**Chemical thinning - apples**

Fruitone N is an auxin plant hormone for use in chemical thinning of apples. It is recommended for good results. Uniform and even coverage is imperative, and the orchard owner will help to refine the rates and timing. Dilute Spray:

- Use only medium or courser spray droplets (or higher concentrations should be limited to vigorous trees with high leaf density).
- Made in the range of 50 to 400 gallons of water per acre. The appropriate spray volume is determined by the type of equipment used, tree size and density, and fruit set before choosing the desired rate and timing. Applications are not recommended below 60°F or above 85°F. Satisfactory thinning can be made in the range of 50 to 400 gallons of water per acre. The appropriate spray volume is determined by the type of equipment used, tree size and density, and fruit set before choosing the desired rate and timing. Applications are not recommended below 60°F or above 85°F. Satisfactory thinning can

### Early applications of Fruitone N

- One week after full bloom
- (Early fruit preferred application timing(s), direct most of the production. The response of fruit trees to an application is influenced by the type of equipment used, tree size and density, and fruit set before choosing the desired rate and timing. Applications are not recommended below 60°F or above 85°F. Satisfactory thinning can

### Applications

Pre-harvest drop of apples on certain apple varieties.

**Product Information**

- Specific equipment is imperative. Application can be made in the range of 50 to 400 gallons of water per acre. The appropriate spray volume is determined by the type of equipment used, tree size and density, and fruit set before choosing the desired rate and timing. Applications are not recommended below 60°F or above 85°F. Satisfactory thinning can

### Table: Spray Preparation Chart

<table>
<thead>
<tr>
<th>Rate</th>
<th>100</th>
<th>150</th>
<th>300</th>
<th>400</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>3.0</td>
<td>6.0 (0.38)</td>
<td>8.0 (0.50)</td>
<td>12.0 (0.75)</td>
</tr>
<tr>
<td>6.6</td>
<td>9.3</td>
<td>12.0 (0.75)</td>
<td>16.0 (1.00)</td>
<td>24.0 (1.50)</td>
</tr>
<tr>
<td>8.0</td>
<td>9.3</td>
<td>12.0 (0.75)</td>
<td>16.0 (1.00)</td>
<td>24.0 (1.50)</td>
</tr>
</tbody>
</table>

**Important!** Fruitone N should not be used on variety(s). Pygmy fruit formation may occur with high application rates (<15 ppm), high temperatures (>85°F), and heavy bearing years resulting in increased fruit size. Over-thinning may occur at daytime temperatures above 80°F. Satisfactory thinning can

**Rationale for recommended rate:**

- Rationale for recommended rate:
- The response of fruit trees to an application is influenced by the type of equipment used, tree size and density, and fruit set before choosing the desired rate and timing. Applications are not recommended below 60°F or above 85°F. Satisfactory thinning can

**Fruitone N**

- Also controls pre-harvest drop of apples on certain apple varieties.
- Water, is physically compatible with a wide range of mixtures and exceptions pertaining to the statements on labeling of all products used in any tank mix. It is recommended that you consult your local Extension office for further information.

- Note: All use of ppm refers to the active ingredient standard nozzles.

### SPRAY DRIFF MANAGEMENT

- The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

**Product Information**

- Specific equipment is imperative. Application can be made in the range of 50 to 400 gallons of water per acre. The appropriate spray volume is determined by the type of equipment used, tree size and density, and fruit set before choosing the desired rate and timing. Applications are not recommended below 60°F or above 85°F. Satisfactory thinning can

**For Medical Emergencies**

- **If swallowed:** Do not induce vomiting. If person is not breathing, call a poison control center or doctor for further treatment advice.

- **If skin contact occurs:** Remove PPE immediately after handling the product. If person is not breathing, call a poison control center or doctor for further treatment advice.

- **If eye contact occurs:** Remove PPE immediately after handling the product. If person is not breathing, call a poison control center or doctor for further treatment advice.

- **If inhaled:** Avoid breathing vapor of spray mist. Avoid contact with skin and eyes. Avoid breathing vapor of spray mist. Avoid contact with skin and eyes. Avoid breathing vapor of spray mist. Avoid contact with skin and eyes.

**PPE required for early entry to treated areas that is**

- **C overalls**
- **Respirator**
- **Gloves**
- **Safety glasses**
- **Boots**

**Part 170. This Standard contains requirements for**

- The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

**Use this product only in accordance with its labeling**

- The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

**Follow manufacturer's instructions for cleaning and maintenance**

- The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

**A C T I V E  I N G R E D I E N T:**

- 1-Naphthaleneacetic Acid
- Equivalent to 3.1% of 1-Naphthaleneacetic Acid

**Spay Preparation Chart**

<table>
<thead>
<tr>
<th>Rate</th>
<th>100</th>
<th>150</th>
<th>300</th>
<th>400</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>3.0</td>
<td>6.0 (0.38)</td>
<td>8.0 (0.50)</td>
<td>12.0 (0.75)</td>
</tr>
<tr>
<td>6.6</td>
<td>9.3</td>
<td>12.0 (0.75)</td>
<td>16.0 (1.00)</td>
<td>24.0 (1.50)</td>
</tr>
<tr>
<td>8.0</td>
<td>9.3</td>
<td>12.0 (0.75)</td>
<td>16.0 (1.00)</td>
<td>24.0 (1.50)</td>
</tr>
</tbody>
</table>

**For Medical Emergencies**

- **If swallowed:** Do not induce vomiting. If person is not breathing, call a poison control center or doctor for further treatment advice.

- **If skin contact occurs:** Remove PPE immediately after handling the product. If person is not breathing, call a poison control center or doctor for further treatment advice.

- **If eye contact occurs:** Remove PPE immediately after handling the product. If person is not breathing, call a poison control center or doctor for further treatment advice.

- **If inhaled:** Avoid breathing vapor of spray mist. Avoid contact with skin and eyes. Avoid breathing vapor of spray mist. Avoid contact with skin and eyes. Avoid breathing vapor of spray mist. Avoid contact with skin and eyes.

**C AU T I O N: **

- Fruitone N should not be used on variety(s). Pygmy fruit formation may occur with high application rates (<15 ppm), high temperatures (>85°F), and heavy bearing years resulting in increased fruit size. Over-thinning may occur at daytime temperatures above 80°F. Satisfactory thinning can

**Part 170. This Standard contains requirements for**

- The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

**Use this product only in accordance with its labeling**

- The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

**Follow manufacturer's instructions for cleaning and maintenance**

- The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

**A C T I V E  I N G R E D I E N T:**

- 1-Naphthaleneacetic Acid
- Equivalent to 3.1% of 1-Naphthaleneacetic Acid

**Spay Preparation Chart**

<table>
<thead>
<tr>
<th>Rate</th>
<th>100</th>
<th>150</th>
<th>300</th>
<th>400</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>3.0</td>
<td>6.0 (0.38)</td>
<td>8.0 (0.50)</td>
<td>12.0 (0.75)</td>
</tr>
<tr>
<td>6.6</td>
<td>9.3</td>
<td>12.0 (0.75)</td>
<td>16.0 (1.00)</td>
<td>24.0 (1.50)</td>
</tr>
<tr>
<td>8.0</td>
<td>9.3</td>
<td>12.0 (0.75)</td>
<td>16.0 (1.00)</td>
<td>24.0 (1.50)</td>
</tr>
</tbody>
</table>
During cool seasons, when the bloom period has been prolonged, delay application at least 21 days after bloom or when fruit is 10 to 15 mm in diameter. Aerial Application: 5 gallons of water per acre. Aircraft must utilize spray equipment that gives thorough coverage to all parts of the tree. Do not apply with equipment that gives incomplete coverage to the tree. Use the 1.75 lbs. rate. If Bartlett and Bosc are interplanted, apply only once per season.

For Promotion and Control of Pre-Harvest Drop

Controls drop for about two weeks depending upon the temperature. Do not apply or dispose of rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then rinse container (or equivalent) promptly after emptying the contents into application equipment or a mix tank or store rinsate for later use or disposal. Do not exceed 10.5 lbs of product per acre per year or 3.5 pounds of product per acre per harvest or after cold storage.

Apply Fruitone N at a spray concentration of 3 to 5 ppm (see Table 1). Two applications at 10 ppm applied 21 days apart control drop for about two weeks depending upon the temperature. Do not apply or dispose of rinsate for later use or disposal. Do not exceed 10.5 lbs of product per acre per year or 3.5 pounds of product per acre per harvest or after cold storage.

Ground Application - Concentrate:

Apply at the rate of 0.75 lb to 1.00 lb of Fruitone N per acre (16 to 25 gallons of water per acre) when climatic conditions and other factors determine the rate of fruit thinning desired. If fruit thinning is desired but the actual rate required is not achieved following first year's application, an additional application is recommended. The actual rate required may be required for certain varieties.

Ground Application - Dilute:

Apply a spray concentration of 3 to 5 ppm (see Table 1). Two applications at 10 ppm applied 21 days apart control drop for about two weeks depending upon the temperature. Do not apply or dispose of rinsate for later use or disposal. Do not exceed 10.5 lbs of product per acre per year or 3.5 pounds of product per acre per harvest or after cold storage.

Petal Fall (3-7 mm fruit size) and/or early fruit set (8-10 mm fruit size). Use the lower concentrations for thinning and low fruit set potential and slow drying conditions but never use more than 1 pint per 100 gallons of water per acre. Petal Fall application at 3-7 mm fruit size is used in some seasons. The preferred application temperatures are temperatures are 70°F or higher. Fully "wet" the entire tree with a surfactant (wetting agent).

Chemical Thinning - Pears

Apply Fruitone N at a spray concentration of 3 to 5 ppm (see Table 1). Two applications at 10 ppm applied 21 days apart control drop for about two weeks depending upon the temperature. Do not apply or dispose of rinsate for later use or disposal. Do not exceed 10.5 lbs of product per acre per year or 3.5 pounds of product per acre per harvest or after cold storage.

Easy-to-thin:

Bartlett, Bosc and D'Anjou

During the bloom period when fruit is 10 to 15 mm diameter at the rate of 1.75 to 3.5 lbs. of Fruitone N per acre (25 to 50 gallons of water per acre). aircraft must utilize spray equipment that gives thorough coverage to all parts of the tree. Apply at the rate of 0.75 lb to 1.00 lb of Fruitone N per acre (16 to 25 gallons of water per acre) when climatic conditions and other factors determine the rate of fruit thinning desired. If fruit thinning is desired but the actual rate required is not achieved following first year's application, an additional application is recommended. The actual rate required may be required for certain varieties.

Difficult-to-thin:

Apply Fruitone N at a spray concentration of 3 to 5 ppm (see Table 1). Two applications at 10 ppm applied 21 days apart control drop for about two weeks depending upon the temperature. Do not apply or dispose of rinsate for later use or disposal. Do not exceed 10.5 lbs of product per acre per year or 3.5 pounds of product per acre per harvest or after cold storage.

Tank mix combinations:

Tank mix combinations of Spraysense® (a new surfactant product with high wetting properties) and a non-ionic surfactant such as Triton® X-100 or equivalent have successfully thinned difficult-to-thin varieties. Some combinations of organic acylamides with non-ionic surfactants such as Spraysense® have also been effective. Petal Fall applications of 3-7 mm fruit size are used in some seasons. The preferred application temperatures are temperatures are 70°F or higher. Fully "wet" the entire tree with a surfactant (wetting agent).