

PA 17 53771-5 194

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 53871-5	DATE OF ISSUANCE FEB 05 1991
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT Fermone B.t. Flowable Concentrate	

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
 (Under the Federal Insecticide, Fungicide,
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Fermone Corporation, Inc.
 c/o Pazianos Associates
 1338 G Street, SE.
 Washington, DC 20003

388395 / 1
 18 / 160

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

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with 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 others.

This product is conditionally registered in accordance with FIFRA, section 3(c)(7)(A) provides that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. Add the phrase "EPA Registration No. 53871-5" to your label before you release the product for shipment.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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

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

Phil Hutton
 Product Manager (17)
 Insecticide-Rodenticide Branch
 Registration Division (H75-560)

Enclosures

ATTACHMENT IS APPLICABLE

BEST AVAILABLE COPY

SIGNATURE OF APPROVING OFFICIAL


DATE
 1/31/91

Mar 19, 1991

FERMONE®

THE PEOPLE WHO MADE PHEROMONES WORK

FERMONE Bt Flowable Concentrate
for the control of Lepidopterous Larvae

53871-5

E.P.A. REG. NO. 53871

E.P.A. EST. NO. 53871-AZ-1

CAUTION - KEEP OUT OF REACH OF CHILDREN

If in eyes, flush with plenty of water. Get medical attention if irritation persists

Active Ingredients:

Bacillus thuringiensis Berliner var. kurstaki, Primary Powder Fermentation product, potency of 7,500 International Units per mg. of product (equivalent to 32 billion IU/gal).....	15%
Inert Ingredients:.....	85%
Total	100%

Precautionary Statements:

HAZARD TO HUMANS. May cause eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS. Do not contaminate water by cleaning equipment or disposal of waste.

Directions for Use

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

FERMONE Bt contains the spores and toxic crystals of Bacillus thuringiensis kurstaki. FERMONE Bt is a stomach poison and has high specific activity against lepidopterous caterpillars. Individuals eating FERMONE Bt stop feeding within hours and die 2-5 days later. Apply as soon as caterpillars are seen.

The use of a spreader-stick is recommended on cole crops. Good coverage is essential and spraying to run-off is recommended. The tank contents should be agitated to prevent settling.

Half fill the spray tank with water, add the correct quantity of FERMONE Bt and continue filling to obtain the proper mix ratio. Use the higher rates against heavy worm infestations or on advanced larval stages.

Spray Volumes

Aerial Application: Use recommended amount of FERMONE Bt in 3 to 20 gallons of water. Apply early morning or evening when air is calm.

Ground Application: Use recommended amount of FERMONE Bt in a minimum of 5 to 80 gallons of water depending on the type of crop.

Ground Applications to Trees and Vines: Use recommended amount of FERMONE Bt (per acre rate) in 100 gallons of water in high pressure, high gallonage sprayers. Wet foliage thoroughly with spray, but not to the point of excessive run-off. For mist blowers, use recommended amount (per acre rate) in 10-50 gallons of water.

Re-Entry

FERMONE Bt may be applied up to and including the day of harvest and in storage.

Storage and Disposal:

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

Storage: Store in a cool, dry place. Keep containers tightly closed when not in use. Store in temperatures above freezing and below 32 deg. C (90 deg. F).

Pesticide Disposal: Pesticide waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility in accordance with federal and local regulations.

Container Disposal: Triple rinse (or equivalent) then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Warranty

Limitation of damages: FERMONE Corporation, Inc., warrants that this material conforms to the chemical description and guaranteed limits of active ingredients as stated on this label. FERMONE Corporation, Inc., makes no other express or implied warranty of fitness or merchantability of any kind. FERMONE Corporation, Inc. maximum liability for breach of this warranty shall not exceed the purchase price of this product. In no event shall FERMONE Corporation, Inc. be liable for indirect or consequential damages. This warranty shall not be changed by oral or written agreement unless signed by a duly authorized officer of FERMONE Corporation, Inc. Buyer assumes all risk of use or handling whether in accordance with directions or not.

BEST AVAILABLE COPY

FERMONE CORPORATION, INC.

2620 N. 37TH DRIVE, PHOENIX, ARIZONA 85009 • 602-233-9047 • FAX: 602-254-7989

Application Rates:		Rates (lbs/acre*)
Crop	Pests	
Cotton	Loopers, bollworm, budworm, armyworm	1.0-2.0
Nut Tree	Redhumped caterpillars, fall webworm, tent caterpillars, omnivorous leaf-roller, filbert leafroller.	0.5-1.0
Tree Fruits	Redhumped caterpillars, tent caterpillars, omnivorous leafroller, tortrix moth, cankerworms, leafrollers, fruit tree leafroller, gypsy moth.	0.5-1.0
Citrus	Orange dog, fruit tree leafroller, citrus cutworm	0.5-1.0
Soybeans	Loopers, budworm, hornworm, velvet-bean caterpillar, cloverworm.	0.5-2.0
Alfalfa, Pasture hay	Alfalfa caterpillar	0.125-0.25
Small grains, forage crops	Armyworm, Looper	1.0-2.0
Sugar beets	Cabbage Looper, omnivorous leafroller, armyworm.	1.0-2.0
Vegetables of the following groups:	Imported cabbage worm, cloverworm, hornworm, alfalfa caterpillar	0.25-0.5
Root & Tuber Leaves of root and tuber	Webworms, loopers, cutworm, Saltmarsh caterpillar, Melonworm, pickleworm	0.5-1.0
Bulb Leafy Brassica (corie)	Armyworm, budworm, tomato fruit-worm, corn earworm, diamondback moth	1.0-2.0
Leafy legumes Foliage of legumes Fruiting, Cucurbit, Vines	Leaffolders, leafrollers, berry moths, tortrix moths, grapeleaf skeletonizer	0.5-1.0
Tobacco	Budworm, hornworm, looper	0.5-2.0
Turf	Sod webworm	1.0-2.0
Forests Shade trees Ornamentals Shrubs, Sugar Maple trees	Gypsy moth, spruce budworm browntail moth	1.0-2.5
	Tussock moths, pine butterfly, bagworm, leafrollers, tortrix, mimosa websorm, tent caterpillar, jackpine budworm, black-headed budworm, elm spanworm, saddled prominent and saddleback caterpillars	0.75-1.0
	Redhumped caterpillar, Spring and Fall cankerworm, California oakworm, Fall webworm.	0.5-1.0

2, 2
)

Application Rates: Crop	Pests	Rates (lb/acre*)
Greenhouse(e.g.tomato cucumber, flowers, lettuce, etc.)	Loopers, bollworm, diamondback moth, fruitworm, hornworm, armyworm	0.5-2.0
Stored products	Tobacco moth	0.5/lb in 6 gal.
	Almond moth, Indian meal moth, flour moth	2.0/lb in 3 gal.

* Use the higher recommended rates on advanced larval stages or under high density larval populators.

