



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg.

Number:

275-112

Date of Issuance:

APR 28 1997

NOTICE OF PESTICIDE:  
  x   Registration  
       Reregistration

Term of Issuance: **Conditional**

(under FIFRA, as amended)

Name of Pesticide Product:

ReTain™ Plant Growth  
Regulator Soluble  
Powder

Name and Address of Registrant (include ZIP Code):

Abbott Laboratories  
Chemical and Agricultural Products Division  
North Chicago, Illinois 60064-4000

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 registration does not eliminate the need for continual reassessment of the pesticide. If EPA determines at any time that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under 3(c)(2)(B) of FIFRA.*

*This product is conditionally registered in accordance with FIFRA section 3(c)(7)(C) provided that you:*

- 1. Change the label by revising the EPA Registration Number to read, "EPA Reg. No. 275-112."*
- 2. Submit three (3) copies of the revised final printed label for the record.*
- 3. Submit one year prior to the April 1, 2001 expiration date of this conditional registration adequate two-generation reproduction (rat) data.*
- 4. Also, prior to the April 1, 2001 expiration date of this conditional registration, the submitted analytical enforcement method must be validated by an EPA laboratory.*

Signature of Approving Official:

Date:

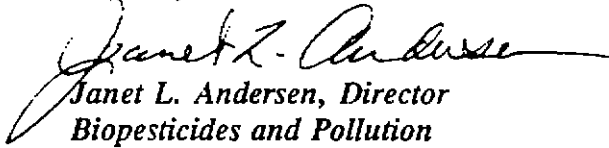
APR 28 1997

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

*This registration is registered under FIFRA section 3(c)(7)(C) because of the outstanding two-generation reproduction (rat) data and the pending status of the analytical method validation.*

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

Sincerely,

  
Janet L. Andersen, Director  
Biopesticides and Pollution  
Prevention Division (7501W)

*Enclosure*

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RETAIN™

PLANT GROWTH REGULATOR  
SOLUBLE POWDER

Active Ingredient:

[S]-trans-2-Amino-4-(2-aminoethoxy)-3-butenic acid hydrochloride.....15%

Inert Ingredients:.....85%

Total.....100%

EPA No. 275-

EPA Est. No. 065387-AR-002

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

4-1-97

Abbott Laboratories  
Chemical and Agricultural Products Division  
North Chicago, Illinois 60064

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
275-112

Net Weight: 0.73 pounds (333 grams)

KEEP OUT OF REACH OF CHILDREN  
CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION

Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash clothing before reuse.

Applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Shoes plus socks

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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**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Wash thoroughly and put on clean clothing.

**Environmental Hazards**

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

This product is moderately toxic to avian species and exposure to birds should be avoided.

**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 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.

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**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.

PPE 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, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Keep containers tightly closed when not in use.

**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:** Dispose of empty outer foil bag in trash.

**GENERAL**

NOTE: [S]-trans-2-Amino-4-(2-aminoethoxy)-3-butenic acid hydrochloride is an extremely potent plant growth regulator. For best results, read all directions for use thoroughly. Consult your local Abbott agricultural specialist for the spray schedule best suited to your conditions. (1-800-323-9597)

Use only as directed. The label should be read thoroughly and understood before making applications. Product efficacy requires that all parts of the plant or crop receive uniform spray coverage or else the desired result may not occur. Consult your local Abbott agricultural

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specialist (1-800-323-9597) for specific information on the best rates, timings, and spray volumes for your region.

ReTain™, which contains 15% [S]-trans-2-amino-4-(2-aminoethoxy)-3-butenoic acid hydrochloride, has been shown to be an effective preharvest drop control agent for apples and pears when applied 4 weeks prior to anticipated harvest. ReTain™ may also delay ripening and help maintain fruit quality (e.g., firmness). With apples, ReTain™ may reduce the incidence and/or severity of watercore and superficial scald. The active ingredient in ReTain™ is a fermentation metabolite that inhibits the endogenous production of ethylene in treated plant tissues.

### APPLICATION INSTRUCTIONS

Do not apply this product through any type of irrigation system. ReTain™ is to be applied only after fruit set has occurred. Use 333 grams (0.73 lb) of ReTain™ per acre 4 weeks prior to anticipated harvest. Apply ReTain™ in sufficient gallonage to ensure thorough, but not excessive, coverage. Use calibrated spray equipment to ensure uniform coverage of leaves and fruit. A nonionic wetting agent may improve spray coverage and enhance absorption.

Discard any unused spray material at the end of each day. Prepare solution concentrations by mixing the required amount of product with water in a clean, empty spray tank.

### Special Considerations

Apply early in the morning or late in the afternoon when drying conditions are slower in order to ensure adequate absorption. Limited information is available about tank mixing ReTain™ with late-season agrochemical products (i.e., insecticide or fungicide "cover sprays") registered for use on apples and/or pears. If tank mixing ReTain™ with a "cover spray" is absolutely necessary, consult your local Abbott agricultural specialist prior to making the application.  
(1-800-323-9597)

### NOTICE TO USER

Seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

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