



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

JAN 28 1994

BARBARA BROWN
DREXEL CHEMICAL COMPANY
BOX 9306
MEMPHIS, TN. 38109

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 7/22/93 In Response to PR Notice 93-7
EPA Reg. No. 19713-2
DREXEL SUPER SPROUT STOP

IMPORTANT NOTICE: This Letter Requires You to Submit a Notification to the Office of Compliance Monitoring within 20 Days.

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments listed on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

SERIOUS ERROR(S) ON SUBMITTED LABELING:

EPA has determined that one or more of the errors on the labeling you submitted to the Agency is categorized as "serious" as defined in PR Notice 93-11. In general, serious errors are those that may create a potential for harm to workers, handlers, other persons, or the environment; or those that prevent the achievement of the basic goals of the Worker Protection Standard (WPS) or FIFRA.

YOU MUST NOT SELL OR DISTRIBUTE (INCLUDING RELEASE FOR SHIPMENT) ANY PRODUCT BEARING THE SUBMITTED LABELING. Sale or distribution of any product with the incorrect labeling is a violation of FIFRA that could result in initiation of an action for civil penalties and/or cancellation of your product. This matter has been referred to the Office of Compliance Monitoring (OCM) for further action.

YOU MUST SUBMIT A NOTIFICATION TO THE OFFICE OF COMPLIANCE MONITORING WITHIN 20 DAYS OF THE DATE OF THIS LETTER.



Recycled/Recyclable
Printed with SoyCarole Ink on paper that
contains at least 50% recycled fiber

Each notification must include the following information:

1. Registrant's name and address.
2. EPA Registration number of the product for which the labeling was submitted.
3. Whether any product already has been sold or distributed (this includes released for shipment) bearing the submitted labeling.

In addition, the notification must include the following information, IF you have already sold or distributed any product bearing the submitted labeling:

1. Quantity of the product that has been sold or distributed.
2. EPA Producing Establishment number.
3. Location of the product, if known.
4. Proposed plan for assuring that product with the incorrect labeling in your control, as well as that in the hands of dealers/distributors/users, will be corrected. The plan must include your proposal for assuring that the labeling is corrected as soon as possible.

Submit the notification to:

Michael Wood, Director
Compliance Division, (7203)
Worker Protection Notification
Office of Compliance Monitoring
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460

Failure to submit a notification also may result in initiation of an action under FIFRA for civil penalties, if you sold or distributed (this includes released for shipment) product bearing the incorrect labeling.

IN ADDITION, YOU SHOULD CONTACT IMMEDIATELY THE PERSONS TO WHOM YOU SOLD OR DISTRIBUTED YOUR PRODUCT AND INFORM THEM NOT TO SELL OR DISTRIBUTE ANY PRODUCT WITH THE INCORRECT LABELING.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the WPS labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have neither been reviewed nor accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Submit the required notification. Then by the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- **BEFORE** selling or distributing any product bearing the final printed labeling as amended

AND

- **WITHIN** one year from date of this acceptance.

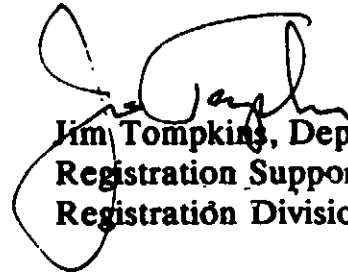
Submit the final printed labeling via the U.S. Postal Service to:

**Document Processing Desk (FIN-LABEL)
 Office of Pesticide Programs (7505C)
 U.S. Environmental Protection Agency
 401 M Street, SW
 Washington, D.C. 20460-0001**

Hand or courier deliveries of final labeling may be made to:

**Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis High. way
Arlington, VA 22202**

Sincerely,



**Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)**

Attachment

cc: Office of Compliance Monitoring

5 7 14

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Barbara Brown
DREXEL CHEMICAL CO
BOX 9306
MEMPHIS TN 38109

Comment for: EPA Reg Nr.19713-2
DREXEL SUPER SPROUT STOP

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

The glove requirement for "applicators and other handlers" in the "Personal Protective Equipment" section on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "Waterproof gloves." The exact location is shown in Sections A and B on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

Correct the typographical errors circled on your proposed label.

6 7 18

**DREXEL
Super Sprout Stop**

**Liquid Growth Retardant for Preventing the Sprouting
of Potatoes & Onions**

ACTIVE INGREDIENTS:

Potassium salt of 6-hydroxy-3-(2H)-
pyridazinone* 30.2%

INERT INGREDIENTS: 69.8%

TOTAL: 100.0%

*Hereafter called potassium salt of maleic hydrazide.
Product contains 2.25 pounds maleic hydrazide
equivalent per gallon.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

EPA REG. NO. 19713-2
EPA EST. NO. 19713-TN-1
NET CONTENTS:

MANUFACTURED BY:
DREXEL CHEMICAL COMPANY
P.O. BOX 9306 - MEMPHIS, TN 38109

11/15/88

Revisions 7/93

STATEMENT OF PRACTICAL TREATMENT
IF SWALLOWED: Call a physician or Poison Control Center. Drink
1 or 2 glasses of water and induce vomiting by touching back of
throat with finger. Do not induce vomiting or give anything by
mouth to an unconscious person.
IF IN EYES: Immediately flush eyes with plenty of water. Get
medical attention if irritation persists.
IF ON SKIN: ~~Immediately remove contaminated clothing, INCLUDING~~
~~SHOES,~~ and wash skin with soap and plenty of water. If
irritation develops, send for a physician.

ACCEPTED
with COMMENTS
In EPA Letter Dated

JAN 28 1994

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

19713-2

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION. HARMFUL IF SWALLOWED. Avoid breathing of spray mist. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
 Handlers who may be exposed to the dilute through application or other tasks must wear:
 Long-sleeved shirt and long pants
 Shoes plus socks

Handlers who may be exposed to the concentrate through mixing, loading, application or other tasks must wear:
 Long-sleeved shirt and long pants
 Shoes plus socks
 Waterproof gloves

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS
 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.
 Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water or 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.

DIRECTIONS FOR USE

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

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

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 with 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.

Personal Protective Equipment 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, soils or water is:

Coveralls
 Waterproof gloves
 Shoes and socks

TO CONTROL SPROUTING OF ONIONS IN STORAGE: Apply 5-1/2 to 7 pints SUPER SPROUT STOP in 100-150 gallons of water per acre with a ground sprayer. Airplane application can also be made. The spray should be applied when the bulbs are fully mature, have five to eight green leaves, and necks soft enough for the tops to fall if they have not already done so. The spray is often applied when 50% of the tops are still green. This condition usually occurs about two weeks to 10 days before harvest time. Green tops are essential for the absorption of SUPER SPROUT STOP.

CAUTION: Avoid too early spraying of edible onions. Spongy bulbs might result if spraying is done earlier than two weeks before maturity.

TO CONTROL SPROUTING POTATOES IN STORAGE: Apply 1 to 1-1/3 gallons SUPER SPROUT STOP in 30-150 gallons of water per acre by ground equipment. Airplane application can be made in irrigated sections of the country.

Check your field to see if you have a good set of potatoes. SUPER SPROUT STOP is applied when most of the tubers set are approximately one inch in diameter. This occurs when the few lower leaves show a yellow color. In areas where potatoes flower uniformly this is one week after blossoms fall of the vine, usually in August about 4 to 6 weeks before harvest. (See Notes 1 and 2).

TO CONTROL WILD ONIONS AND WILD GARLIC IN LAWNS AND GRASS AREAS ALONG HIGHWAYS (NOT PASTURE OR CROPLAND): Apply 1-1/3 to 2-2/3 gallons SUPER SPROUT STOP in 20-100 gallons of water per acre in spring or fall when about 90-95% of the bulbs have started regrowth. Use on lawns only when grass is brown and dormant. Do not use on home lawns except along the edges.

TO INHIBIT GRASS GROWTH: Apply SUPER SPROUT STOP to green grass since brown grass will not absorb the spray. One application per year made either in the fall or the spring followed by correct maintenance procedures will produce required turf growth control.

SPRING APPLICATION (ABOUT APRIL 10-JUNE 1) - Use 1-3/4 gallons SUPER SPROUT STOP in 50 gallons of water per acre to reduce or eliminate mowing.

FALL APPLICATION (ABOUT OCT. 1-NOV. 15) - Use 2-1/4 gallons SUPER SPROUT STOP in 50 gallons of water per acre to reduce growth next season. The fall treatment is applied to green grass before it becomes dormant.

DO NOT APPLY DURING THE SUMMER (JUNE 1-SEPT. 25) since most permanent grasses become partially dormant in summer.

USE OF 2,4-D: 2,4-D may be used with SUPER SPROUT STOP when control of broadleaf weeds is desired in turf. A low volatile ester or amine salt formulation is compatible with SUPER SPROUT STOP. In some areas weeds may emerge after SUPER SPROUT STOP is applied. A second application of 2,4-D would be necessary to control these weeds. Use 2,4-D only on grasses recommended by the manufacturer's label. Follow manufacturer's label when handling or spraying 2,4-D to prevent drift.

FOR INDUCING DORMANCY IN YOUNG NON-BEARING CITRUS TREES IN FLORIDA: SUPER SPROUT STOP by inducing dormancy offers protection against frost damage down to 21°F in recent experiments. Add 5 pints SUPER SPROUT STOP to 100 gallons water and spray with coarse cone nozzle between November 1-15. The spray should thoroughly wet upper and lower leaf surfaces, branches and trunks of trees. A second treatment may be necessary in 6-8 weeks if unusually warm weather persists during November and December. Periodically check for bud swell which indicates that regrowth is occurring and respray if swelling of buds occurs. Do not spray trees at least 24 hours before rain. Rain occurring within 24 hours after application will reduce effectiveness. SUPER SPROUT STOP sprayed citrus trees may show a delay of regrowth in spring for several weeks if the winter remains cold. The first new growth of foliage may be slightly "Frenched," or narrow leafed, but subsequential growth will be normal.

NOTES:

1. Spray potatoes at least 24 hours before rain. Rain occurring within 24 hours after application will reduce effectiveness.
2. Do not use SUPER SPROUT STOP on potato plants grown for seed production.
3. For control of wild onions and garlic do not apply to young seedlings less than one season old. Do not pasture livestock in, or cut hay from treated areas.
4. SUPER SPROUT STOP is not corrosive to spray equipment. Even though SUPER SPROUT STOP is nonvolatile no drift should be permitted onto nearby crops. Particular care should be taken to prevent drift when aerial applications are being made.
5. Rinse spray equipment with water after application. Do not contaminate water by cleaning of equipment or disposal of waste.

STORAGE AND DISPOSAL

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

STORAGE INSTRUCTIONS: Storage should be under lock and key in a ventilated room and secure from access by unauthorized persons and children. Storage should be in a cool dry area away from heat or ignition source. Do not stack plastic containers (4x1 gal or 2x2.5 gal.) over 2 pallets high. Do not stack metal containers over 4 pallets high. Move containers by handles or case. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled follow these steps:

1. Contain spill, absorb with a material such as saw dust, clay granules or dirt.
2. Collect and place in suitable containers for disposal.
3. Wash area with water and soap to remove remaining pesticide.
4. Follow washing with clean water rinse.
5. Place a leaking container in a plastic tub and transfer contents as soon as possible to an empty original container.
6. Do not allow run off to enter sewer or contaminate water supplies
7. Dispose of waste as indicated below:

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:

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

METAL CONTAINER: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

WARRANTY - CONDITION OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall Drexel or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of Sale by Drexel Chemical Company and is accepted as such by the Buyer.