

1 of 3

PM 15
1769-167

656/177348
17/8

NOV 10 1987

Mr. Mark S. Cohen
NCH Corporation
2727 Chemssearch Boulevard
Irving, TX 75062

Dear Mr. Cohen:

Subject: Amendment - Response to Data Requirements
of Disulfoton Registration Standard
STEM-AX
EPA Registration No. 1769-167
Your Application Dated July 7, 1986

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. Update the Environmental Hazards statement. Revise existing statement to read:

This pesticide is toxic to fish and wildlife.
Do not apply directly to water or wetlands.
Drift and runoff from treated areas may be hazardous to fish in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes. Cover or incorporate spills.

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CONCURRENCES

SYMBOL	ORIGINATOR						
SURNAME							
DATE							

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- b. Change "Note" to "Note to Physician" and revise to read as follows:

ANTIDOTE - Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine.

Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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 bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosure

BEST AVAILABLE COPY

STEM-AX 2% GRANULAR SYSTEMIC PESTICIDE FOR EFFECTIVE SYSTEMIC PLANT PROTECTION

INGREDIENTS:
 2% (2-ethylthio) ethyl
 phosphorothioate
INFORMANTS



KEEP OUT OF REACH OF CHILDREN
 See back of label for additional precautions.
 Reg. No. 1749-467

OR USE OR STORAGE IN OR AROUND THE HOME
 By and for maintenance personnel in professional applications on ornamental flowers and shrubs. STEM-AX is a highly effective systemic insecticide which is absorbed through the roots. The insecticide is then translocated to all parts of the plant, including the foliage on the plant.
 STEM-AX is available and often many forms of application, including broadcast, mixed with soil or broadcast in the form of transplants, side dressings, and other methods.

INSTRUCTIONS FOR USE:
 Violation of Federal Law (use this product in accordance with its labeling.)

ORNAMENTAL FLOWERS: To control aphids, scale, spider mites, mealybugs, and whiteflies, apply 2 1/2 ounces of STEM-AX for each 30 feet of row. Place STEM-AX...

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band over the soil and water thoroughly. The higher the soil and water content, the better. For broadcast applications on heavy organic or muck soil. For broadcast applications, apply 1/2 ounce of STEM-AX per 200 square feet of soil. For soil applications, apply 1/2 ounce of STEM-AX per 200 square feet of soil. Repeat applications at 4 to 6 week intervals if necessary. For application to potted plants, use 1 rounded tablespoon of STEM-AX 2% granular per 6 inches of soil. Mix thoroughly with the soil and drench with water.

ORNAMENTAL SHRUBS AND TREES: To control aphids, birch leaf miners, lace bugs, scale, mealybugs, mimosas webworms, miller, pine tip moths, thrips and whiteflies, apply 2 rounded tablespoons per foot for shrubs and trees up to 3 feet tall. Apply 4 rounded tablespoons per foot for shrubs and trees 3 to 6 feet tall. Distribute STEM-AX granules uniformly under the shrub or tree canopy. Work into the soil and water thoroughly. Repeat applications at 4 to 6 week intervals if necessary.

RESTRICTION: Application at higher than recommended rates may cause phytotoxicity. Do not apply broadcast applications to lawns.

PRECAUTIONARY STATEMENTS
HAZARD TO HUMAN AND DOMESTIC ANIMALS
DANGER

Poisoning may occur as a result of exposure. May be fatal if swallowed and absorbed through skin. Do not breathe the dust. Avoid contact with skin, eyes or clothing. Do not contaminate food or feed. Wash thoroughly after handling. Food utensils such as a teaspoon or measuring cup should not be used for food purposes after use with insecticides. Keep children and pets out of treated areas until the product is worked into the soil and treated areas have dried completely.

ENVIRONMENTAL HAZARDS:
 This pesticide is toxic to wildlife. Keep out of lakes, ponds or streams. Do not contaminate water by cleaning of equipment or disposal of waste. Use of this pesticide only as specified on the label.

STATEMENT OF PRACTICAL TREATMENT:
IF SWALLOWED: Call a physician or Poison Control Center immediately. If possible, vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by reaching the back of the throat with a finger. Do not induce vomiting or give anything by mouth to an unconscious person.

NOTE: Antidote is atropine. STEM-AX is also antidote. It may be administered to a patient with atropine.

IF INHALED: Remove the victim to fresh air. Apply artificial respiration if necessary.

IF ON SKIN: Remove contaminated clothing and wash areas with soap and water.

IF IN EYES: Flush the eyes with plenty of water. Call a physician immediately.

STORAGE AND DISPOSAL:
 Do not contaminate water, food, or feed by storage or disposal.

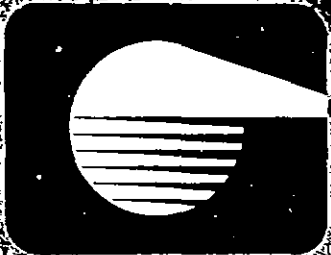
STORAGE: KEEP CONTAINER CLOSED.
 Store in a cool, dry place.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or empty container is a violation of Federal Law. If the pesticide cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative of the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Completely empty the liner by pouring and forcing the remaining material to loosen clinging particles. Empty the container. Seal the equipment. Then dispose of the liner in accordance with the regulations if allowed by state and local authorities. If the drum is contaminated or cannot be reused, dispose of in the same manner.

NOT FOR RESIDENTIAL USE AND STORAGE UNLESS APPLIED AND STORED BY SERVICE PERSONS.

TO REORDER:
 Call TOLL FREE: 1-800-527-9972
 In Texas: 500-442-0500



CHEMSEARCH

REG. EST. NO. 4140

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