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275-108

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**PROMALIN®
PLANT GROWTH REGULATOR
SOLUTION**

For use on apples, non-bearing pears, and non-bearing sweet cherries

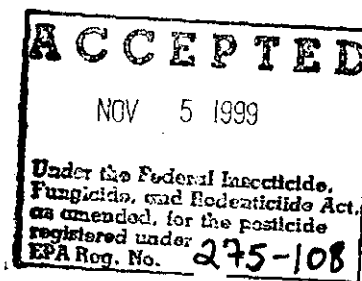
Active Ingredients:

N-(phenylmethyl)-1H-purine 6-amine.....	1.8% w/w
Gibberellins A ₁ A ₂	1.8% w/w
Inert ingredients.....	96.4% w/w
Total:.....	100.0% w/w

EPA Reg. No. 275-108
EPA Est No.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

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



Net Contents:

STATEMENT OF PRACTICAL TREATMENT

If in Eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

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PRECAUTIONARY STATEMENTS
Hazard To Humans & Domestic Animals
CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

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

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

USER SAFETY RECOMMENDATIONS

User should:

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

ENVIRONMENTAL HAZARDS

) 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 cleaning equipment or 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.

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 4 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: Store below 75°F (24°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: 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. If burned, stay out of smoke.

PRODUCT INFORMATION

Promalin is a plant growth regulator for use on apples, non-bearing pears and non-bearing sweet cherries. When applied according to label directions to healthy, well-managed trees and under favorable weather conditions (see General Instructions), Promalin may provide one or more of the following benefits in some varieties:

1. Improve the shape of Red Delicious apples through fruit elongation and development of more

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prominent calyx lobes ("typiness"). These desirable effects will be more evident in years when natural typiness is limited.

2. Increase fruit size and weight on most apple varieties. Some fruit thinning may occur from the use of Promalin.

3. Increase lateral bud break and shoot growth (branching), and improve branch angle on nursery stock young trees of most apple varieties. This effect provides a better tree framework for early cropping.

4. Increase lateral bud break and shoot growth, and improve branch angle on non-bearing trees of most pear and sweet cherry varieties, including nursery stock. This effect provides a better tree framework for early cropping.

GENERAL INSTRUCTIONS

- Do not apply this product through any type of irrigation system.
- When a range of rates is indicated, use the concentration and spray volume recommended locally by the Abbott Laboratories' agricultural specialist (1-800-323-9597).
- For optimum effectiveness, thorough spray coverage must be achieved. All parts of the plant must receive the spray or desired results will not occur. On bearing trees, approximately 85% of the spray volume should be directed into the upper two-thirds of the trees.
- Promalin applications made under slow drying conditions (cool to warm temperatures, medium to high relative humidity, and no wind) will increase absorption by the plant, thus optimizing effectiveness. Night-time applications are encouraged when day-time conditions are not conducive to slow drying conditions.
- Do not apply Promalin when air temperatures are lower than 40°F or greater than 90°F.
- For best results, the water pH should be near neutral (pH 7) and always below 8.5
- Rainfall or overhead irrigation within 6 hours after spraying may reduce the activity of Promalin.
- **Compatibility:** The Promalin Application Instructions refer to use of the product alone. Data concerning the compatibility of Promalin with other agricultural compounds, except DiPel® DF, XenTari®, or Biobit® are not available. Abbott Laboratories does not assume responsibility for unexpected results due to the tank mixing of Promalin with other products.

- **Mixing Instructions:** Add the required amount of Promalin to a spray tank about half-filled with water. Agitate while bringing the total volume of water to the required level. New solutions should be mixed only in a clean, empty spray tank, and used within 24 hours. Discard any unused spray material following local, state, or federal law.

APPLICATION INSTRUCTIONS FOR FRUIT DEVELOPMENT

Rate and Timing

1. Single Application for Improved Typiness and Size:

A single application of 1-2 pints of Promalin per acre should be made from early king bloom to the early stages of petal fall of the side blossoms.

2. Split Applications for Improved Typiness and Size:

When the bloom period is prolonged, two applications are recommended. The first application of 0.5 to 1 pint of Promalin per acre should be made at the beginning of the bloom period, from early king bloom to the early stages of petal fall of the side bloom. The second application of 0.5 to 1 pint of Promalin per acre should be made 3 to 21 days later, or when the remainder of the canopy comes into bloom. Do not exceed the maximum recommended rate of 2 pints per acre for the combined sprays.

Spray Volume

Apply Promalin in a sufficient amount of water to ensure thorough, but not excessive, coverage. Adjust water volumes based on tree size and spacing. A suggested spray volume of 75-150 gallons/acre is adequate for most orchards. Excessive spray application volumes that result in spray runoff may reduce product performance.

APPLICATION INSTRUCTIONS FOR LATERAL BRANCHING AND TREE DEVELOPMENT

Rate and Timing

1. Application for Branching:

A single foliar application of Promalin or a Promalin-latex paint spot application may be applied to apples, non-bearing pears, and non-bearing sweet cherry trees, including nursery stock, to increase lateral bud break and shoot growth, improve branch angles, and provide a better tree framework for early cropping.

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Table 1 -- Foliar Applications

Crop	Rate	Timing
Apples (Nursery and Orchard)	125-500 ppm ¹ (0.25-1 pint Promalin per 5 gallons of spray solution) ²	For orchard trees (apples and non-bearing pears), apply at 1-3 inches of new terminal growth.
Non-bearing Pears (Nursery and Orchard)	250-1,000 ppm (0.5-2 pints Promalin per 5 gallons of spray solution)	For nursery stock (apples, non-bearing pears and non-bearing sweet cherries) treat after trees have reached a terminal height at which lateral branching is desired.
Non-bearing Sweet Cherries (Nursery Only)	250-1,000 ppm (0.5-2 pints Promalin per 5 gallons of spray solution)	

¹ parts per million

² Do not exceed 2 pints per acre.

Table 2 -- Latex Applications

Crop	Rate	Timing
Apples (Nursery and Orchard)	5,000 - 7,500 ppm ¹ [0.2-0.33 pint (3.2-5.3 fluid ounces) Promalin per pint of latex paint]	Apply in the spring when terminal buds begin to swell but before shoots emerge.
Non-bearing Sweet Cherries (Orchard Only)		

¹ parts per million

NOTE: Do not apply the Promalin-latex paint mixture after bud break. Applications after buds have broken may cause some injury to tender shoot tips and fail to promote shoot growth from that point.

NOTE: Uniformly apply the Promalin-latex paint mixture with a brush or sponge to cover the bark surface thoroughly. Apply only to one year old wood.

NOTE: Any type of application of Promalin to non-bearing pears and non-bearing sweet cherries must not be made later than one year prior to first anticipated fruit harvest.

DiPel® DF, XenTari®, and Biobit® biological insecticides are registered trademarks of Abbott Laboratories.

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.