

Reg # 275-2

PM-22

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

FEB 10 1994

SUSAN L. KENDZIOR
ABBOTT LABORATORIES
CHEMICAL AND AGRICULTURAL PRODUCTS DIV
1401 SHERIDAN ROAD
NORTH CHICAGO, IL 60064

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 8/6/93 In Response to PR Notice 93-7
EPA Reg. No. 275-2
PRO-GIBB 47 PLANT GROWTH REGULATOR

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 reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (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 not been reviewed or 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:

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



Recycled/Recyclable
Printed with Soy/Canola ink on paper that
contains at least 50% recycled fiber

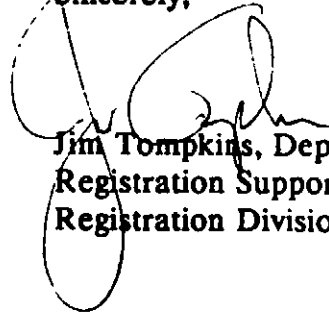
Submit the final printed labeling via the U.S. Postal Service to:

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 printed labeling may be made to:

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

Sincerely,



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

Attachment

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PROVIDE®
PLANT GROWTH REGULATOR
SOLUTION

Active Ingredient	
Gibberellins A ₄ A ₇	2.0% w/w
Inert Ingredients.....	98.0% w/w
<hr/>	
Total.....	100.0% w/w

(Contains 21 grams active ingredient per liter or 9.93 grams per pint)

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

- IF IN EYES:** Flush with plenty of water. In case of irritation, contact a physician.
- IF ON SKIN:** Wash with plenty of soap and water. In case of irritation, contact a physician.

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

EPA Reg. No. 275-2
EPA Est. No. 44616-MO-1
Net Contents:

ACCEPTED
with COMMENTS
in EPA Letter Dated

FEB 10 1994

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

275-2

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (& DOMESTIC ANIMALS)**

CAUTION

Causes eye irritation. ~~In case of contact flush skin and eyes with plenty of water. In case of irritation, contact a physician.~~

Personal Protection Equipment:

delete

~~Some materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.~~

~~Applicators and other handlers must wear:~~

- Long-sleeved shirt and long pants
- Shoes plus socks

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

Do not apply to water or wetlands. 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. ~~For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.~~

delete

~~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 (WPS) for Agricultural Pesticides, 29 CFR 170.101-170.119. The WPS is a Federal regulation that requires employers to provide training, decontamination, notification, and other protection assistance. It also contains specific instructions and exceptions regarding the requirements on this label about personal protective equipment (PPE). 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.

STORAGE: Store below 78°F (25°C). 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: Do not reuse empty containers. Triple rinse, 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.

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APPLICATION DIRECTIONS FRUIT RUSSET SUPPRESSION IN APPLES

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

ProVide is a plant growth regulator containing gibberellins A₄A₇, which may reduce the development of physiological fruit russeting in apples when applied in a post-bloom spray program. Used in years when russet conditions are present, ProVide may boost overall fresh market grades of the crop. Physiological russeting is generally associated with the presence of water on the fruit surface during the first 30-40 days of fruit development. Russet severity at a given location is therefore specifically influenced by the weather conditions during and following the bloom period. The key conditions influencing russet include precipitation, humidity and temperature. ProVide may act only on that russet caused by climatic factors active early in fruit development and will not reduce damage associated with mechanical forces such as limb or pedicel rub, insect damage, or russet produced by certain pesticides.

APPLICATION RATE

Apply 26 to 40 ounces per acre for a total seasonal rate.

TIMING OF APPLICATION

Apply ProVide as two to four consecutive sprays beginning at petal fall, and continuing at 7 to 10-day intervals. This spray timing corresponds to the most sensitive russet development period shown to occur in apples.

METHOD OF APPLICATION

Apply 10 ounces* (15 ppm) to 13 ounces (20 ppm) of ProVide in 100 gallons of water per acre, per application for 2 to 4 total applications. Number and rate of applications should be based on both tree size and local weather conditions. In general, as tree size and overall rainfall increase, the number and rate of applications should be increased. This increase is necessary to maintain adequate coverage of the developing fruit surface during the most sensitive russet period.

NOTE: No more than 40 ounces of ProVide should be applied per season.

* Best russet control may be expected with four 10-ounce (15 ppm) per acre applications of ProVide.

APPLICATION CONSIDERATIONS:

1. Do not use with spray surfactants, spreader stickers, etc. since these materials have been shown to induce russet.
2. Do not use in excessive spray volume, (i.e. greater than 100 gal/acre) since excess moisture has been shown to induce russet.
3. Use a properly calibrated and adjusted sprayer that insures uniform and complete coverage of all foliage and fruitlets.
4. Approximately 85% of the spray volume should be directed into the upper two-thirds of the trees.
5. To minimize excessive spray drift, apply when air is calm.
6. Rainfall within six hours after spraying may reduce activity of ProVide.
7. ProVide may be applied in combination with other materials; refer to respective labels for directions and precautionary statements.

PREHARVEST FRUIT CRACKING SUPPRESSION IN STAYMAN APPLES

NOTE: Stayman apples that have received ProVide applications to suppress russet may not be treated for cracking suppression during the same growing season.

ProVide is a plant growth regulator containing gibberellins A₄ and A₇. This material has been shown to suppress preharvest fruit cracking of 'Stayman' apples when used as directed.

ProVide must be applied at least two to three weeks before any fruit cracking is observed in the orchard. Past history of cracking irritation may serve as a guide to when the first application should be made. If the material is applied after cracking has started, effectiveness of the product will be greatly reduced. Since cracking can occur over an extended period of time, multiple applications are required.

Many factors influence fruit cracking in 'Stayman' apples. ProVide is one component of a total management program.

APPLICATION RATE AND TIMING

Apply 16 to 32 ounces of ProVide per acre per application. Higher application rates may provide better suppression of cracking.

TIMING OF APPLICATION

Apply Provide in three to six consecutive sprays beginning at least two to three weeks before fruit cracking is likely to be observed in the orchard. Depending on geographical location and other factors influencing fruit cracking, the initial application should typically be made between mid-June and mid-July. Intervals between sprays should be 14 to 21 days. Best cracking suppression may be expected when at least four consecutive sprays are applied at 14 to 21 day intervals. When conditions favor heavy cracking, better results may be obtained by using the higher specified rates, the greater specified number of applications, and the closer specified spray intervals.

METHOD OF APPLICATION

Apply material using conventional spray equipment. Use sufficient water volume to obtain good coverage of the fruit surface. Apply as a complete spray (i.e. treat every row middle).

APPLICATION CONSIDERATIONS

1. Use of a nonionic wetting agent EPA approved for use on food *e.g. Tween 20[®], Regulaid[®], etc.) will improve spray coverage and enhance absorption.
2. Since ProVide must be absorbed to be effective, best performance can be expected with good absorption conditions and healthy trees. High relative humidity and slow drying conditions favor maximum absorption of ProVide. Application in morning or evening may be preferable. Conditions favoring rapid drying of spray deposits should be avoided.
3. Use a properly calibrated and adjusted sprayer that insures uniform and complete coverage of all foliage and fruit. Spray volume should be adjusted to tree size and density.
4. Do not use excessive spray volumes since excess moisture may increase the potential for fruit cracking.
5. Approximately 85% of the spray volume should be directed into the upper two-thirds of the trees.

6. Rainfall within six hours after spraying may reduce activity of ProVide.
7. ProVide may be tank-mixed with most common pesticides labeled for use on apples.

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.

For information, call: 1-800-323-9597

Tween 20® is a registered trademark of ICI Americas, Inc.

Regulaid® is a registered trademark of Kalo, Inc.

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