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 A₄A₇ .......................................................... 1.8% w/w
Other Ingredients ........................................................... 96.4% w/w
Total .................................................. 100.0% w/w

KEEP OUT OF REACH OF CHILDREN
CAUTION
See inside booklet for First Aid and Precautionary Statements.

Valent BioSciences LLC
870 Technology Way
Libertyville, IL 60048 U.S.A.
1-800-323-9597

EPA Est. No. 33762-1A-001
EPA Reg. No. 73049-41
List No. 02571-04-05

Net Contents: 1 Quart (946 ml)
This container will treat 1.0 acre at the maximum use rate
as indicated for use on Apples for Fruit Development.

©2018
**USER SAFETY RECOMMENDATIONS**

1. Wash hands thoroughly before eating, drinking, chewing gum, using tobacco, or touching the face.
2. Do not apply Promalin to species of trees that are known to be sensitive to the active ingredient. Follow the directions on the labels of these products to ensure the tree’s health and the safety of the environment.
3. Use only as directed. Do not apply this product in a manner inconsistent with the label. Be sure to apply this product in a way that will not contaminate water sources or move to the environment.

**PRECAUTIONARY STATEMENTS**

**DANGER**

Dangerous if inhaled, swallowed, or absorbed through the skin. Causes severe burns.

**WARNING**

Causes severe eye irritation. May cause severe respiratory irritation. Causes severe eye damage. Causes skin burns. Causes skin irritation.

**CAUTION**

Causes material eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or tobacco, using tobacco, or touching the face.

**PRODUCT INFORMATION**

Promalin is a liquid granule registered for use on apples and pears, non-bearing and bearing cherry trees, and on ornamental and landscaping trees. (See General Instructions.) Promalin provides one of the many benefits derived from insect and mite control: lower pest populations, better tree frameworks for early cropping, increased fruit size and weight, and improved branch development.

**USER SAFETY RECOMMENDATIONS**

- Follow these special safety precautions when using this product:
  - Wear clothing that covers the body, including shoes and socks.
  - Do not work in rain. Do not apply this product when air temperatures are below freezing or greater than 90°F.
  - Do not apply Promalin when air temperatures are below freezing or greater than 90°F.
  - Do not apply more than twice for this use.
  - Do not use a surfactant.
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**APPLICATION INSTRUCTIONS FOR FRUIT DEVELOPMENT**

**For Improved Typiness and Size**

<table>
<thead>
<tr>
<th>Objective/Period</th>
<th>Benefit</th>
<th>Crop</th>
<th>Size</th>
<th>Product/ Application Method and Timing</th>
<th>Rate and Timing</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>Initially</td>
<td>Increase lateral bud break and shoot growth (branching), and improve branch development</td>
<td>Apple</td>
<td>16 - 32</td>
<td>0.5 lb (0.1 - 0.2 kg)</td>
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APPLICATION INSTRUCTIONS FOR LATERAL BRANCHING AND TREE DEVELOPMENT

1. Objective

To increase branch angles, and provide a better tree framework for early cropping.

2. Crop

Apples (Nursery and Orchard) (0.25 - 1 pint Promalin per 5 gallons of spray solution)
Sweet Cherries (Nursery and Orchard) (0.5 - 2 pints Promalin per 5 gallons of spray solution)
Non-bearing Pears (Nursery and Orchard) (0.5 - 2 pints Promalin per 5 gallons of spray solution)

3. Equipment

Spray volume is a sufficient amount of water to ensure thorough, but not excessive coverage. Adjust water volume based on tree size and spacing.

4. Timing

For trees that have not broken bud, apply Promalin when lateral buds begin to swell - 1 - 3 inches of new terminal growth.

5. Rate

Do not exceed 2 pints per acre

Table 1 – Fruit Applications

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<tr>
<th>Group</th>
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<tr>
<td>1.8% w/w rate and</td>
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<tr>
<td>action</td>
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</tr>
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<td>Objective</td>
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6. Storage and Disposal

Do not use water below 52°F (10°C). Keep containers tightly closed when not in use.

7. Disposal

Keeps out of reach of children.

NOTE: Do not apply the Promalin-latex paint mixture after bud break. Application after bud break has been known to cause some injury to tender foliage. Avoid painting or spraying leaves until they are completely dry.

NOTE: When applying in a spray application, do not exceed 2 pints per acre.