

279-2715

-4-18-1969

1/5

U. S. DEPARTMENT OF AGRICULTURE
 AGRICULTURAL RESEARCH SERVICE
 PESTICIDES REGULATION DIVISION

REGISTRATION NO.

279-2715

DATE OF ISSUANCE

April 18, 1969

NAME OF ECONOMIC POISON

NIAGARA PYRENONE CROP SPRAY
 INSECTICIDE

**NOTICE OF REGISTRATION UNDER THE FEDERAL
 INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT**

NAME AND ADDRESS OF REGISTRANT

**FMC Corporation
 Niagara Chemical Division
 100 Niagara Street
 Middleport, New York 14105**

Attention: Mr. William C. Ferguson

NOTE: Changes in labeling or formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Pesticides Regulation Division prior to use of the label in interstate commerce. In any correspondence on this product always refer to the above registration number.

On the basis of the information furnished by the registrant, the above named economic poison is hereby registered under Section 4 of the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this registration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this Department. In order to protect the public, the Secretary, on his own motion, may at any time cancel the registration of an economic poison in accordance with Section 4 (c) of the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by a trademark held by others.

The following paragraphs are applicable only when checked:

To expedite registration, this notice is being issued on the basis of the draft submitted with the application. Certain defects, given below, have been noted. These corrections must be incorporated when the printed labeling is prepared. Five copies of the printed labeling must be submitted to complete the file on this product.

The registration for this product is being issued with the understanding that certain defects in the labeling which are noted below will be corrected as soon as possible. Objection is not raised to the use of the present labeling for a reasonable period of time while fully corrected labeling is being prepared. Five copies of the corrected labeling must be submitted.

1. In accordance with Mr. William Ferguson's phone conference April 15, 1969, with Miss M. M. Walton, we have revised the broad label claim, "Pyrenone Crop Spray may be used in combination with other insecticides . . .," to read, "When applied according to accepted use cautions and directions Pyrenone Crop Spray may also be used in combination with other insecticides where resistant insects are a problem, or as an "exciter," where insects are flushed out of hiding and into contact with spray residues."

2. Add the following fish and/or wildlife cautions in a separate paragraph:

"This product is toxic to fish. Keep out of lakes, streams or ponds. Apply this product only as specified on this label."

3. Add a container disposal statement similar to the following:

"Do not reuse empty drum. Return to drum reconditioner or destroy by perforating or crushing and burying in a safe place."

Attachment is applicable.

SIGNATURE

~~HEAD, REGISTRATION SECTION~~

PESTICIDES REGULATION DIVISION

2/5

PR Form 9-225
USDA Reg. No. 279-2715

2

- 4. The front panel precautionary labeling must meet the type size and prominence requirements.
- 5. The registration number assigned above must appear on the label.

Sincerely yours,

Harold G. Alford
Assistant Director
for Registration

RFM

KFM:st
PL sheet



3/5

CODE

NET CONTENTS

ACCEPTED

_____ GALLON

APR 18 1969

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTRATION
ED UNDER NO. 279-2715
TO ATTACHED COMMENTS

PYRENONE® CROP SPRAY

Insecticide

USDA Reg. No. 279-_____

ACTIVE INGREDIENTS:

Pyrethrins	6.0%
*Technical Piperonyl Butoxide	60.0%
Petroleum Distillates	16.0%
INERT INGREDIENTS:	18.0%
	<u>100.0%</u>

*Equivalent to 48.0% (butylcarbityl) (6-propylpiperonyl) ether and 12.0% of related compounds.

CAUTION: KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed. Do not use in undiluted form.

DEALERS SHOULD SELL IN ORIGINAL PACKAGES ONLY.

TERMS OF SALE OR USE: On purchase or use of this product buyer and user agree to the following conditions:

WARRANTY: Niagara warrants that this product, as of the time of sale by Niagara, (1) conforms to the ingredient statement on the label, and (2) is reasonably fit for the purposes set forth in the Directions for Use. EXCEPT AS SO WARRANTED THE PRODUCT IS SOLD AS IS. NIAGARA MAKES NO OTHER WARRANTY EXPRESSED OR IMPLIED.

DAMAGES: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages. Notice of any claim must be reported to Niagara within 10 days of discovery by buyer or user, failing which buyer or user waives any claim for such damage.

EXCUSE FROM NON-CONTROLLABLE CONDITIONS: Because of certain critical conditions created or incurred by buyer or user or over which Niagara has no control, buyer and user, as a condition of purchase or use, assume responsibility for and release Niagara from, liability arising out of the handling or use of the product attributable to such causes. No person is authorized to vary or waive any statement contained herein.



DIRECTIONS FOR USE

When applied according to accepted use caution and directions

PYRENONE® CROP SPRAY is designed for use alone as a clean-up spray or pre-harvest spray where other materials cannot be used because of residue restrictions. PYRENONE CROP SPRAY may also be used in combination with other insecticides where resistant insects are a problem, or as an "exciter", where insects are flushed out of hiding and into contact with spray residues.

Apply the listed amount per acre and repeat as required to maintain effective control. Use in sufficient water for thorough coverage (usually 100 gallons) unless otherwise noted, for listed crops. Coverage of upper and lower leaf surfaces is essential for good control.

When used alone, PYRENONE CROP SPRAY may be used up to and including day of harvest.

ASPARAGUS: Asparagus Beetle - 2 to 6 oz.

BEANS: Aphids, Leafhoppers, White Fly, Mexican Bean Beetle, 12-Spotted Cucumber Beetle - 2 to 6 oz.

BROCCOLI, CABBAGE, BRUSSEL SPROUTS, CAULIFLOWER: Aphids, Cabbage Looper, Cross-striped Cabbageworm, Diamondback Moth Larvae, Flea Beetle, Harlequin Bug, Imported Cabbageworm, Stink Bug - 2 to 6 oz.

CELERY: Green Peach Aphid, Cabbage Looper, Leaf Tier - 2 to 6 oz.

CRANBERRIES: Fireworms, Leafhopper - 2 to 6 oz.

EGGPLANTS: Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid - 2 to 6 oz.

LETTUCE: Cabbage Looper, Green Peach Aphid, Diamondback Moth Larvae, Imported Cabbageworm - 2 to 6 oz.

PEPPERS: Green Peach Aphid - 2 to 6 oz.

POTATOES: Aphids, Colorado Potato Beetle, Flea Beetle, Leafhopper - 2 to 6 oz.

RADISH: Aphids, Flea Beetle - 2 to 6 oz.

SPINACH: Aphids, Cabbage Looper, Webworm - 2 to 6 oz.

TOMATOES: Green Peach Aphid, Colorado Potato Beetle, Stink Bug, Flea Beetle - 2 to 6 oz.

MOSQUITOES: May be used on croplands as an adulticide to protect agricultural workers during harvesting. Use at 1 oz./4 gals. water/acre when flown on by fixed wing aircraft.

DROSOPHILA: Fruit Fly Control: Dilute at the rate of 1 part Niagara Pyrenone Crop Spray with 1200 parts water (1 pint per 150 gallons or 1 tablespoonful with 4 gallons water). Thoroughly mix the emulsion in the spray tank. Make treatments as follows:



1. Apply liberally to tomatoes and fruits in baskets, on trucks and in plants. Use sprayers at a high pressure for applying at the rate of five or six pints of the diluted spray to a two-ton load of tomatoes. Direct the spray for a maximum coverage of the baskets or hampers. It is important to spray between and beneath the containers. This spray not only kills the flies, but the emulsion loosens any dead flies so that they are readily washed from the fruit.
2. Spray the raw stock stacked in the yard.
3. Dip baskets in the diluted spray after dumping the fruit to kill adhering larvae and pupae.
4. After washing and cleaning up the inside of the processing plant and just prior to bringing fruit into it, the entire space inside the cannery should be sprayed at a dilution of 1 part Niagara Pyrenone Crop Spray to 59 parts water (1 pint with 7 gallons 3 pints water or 2 tablespoonfuls with 3-1/4 pints water). At the rate of 1 gallon to 750 square feet (1 quart to 187 sq. ft.) direct spray on walls, ceilings, and floors paying special attention to forcing the spray into all cracks and crevices for the control of ants, roaches, silverfish, crickets, spiders and cheese mites.

For use as a space spray in the processing plants this dilution will give excellent control of flying insects, i.e. fruit flies, house flies, hornets, grain moths, gnats, mosquitoes and skipper flies. Apply at the rate of one-half ounce per 1000 cubic feet of space. Do not spray while the plant is in operation as dead flies may fall into containers or the product being processed.

SPACE SPRAY: To control flying insects such as fruit flies, hornets, wasps, grain moths, gnats, mosquitoes and skipper flies, dilute one part Niagara Pyrenone Crop Spray with 59 parts water (2 tablespoonfuls with 3-1/4 pints water). Use at the rate of one-half ounce per 1000 cubic feet of space. Direct the space treatment upward and whenever practical keep doors and windows closed for at least ten minutes after application.

VAPORIZER APPLICATORS: Where oil residues are not undesirable Niagara Pyrenone Crop Spray can be diluted in deodorized base oil instead of water at the dilution rate of 1-59, and applied by means of any good vaporizer type of applicator.

Manufactured In U. S. A. By

FAIRFIELD CHEMICALS
 NIAGARA CHEMICAL DIVISION
 FMC CORPORATION
 Middleport, New York