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EPA REG. NO. 275-2

Front Panel

PRO-VIDE  
(Gibberellins A<sub>4</sub>A<sub>7</sub>)  
Plant Growth Regulator

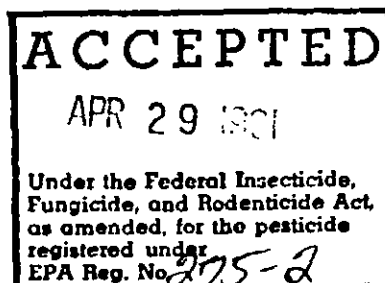
List No.

Active Ingredient:	
Gibberellic Acid .....	2.0% w/w
Inert Ingredients .....	98.0% w/w
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



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EPA Est. No.

Net Contents: One (1) Pint (16 fluid ounces, 473 ml)

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

Side Panel

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)  
CAUTION**

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

**ENVIRONMENTAL HAZARDS**

Do not apply to water or wetlands. Do not contaminate water when disposing of equipment washwaters.

**DIRECTION FOR USE**

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

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

**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.

**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.

Lot No:

**BEST AVAILABLE COPY**

**FRUIT RUSSET SUPPRESSION IN APPLES**

**DIRECTIONS FOR USE:** ProVide is a plant growth regulator containing gibberellins A<sub>4</sub>A<sub>7</sub> 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**

**DIRECTIONS FOR USE:** It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**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 initiation 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 higher rates, a greater number of applications, and closer 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 (e.g. Tween 20<sup>R</sup>, Regulaid<sup>R</sup>, 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, 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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Tween 20<sup>R</sup> is a registered trademark of ICI Americas, Inc.

Regulaid<sup>R</sup> is a registered trademark of Kalo, Inc.

