

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

FEB 23 1998

Ms Debbie N. Forrey
Chemical and Agricultural Products Division
Abbot Laboratories
1401 Sheridan Road, Dept. 28R, A1
North Chicago, IL 60064

Dear Ms. Forrey:

Subject: Amendment-Label
Addition of Seed Treatment
RELEASE
EPA Registration No. 275-20
Your Submission dated November 14, 1997

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

Incorporate the following statement under Precautionary Statements:

..... Avoid breathing vapor or spray mist.....

A stamped copy of the labeled is enclosed for your records. If you have any questions please contact Dr. Sheila A. Moats, Regulatory Leader at (703) 308-1259.

Sincerely yours,

Janet L. Andersen
Janet L. Andersen
Director

Biopesticides and Pollution
Prevention Division (7511W)

Enclosure:

CONCURRENCES

SYMBOL	7511W	7511W					
SURNAME	Moats	<i>[Signature]</i>					
DATE	2/18/98	2/19/98					

RELEASE®
PLANT GROWTH REGULATOR
SOLUBLE POWDER

Active Ingredient:	
Gibberellic Acid.....	10% w/w
Inert Ingredient.....	90% w/w
Total.....	100% w/w

Contains a total of 100 g of gibberellic acid per kilogram

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

- IF ON SKIN:** Wash with plenty of soap and water. Call a physician if irritation persists.
- IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.
- IF IN EYES:** Flush with plenty of water. Call a physician.

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

EPA Reg. No. 275-20
EPA Est. No. 33762-IA-1

ACCEPTED
with COMMENTS
in EPA Letter Dated

FEB 23 1998

Net Contents:

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
275-20

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS (& DOMESTIC ANIMALS)

CAUTION

Harmful if absorbed through skin or inhaled. Causes moderate eye injury. Avoid contact with skin, eyes or clothing.

Personal Protective Equipment

Applicators and other handlers must wear;

- Long-sleeved shirt and long pants.
- Waterproof gloves.
- Shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining *Personal Protective Equipment* (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. Then 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 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 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.

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

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 intervals. 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 4 hours. Exceptions: After treated seeds are planted, the Worker Protection Standard, under certain circumstances, allows workers to enter the planted area if there will be no contact with anything that has been treated.

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: 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. ~~Do not reuse empty containers. Triple rinse (or equivalent). 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.~~

GENERAL INFORMATION

IMPORTANT: Before application, read directions thoroughly and use only as directed.

IMPORTANT

~~Before application, read Use Directions carefully and use only as directed.~~

Release® contains an extremely potent natural plant growth regulator. *One gram of Release contains 100 milligrams of active ingredient. For best results, read all directions for use thoroughly.* Consult your local experiment station specialist, distributor, or the Abbott agricultural specialist in your area for the application best suited for your conditions.

Release is a plant growth regulator product designed to be used as a seed treatment for rice, wheat, and sorghum see. When applied according to the label directions, Release stimulates seed germination and promotes faster and uniform stand establishment. The following table describes Release use applications and expected benefits.

RELEASE SEED TREATMENT APPLICATIONS
For Application to Rice, Wheat, and Sorghum seed

Crop	RELEASE Use Rates	Use Restrictions	Benefits
Rice	0.1835 to 0.7 oz product in 8-20 fl oz water/100 lbs seed (Equivalent to 5 to 20 g Release in 237-591 ml water/45 kg seed)	For use with drill or broadcast seeding systems. Do not apply Release prior to a 24 hour presoak or to water used for the presoak. Do not exceed 0.7 oz product/100 lbs of seed (20 g product/45 kg seed).	May promote germination and emergence for semi-dwarf and tall varieties. May help increase final stand density and uniformity when seed are planted deeper to receive adequate moisture.
Wheat	0.35 to 1.05 oz product in 8-20 fl oz water/100 lbs seed (Equivalent to 10 to 30 g Release in 237-591 ml/45 kg)	Do not exceed 1.05 oz product/100 lbs of seed (30 g product/45 kg seed).	May promote germination and emergence, particularly for seed with dormancy problems that are planted under cool soil conditions.

Sorghum	0.35 to 1.05 oz product in 8-20 fl oz water/100 lbs seed (Equivalent to 10 to 30 g Release in 237-591 ml water/45 kg seed)	Do not exceed 1.05 oz product/100 lbs of seed (30 g product /45 kg seed)	May promote germination and emergence, particularly for seed with dormancy problems that are planted under cool soil conditions.
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SEED TREATMENT APPLICATION

Release is a plant growth regulator product for use as a seed treatment on semi-dwarf and tall rice varieties, winter wheat, and sorghum. Application of Release will promote germination and emergence and will increase final stand density when seed is planted at greater depths where soil moisture levels are more adequate for germination. Release will also result in more uniform emergence which allows for greater accuracy and efficiency in herbicide, fertilizer, fungicide and insecticide applications. This may maximize yield and result in improved grain quality. Release is particularly effective on rice semi-dwarf varieties such as, but not limited to, 'Cypress', 'Lemon', 'Gulfinot' and 'Texmont'. Release is recommended for use on varieties of wheat and sorghum that experience dormancy problems associated with slow germination and emergence.

USE RESTRICTIONS

For rice, apply only to seed intended for drill or broadcast seeding systems. Do not apply to rice used in a 24 hour presoak prior to broadcast. Do not exceed 0.7 oz of formulated produce (2.0 grams active ingredient) per 100 pounds of rice, wheat or sorghum seed. Do not use treated seed for food, feed or oil purposes.

USE PRECAUTIONS

An approved dye must be added to distinguish Release treated seed and prevent inadvertent use as food or feed.

USE RATES

Apply Release at a rate of 0.35 to 0.7 ounces (1.0 to 2.0 grams active) in 8 to 20 oz. of water per 100 pounds of seed. In most cases, 0.35 ounces (1 gram active) per cwt is effective. Release may be applied to dry seed with standard mist treating equipment. For best results, higher treatment volume (12 to 20 oz/cwt of seed) insures complete and uniform coverage with the plant growth regulator.

Mixing Instructions

RICE, WHEAT, AND SORGHUM

Release may be applied to seed with standard mist treating equipment. For best results, higher treatment volumes of 12 to 20 fluid ounces per 100 lbs of seed (355 to 591 ml per 45 kg seed) ensures complete and uniform coverage.

Fill the treatment tank with half of the final tank mix volume. Add the required amount of Release and mix thoroughly while adding water and other co-applied seed treatment products (see *Compatibility with Other Chemicals* section) to the desired final volume.

Use Precautions

Do not use treated seed for food, feed, or oil purposes. An approved dye must be added to distinguish Release-treated seed and prevent inadvertent use as food or feed.

COMPATIBILITY WITH OTHER CHEMICALS

Release is compatible with most commonly used fungicide seed treatments (e.g. ~~zinc~~ Vitavax[®] and Dithane[®]), standard dyes, and sticker/binding agents. When preparing tank mixes, ensure adequate physical compatibility and mixing. Release has been shown to be incompatible with zinc oxide and copper hydroxide containing products, which may be applied as seed treatments.

NOTICE TO USER: Seller makes no warranty, expressed 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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Dithane is a registered trademark of Rohm and Haas Co.

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