amount to be applied per season and adds preharvest intervals. To support continued registration of certain crops, you had elected to propose new tolerances in lieu of conducting additional residue field trials for the crops and a petition proposing amended tolerances for the crops, cabbage, citrus, collards, eggplant, lettuce, peaches and tomatoes has been received by the Agency. Additionally, it is noted for the record, that additional residue data for cucumbers have been provided. The supported use patterns for the crops appearing on the subject amended label will be subject to reassessment upon evaluation of the proposed tolerances and the additional cucumber data; and to reassessment during preparation of the RED.

Based on the preceding discussion, the labeling is being accepted at this time subject to the condition specified below.

The subject labeling amendment showing the deletion of the crop mustard greens, submitted in connection with registration under FIFRA, is acceptable, provided that you:

1. Submit one copy of your final printed labeling incorporating the following corrections before you release the product for shipment.

- a. The September 30, 1995 expiration date for the sale,

BEST AVAILABLE COPY



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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distribution or use of cryolite on potatoes has been extended until March 1, 1996 pending completion of our evaluation of your June 15, 1995 request for removal of this expiration date.

Accordingly, the following statement must be added to the subject labeling which bears the use on potatoes.

"Not for sale, distribution, or use on potatoes after March 1, 1996."

b. In your directions for use on grapes, revise the recommended maximum application rate from a total of 28 pounds per acre per crop year (20 pounds maximum for application prior to harvest + 8 pounds maximum after harvest) to the current registered maximum of 20 pounds per acre per crop year.

For further consideration of the proposed increase in the maximum application per acre per crop year, resubmit your proposed directions as a separate amendment for our evaluation.

c. Revise the claim for kiwi to read, "kiwi for use only in California " as it appeared on your previously submitted label.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (7504C)

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KRYOCIDE.

INSECTICIDE

ACTIVE INGREDIENT

Cryolite: sodium aluminofluoride (Fluorine-not less than 50%) .. 96.0%

INERT INGREDIENTS 4.0%

TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

HAZARDOUS IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED. CAUSES MODERATE EYE IRRITATION. For additional Precautionary Statements, Directions for Use refer to appropriate panel.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting in, or give anything by mouth to, an unconscious or convulsing person.

If on Skin: Wash with soap and water.

If Inhaled: Remove victim to fresh air.

If in Eyes: Hold eyelids open and flush with a steady gentle stream of water for 15 minutes.

ACCEPTED
with COMMENTS
in EPA Letter 15300

EPA Registration No. 4581-116

EPA Establishment No. 33770-JP-01

OCT 26 1995

Net Weight 30 Lbs. (13.61 kg)

Sold by:

ELF ATOCHEM NORTH AMERICA, INC. AGCHEM DIVISION
PHILADELPHIA, PA 19103-3222

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

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WARRANTY AND DISCLAIMER

Elf Atochem North America warrants that this material conforms to the chemical description on the label and is reasonable fit for the purposes referred to in the Directions for Use, subject to the risks referred to therein. ELF ATOCHEM MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL ELF ATOCHEM OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, BUSINESS REPUTATION, OR CUSTOMERS; LABOR COST; OR OTHER EXPENSES INCURRED IN PLANTING OR HARVESTING.

Elf Atochem and seller offer this product and the buyer and user accept it subject to the foregoing conditions of sale and warranty which may be varied only by agreement in writing signed by a duly authorized representative of Elf Atochem.

Made in Japan

5-E617S-03 E3 (08/23/95)

Printed in Japan

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)**

CAUTION

Precautionary Statements:

HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN, OR INHALED. CAUSES MODERATE EYE IRRITATION. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist.

Personal Protective Equipment:

Applicators and other handlers must wear:

- Longsleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

Users should:

- Wash Hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

STORAGE AND DISPOSAL

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

Storage Instructions: Store in the original container in a dry area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling sweep up spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.

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

Container Disposal Instructions: 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.

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GENERAL INFORMATION

KRYOCIDE is a fine powder and suitable for spray application by ground equipment or air. A thorough application should be made, covering the underside of the leaves as well as the top if possible. Some processors may have additional use restrictions, check with your processor. This product is compatible with Integrated Pest Management (IPM) Programs.

KRYOCIDE is recommended for control of the insects on the crops listed below. Kryocide may be used in combination with other commonly used pesticides and approved spray-tank adjuvants.

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

NOTE: Do not use KRYOCIDE in combination with lime or compounds containing free lime.

Remove visible residues on edible portions of fruit and vegetables by washing, brushing, field trimming or other effective means.

DIRECTIONS FOR USE ON VEGETABLE AND FRUIT CROPS

Vegetable and fruit crops: Apply in a minimum of 5 gallons of water by air and in a minimum of 10 gallons of water by ground or in sufficient spray volume to obtain thorough coverage. Use the higher rate for severe insect infestations.

CROP	INSECTS	RATE LBS/A	REMARKS
Broccoli Cabbage Cauliflower Brussel sprouts† Kohlrabi†	Cabbage Looper Cutworms Corn Earworm Diabrotica Beetles Diamondback Moth Caterpillar Flea Beetles Imported Cabbageworm Yellowstriped Armyworm	8-16	Apply as needed with a minimum of 14 days between applications. Do not exceed 96 lbs. per acre per season. Do not apply within 14 days of harvest.
Cucumber	Cabbage Looper Diabrotica Beetles Cucumber Beetles Flea Beetles Melonworm Pickleworm	8-12	Apply as needed with a minimum of 10 days between applications. Do not exceed 48 lbs. per acre per season. Do not apply within 14 days of harvest.
Squash Melons	Cabbage Looper Diabrotica Beetles Cucumber Beetles Flea Beetles Melonworm Pickleworm	8-16	Apply as needed with a minimum of 7 days between applications. Do not exceed 64 lbs. per acre per season. Do not apply within 14 days of harvest.

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Collards	Cabbage Looper Cutworms Corn Earworm Diabrotica Beetles Diamondback Moth Caterpillar Flea Beetles Imported Cabbageworm Yellowstriped Armyworm	8-16	Apply as needed with a minimum of 10 days between applications. Do not exceed 96 lbs. per acre per season. Do not apply within 14 days of harvest.
Citrus	Citrus Cutworm Fruittree Leafroller Fuller Rose Beetle Garden Tortrix Halcocera Katydid Orange Tortrix Orangedog Variegated Cutworm Blue Green Citrus Root Weevil†	8-20	Apply as needed with a minimum of 30 days between applications. Do not exceed 90 lbs. per acre per season. Do not apply within 15 days of harvest.
Grapes	Flea Beetles Climbing Cutworms	4-10	Apply as needed with a minimum of 21 days between applications. When needed to control later broods, make additional applications after the fruit is $\frac{1}{4}$ " or larger in diameter or as needed. Do not apply more than 20 pounds per acre per crop year. Do not apply within 30 days of harvest. For application for grapes grown for table use after the fruit is $\frac{1}{4}$ " or larger in diameter, use of concentrate sprays will reduce visible residue spots which may result from the use of dilute applications at that stage.
	Omnivorous Leafroller Yellow Striped Armyworm	6-10	
	Grape Leafroller Orange Tortrix Western Grapeleaf Skeletonizer Grape Berry Moth†	5-8	
Grapevines, after harvest	Cutworms Grape Leafroller Omnivorous Leafroller Orange Tortrix Western Grapeleaf Skeletonizer Grape Berry Moth†	5-8	For control of leaf feeding insects after all harvestable fruit or raisins have been removed from the vineyard. Apply before leaf drop while insects are actively feeding. Do not exceed 8 lbs. per acre per season for post harvest use.

Kiwi	Omnivorous Leafroller	10	Apply with ground equipment only, using sufficient water to obtain thorough coverage, up to 200 gallons spray per acre. Apply as needed with a minimum of 15 days between applications. Do not exceed 40 lbs. per acre per season. Do not apply within 30 days of harvest.
Lettuce, head varieties	Armyworm Cabbage Looper Corn Earworm Tobacco Budworm	8-20	Apply as needed with a minimum of 7 days between applications. Do not exceed 160 lbs. per acre per season. Do not apply within 14 days of harvest.
Lettuce, leaf varieties	Armyworm Cabbage Looper Corn Earworm Tobacco Budworm	8-20	Apply as needed with a minimum of 7 days between applications. Do not exceed 160 lbs. per acre per season. Do not apply within 14 days of harvest.
Peppers	Hornworms Pepper Weevil Omnivorous leafroller	8-12	Apply as needed with a minimum of 7 days between applications. Do not exceed 24 lbs per acre per crop. Do not apply with 14 days of harvest.
Potatoes†	Colorado Potato Beetle	10-12	Apply by air in 5-15 gallons of water per acre or by ground in 15-100 gallons of water per acre at a minimum of 7 day intervals. Do not apply more than 96 pounds of KRYOCIDE per acre per season. Application to exposed tubers may result in excess residues.
Tomatoes Eggplant†	Colorado Potato Beetle Larvae† Blister Beetles Cabbage Looper Flea Beetles Fruitworms Hornworms Tomato Pinworm	8-16	Apply as needed with a minimum of 7 days between applications. Do not exceed 64 lbs. per acre per season. Do not apply within 14 days of harvest.

† Not registered for this use in California.

DIRECTIONS FOR USE ON ORNAMENTALS

CROP	INSECTS	RATE LBS/A	REMARKS
Ornamentals Shade Trees	Codling Moth Flea Beetles Fuller Rose Beetle Gypsy Moth Caterpillars Katydid Plum Curculio Leafrollers	8-24	Apply in a minimum of 5 gallons of water by air and in a minimum of 10 gallons of water by ground. Use sufficient water volume to obtain thorough coverage of the plants. Use the higher rate for severe insect infestations.