



PM-14

Reg # 10163-41

Yellow 198

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

AUG 17 1995

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Mr. Ron Barends
Regulatory Administrator
Gowan Company
P.O. Box 5569
Yuma, AZ 85366

Dear Mr. Barends:

Subject: Deletion of Beans, Mustard, Turnips, Radishes,
Cucumbers, Apples, Pears, and Strawberries
Prokil Cryolite 96
EPA Registration No. 10163-41
Your Labeling Submitted June 12, 1995
Federal Register Notice of August 17, 1994

In addition to the deletion of the crops listed above, the subject label amendment represents an overall reduction in the application rates, adds new use restrictions including a limit 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. It is understood that these petitions will be submitted by the Cryolite Task Force within the next two weeks. The supported use patterns for the crops appearing on the subject amended label will be subject to reassessment upon submittal and evaluation of the tolerance petitions referenced in your June 12, 1995 letter and to reassessment during preparation of the RED.

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

The subject labeling amendment showing the deletion of the crops listed above, 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 use of the product on potatoes must remain on the label pending completion

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of our evaluation of your May 3, 1995 request for removal of this expiration date. The revised instruction to apply by air in a minimum of 4 gallons of water per acre is acceptable.

b. In your directions for use on grapes, remove the newly proposed directions for use of the product as multiple early season low rate applications on grapes and revise the recommended maximum application rate from 28 pounds to the previously proposed 28 pounds per acre per crop year. These directions and increase in the maximum application did not appear on your labeling previously submitted for the deletion of the subject uses.

For further consideration of these proposed use directions, resubmit your proposed directions as a separate amendment for our evaluation.

2. Submit the tolerance petitions for the crops listed in your letter of June 12, 1995 within the next two weeks. These crops are cabbage, citrus, collards, lettuce, and peaches.

3. Submit the results of the '94 cranberry residue field trials no later than three months from the date of this letter. You are reminded that your request to retain the cranberry use on the label was approved based on a commitment to provide the residue data needed to support reregistration of this crop by the fall of 1995.

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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PROKIL Cryolite 96

ACTIVE INGREDIENT:	% by Wt.
Sodium aluminofluoride*	96%
INERT INGREDIENTS	4%
	Total 100%

*Fluorine expressed as elemental.....50%

KEEP OUT OF REACH OF CHILDREN CAUTION

ACCEPTED
with COMMENTS
in EPA Letter Dated

AUG 17 1995

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN, wash with soap and water.

IF IN EYES, flush eyes with plenty of clear water for at least 15 minutes.

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

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN, OR INHALED. CAUSES MODERATE EYE IRRITATION. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist or dust. FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE), CALL CHEMTREC (800) 424-9300. For other product information, contact Gowan Company or see Material Safety Data Sheet.

Personal Protective Equipment

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning and 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

For terrestrial uses: 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 contaminate water when disposing of equipment washwaters.

NET CONTENTS _____ LBS.

GOWAN

EPA Reg. No. 10163-41
EPA Est. No. 67545-AZ-1

Gowan Company
P.O. Box 5559
Yuma, AZ 85366

DIRECTIONS FOR USE

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It is violation of Federal law to use this product in 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 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) 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

CHEMIGATION STATEMENT

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

GENERAL USE DIRECTIONS AND PRECAUTIONS

READ entire label. Use strictly in accordance with cautions and directions and with applicable State and Federal regulations. Uses, timing and dosage may vary as a consequence of local weather and conditions. We recommend reference to State Agricultural Extension Service concerning specific uses.

This product is formulated for application by ground or air equipment.

NOTE: Do not apply under conditions involving possible drift to food, forage or other planting that might be damaged, or the crops thereof rendered unfit for sale, use or consumption.

Do not use PROKIL Cryolite 96 in combination with lime, or compounds containing free lime.

Applications in spray solutions above pH 7.5, spray solutions below pH 4, or in combination with calcium foliar nutrients should not be made due to possible crop injury on some crops.

Information is not available on the compatibility of PROKIL Cryolite 96 with all other pesticides. Before tank mixing with any other material, consult your local Extension Office.

Cryolite is a stomach poison. Sufficient amounts of treated plant material must be ingested by insects in order to achieve control. To minimize plant damage, make through coverage applications at first indication of insect pressure.

CROP RECOMMENDATIONS

BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER: Cabbage looper, climbing cutworms, *Diabrotica* beetles (including cucumber beetles), diamondback moth, flea beetles, imported cabbageworm, yellowstriped armyworm: Apply 10-12 lbs. per acre per application or up to 16 lbs. per acre if insect pressure is severe. Do not apply more than 96 lbs. per acre per season. Dilute in a minimum of 40 gallons of water per acre in ground equipment and a minimum of 5 gallons of water per acre in aircraft. Allow at least 7 days between applications. Do not apply within 7 days of harvest.

CABBAGE: Cabbage looper, climbing cutworms, *Diabrotica* beetles (including cucumber beetles) diamondback moth, flea beetles, imported cabbageworm, yellowstriped armyworm: Apply 10-12 lbs. per acre per application or up to 16 lbs. per acre per application if insect pressure is severe. Do not apply more than 128 lbs. per acre per season. Dilute in a minimum of 40 gallons of water per acre in ground equipment and a minimum of 5 gallons of water per acre in aircraft. Allow at least 7 days between applications. Do not apply within 14 days of harvest. Remove wrapper leaves prior to shipping.

CANTALOUPE, WATERMELON, WINTER SQUASH: Cabbage looper, *Diabrotica* beetles (including cucumber beetles), flea beetles, melonworms, pickleworms, Colorado potato beetle: Apply 10-12 lbs. per acre per application, or up to 16 lbs. per acre per application if insect pressure is severe. Do not apply more than 80 pounds per acre per season. Dilute in a minimum of 25 gallons of water per acre in ground equipment and a minimum of 10 gallons of water per acre in aircraft. Allow at least 7 days between applications. Do not apply within 14 days of harvest.

COLLARDS: Cabbage looper, climbing cutworms, *Diabrotica* beetles (including cucumber beetles), diamondback moth, flea beetles, imported cabbageworm, yellowstriped armyworm: Apply 10-12 lbs. per acre per application, or up to 16 lbs. per acre per application if insect pressure is severe. Do not apply more than 96 lbs. per acre per season. Dilute in a minimum of 30 gallons of water per acre in ground equipment and a minimum of 10 gallons of water per acre in aircraft. Allow at least 10 days between applications. Do not apply within 14 days of harvest.

CRANBERRIES: Black vine weevils, strawberry root weevils, cranberry weevils, gypsy moth, false armyworm, *Sparganothis* fruitworm, cranberry fruitworms, cutworms, spanworms, fireworms, cranberry tipworms: Apply 10 - 12 lbs. per acre at first sign of pest pressure. Dilute in a minimum of 20 gallons of water in ground equipment and a minimum of 5 gallons of water in aircraft. Allow at least 30 days between applications. Do not apply more than 36 lbs. of PROKIL Cryolite 96 per acre per year. Allow 30 days between the last application and harvest.

GRAPEFRUIT, LEMONS, ORANGES: Citrus cutworms, fruittree leafroller, garden tortrix, *Halcocera*, katydids, orangedog, variegated cutworms, Fuller rose beetle, orange tortrix: Apply 25-30 lbs. per acre per application. Do not apply more than 90 lbs. per acre per season. Dilute in a minimum of 100 gallons of water per acre in ground equipment. Allow 30 days between applications. Do not apply within 15 days of harvest.

GRAPES (Grown For Raisins, Wine and/or Table-Fresh Market):

Grape leaffolder, orange tortrix, grapeleaf skeletonizer: apply 5-8 lbs. per acre per application. Omnivorous leafroller, yellowstriped armyworm: Apply 6-10 lbs. per acre per application. Flea beetles, climbing cutworms: apply 4-10 lbs. per acre per application. Grape berry moth: apply 10 lbs. per acre per application.

NOTE: Apply PROKIL Cryolite 96 as needed, but allow 14 days between applications and apply no more than 20 lbs. per acre for preharvest use per crop year. Do not apply later than 30 days to harvest. Dilute in a minimum of 20 gallons of water in ground equipment and a minimum of 5 gallons of water in aircraft. Ground application is preferred.

Multiple Low Rate Applications: For control of early season grape leaffolder, grapeleaf skeletonizer, and omnivorous leafroller, make 2 or 3 applications of 3 to 5 lbs per acre.

NOTE: For multiple early season applications. A total of 8 to 10 lbs. per acre of Prokil Cryolite 96 must be applied prior to fruit formation to achieve control. There is no restriction for the retreatment interval for early season applications made prior to fruit formation. After fruit formation, allow 14 days between the last early season application and the following retreatment and any subsequent applications. Apply no more than 20 lbs. per acre for preharvest use per crop year. Do not apply later than 30 days to harvest. Dilute in a minimum of 20 gallons of water in ground equipment and a minimum of 5 gallons of water in aircraft. Ground application is preferred.

Post Harvest Application: For control of leaf feeding insects such as grapeleaf skeletonizer, tomato hornworm, grape leaffolder and orange tortrix: Apply 5 to 8 lbs. per acre after fruit or raisins have been removed from the vineyard.

NOTE: Apply PROKIL Cryolite 96 as needed, apply no more than 28 lbs. per acre for the combination of preharvest and post harvest use per crop year. Apply post harvest but prior to fall leaf drop and while insects are actively feeding.

Limitations and precautions: Growers must inform the processors that PROKIL Cryolite 96 has been used on the crop and that raisins must be washed. Application to grapes made at temperatures exceeding 85 degrees may cause marginal leaf burn.

Precaution for use on table grapes: Physical residues may be visible at harvest when application is made on maturing fruit, especially on the darker varieties. Local discretion should be used.

WIFRUIT (CALIFORNIA ONLY): Omnivorous leafroller: Apply 10 lbs. per acre with ground equipment only using 200 gallons of spray per acre. Apply up to 4 applications per season with a 15-30 day interval between applications. Do not apply within 30 days of harvest.

LETTUCE (Head Lettuce Only): Cabbage loopers, armyworms: Apply 10-12 lbs. per acre per application, or up to 20 lbs. per acre per application if insect pressure is severe. Do not apply more than 160 lbs. per acre per season. Dilute in a minimum of 25 gallons of water per acre in ground equipment and a minimum of 10 gallons of water per acre in aircraft. Allow at least 7 days between applications. Do not apply within 14 days of harvest. Remove wrapper leaves prior to shipping.

ORNAMENTALS, SHADE TREES: Codling moth, flea weevil, Fuller rose beetle, gypsy moth, katydids, plum curculio: Apply 25-30 lbs. per acre per application.

Peaches (Cling and Freestone): Peach Twig Borer

For control of peach twig borer emerging from hibernacula, make a minimum of 2 applications of 6 to 8 lbs. per acre. Time the first application to the early peach twig borer emergence, followed by a second application within 10 - 14 days of the first. Do not apply to Freestone Peaches after petal fall.

Peaches (Cling ONLY): Climbing Cutworm, Green fruitworm, Omnivorous leafroller

Apply 6-12 pounds per acre.

NOTE: For all Cryolite applications to peaches. Do not apply more than 24 pounds PROKIL Cryolite 96 per acre per season. Do not apply within 45 days of harvest. Thorough coverage is required for control. Apply in a minimum of 20 gallons per acre in ground equipment and a minimum of 20 gallons per acre in aircraft. Prior to petal fall make applications at 10 - 14 day intervals. For applications made after petal fall - Allow 40 days between applications.

PEPPERS: Armyworms, blister beetles, cabbage loopers, flea beetles, hornworms, Colorado potato beetle: Apply 10-12 lbs. per acre per application. Do not apply more than 24 lbs. per acre per season. Dilute in a minimum of 55 gallons of water in ground equipment and a minimum of 10 gallons per acre in aircraft. Allow at least 7 days between applications. Do not apply within 14 days of harvest.

POTATOES: Colorado potato beetle: Apply 10-12 lbs. per acre per application. Apply by air in a minimum of 4 gallons of water per acre or by ground in 25-100 gallons of water per acre at a minimum of 7 day intervals. Do not apply more than 96 lbs. of PROKIL Cryolite 96 per acre per season. May be applied up to the day of harvest. Application to exposed tubers may result in excess residues.

SUMMER SQUASH: Cabbage looper, Diabrotica beetles (including cucumber beetles), flea beetles, melonworms, pickleworms, Colorado potato beetle: Apply 10-12 lbs. per acre per application, or up to 16 lbs. per acre per application if insect pressure is severe. Do not apply more than 64 lbs. per acre per season. Dilute in a minimum of 40 gallons of water per acre in ground equipment and a minimum of 5 gallons of water per acre in aircraft. Allow at least 7 days between applications. Do not apply within 7 days of harvest.

TOMATOES (EXCEPT CHERRY TOMATOES): Armyworms, blister beetles, cabbage loopers, flea beetles, hornworms, Colorado potato beetle: Apply 10-12 lbs. per acre per application, or up to 16 lbs. per acre per application if insect pressure is severe. Do not apply more than 64 lbs. per acre per season. Dilute in a minimum of 30 gallons of water in ground equipment and a minimum of 10 gallons per acre in aircraft. Allow at least 7 days between applications. Do not apply within 14 days of harvest.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

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.

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 directions or 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.

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