

4/20/85

PM 15  
1769-167

APR 29 1985

C. Richard Stolley  
NCH Corporation  
2727 Chemsearch Blvd.  
Irving, TX 75062

Dear Mr. Stolley:

Subject: Amendment-General Label Update  
Stem-Ax  
EPA Registration No. 1769-167  
Your Application Dated December 13, 1984

301 / 142177  
17 / 5

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) is acceptable, provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

1. Add back to the user restriction "Not For Resale." The Agency approved such text in a November 20, 1981 letter from Douglas Camp for your firm's use.
2. This product is now subject to the requirements of the Disulfoton Registration Standard, which was issued recently. Note there are both label and data requirements required of end-use product holders. Refer to the guidance document for details.

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

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-767)

Enclosure

RD/IRB:JOB:50448:LaRocca:RD-25:eg:Kendrick & Co:898-1270:3/8/85:Del.3/19/85  
REVISED:JOB-85805:RD-85/10:EK:4/5/85:Del.4/12/85

CONCURRENCES

SYMBOL							
SURNAME	J. LaRocca						
DATE	4/12/85						

2 of 4

LEFT PANEL

NATIONAL CHEMSEARCH

STEM-AX

2% GRANULAR SYSTEMIC INSECTICIDE FOR  
EFFECTIVE SYSTEMIC PLANT PROTECTION

**ACTIVE INGREDIENTS:**

O,O-Diethyl S-(2-[ethylthio] ethyl)  
phosphorodithioate..... 2%

**INERT INGREDIENTS..... 98%**

**TOTAL..... 100%**

**DANGER**

(skull & crossbones)

(skull & crossbones)

**POISON**

**KEEP OUT OF REACH OF CHILDREN**

(See side panel for additional precautions.)

EPA Reg. No. 1769-167

NET CONTENTS:

NATIONAL CHEMSEARCH  
A Division of NCH Corporation  
2727 Chemsearch Blvd.  
Irving, Texas 75062

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

APR 29 1985

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

1769-167

CENTER PANEL

**NOT FOR USE OR STORAGE IN OR AROUND THE HOME**

For use by ground maintenance personnel in industrial, park and  
golf course applications on ornamental flowers and shrubs.

STEM-AX is a highly effective systemic insecticide entering the  
plant by absorption through the roots. The insecticide placed  
near the roots is translocated to all parts of the plant and  
kills sucking insects feeding on the plant.

STEM-AX is highly versatile and offers many forms of application.  
It can be drilled, broadcast, mixed with soil or banded in the  
furrow with seeds, bulbs or transplants. Side-dressings can be  
applied after plant emergence.

**PRECAUTIONARY STATEMENTS**

**HAZARD TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

Poisoning may occur as a result of exposure. May be fatal if  
swallowed. May be absorbed through skin. Do not breathe dust.  
Avoid contact with skin, eyes or clothing. Do not contaminate  
feed or food. 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 off  
treated areas until product is worked into the soil and treated  
areas have dried completely.

4  
3 of 4

**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. Apply 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 touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**NOTE:** Antidote -- atropine sulfate. 2-PAM is also antidotal and may be administered in conjunction with atropine.

**IF INHALED:** Remove victim to fresh air. Apply artificial respiration if indicated.

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

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

**STORAGE AND DISPOSAL**

Do not contaminate water, food, 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 rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

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

RIGHT PANEL

**DIRECTIONS FOR USE:**

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

**ORNAMENTAL FLOWERS:** To control aphids, lace bugs, leafhoppers, mites, thrips and whiteflies, apply 8 to 16 ounces of STEM-AX for each 30 feet of row. Place STEM-AX in a furrow or a band over a row. Work into soil and water thoroughly. The higher dosages are recommended for heavy organic or muck soil. For bedding plants, apply 16 ounces of STEM-AX per 200 square feet. Work into soil before planting or as a broadcast treatment after plants are established. Repeat applications at 4 to 6 week intervals if necessary. For application to potted plants, use 1 rounded teaspoonful of STEM-AX 2% Granular per 6 inch pot. Mix thoroughly with the soil and drench with water.

**ORNAMENTAL SHRUBS AND TREES:** To control aphids, birch leaf miner, lace bugs, leafhoppers, mimosa webworms, mites, pine tip moth, thrips and whiteflies, apply 2 rounded tablespoons per foot for shrubs and trees up to 3 feet tall. Apply 4 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 application 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.

**TO REORDER:**

In Texas, call 1-800-442-7950

Outside Texas, call 1-800-527-9921

(DATE)

-----EPA Est. No. 4140-----  
CA-1 IN-1 NJ-1 PR-1 TX-1

4  
8  
4