

| Post-Bloom Thinning |

ProTone® SG Plant Growth Regulator for Post-Bloom Thinning

ProTone® SG Plant Growth Regulator Soluble Granule[†] provides post-bloom thinning and maximizes crop load management strategies for apples and pears. *ProTone* can also speed the fall defoliation in fruit, allowing for quicker dormancy in orchards. In addition, *ProTone* is approved for use on California apples as an organic fruitlet thinner. However, *ProTone* is not approved for use on pears in California.

- ▶ Apple and pear post-bloom thinning (excluding pears in California)
- ▶ Accelerates fall defoliation in fruit
- ▶ *ProTone* is NOP compliant and OMRI Listed for organic production



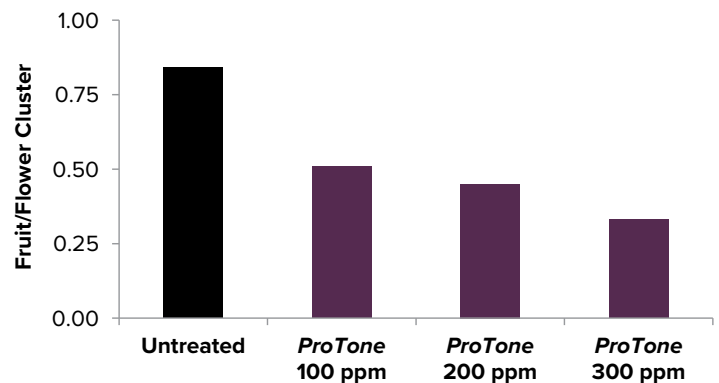
ProTone Thinning on Bartlett Pears



Untreated

ProTone Treated

Note the thinning of clusters down to singles.

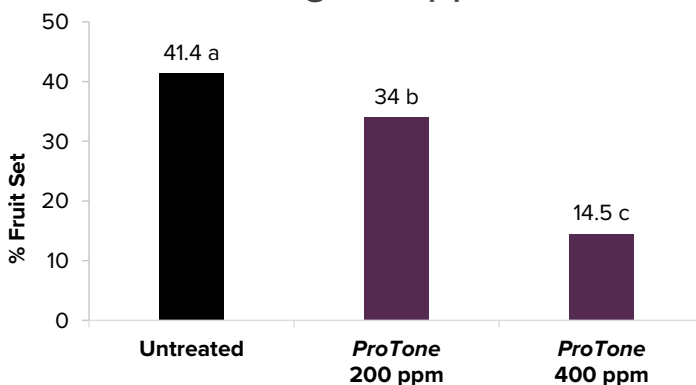


ProTone applied at 10–12 mm to Bartlett pears.

Application volume: 139 gal/A

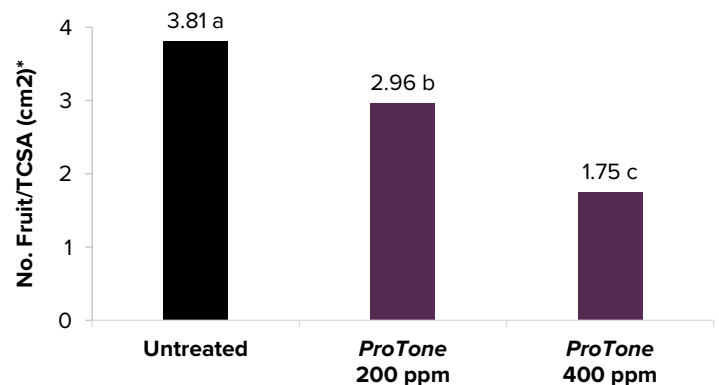
Location: Methow, Washington; Source: Valent

ProTone Thinning on Apples



ProTone had statistically lower fruit set, compared to untreated.

Variety: Honeycrisp; Source: Michigan State University



ProTone reduced fruit set by 22% and 54%.

*TCSA (cm²) = centimeters squared of trunk cross sectional area. Variety: Red Delicious; Source: Valent

How To Use

Rate	6.6–33.1 oz/A for apple and pear thinning. Use higher rates in well cross-pollinated orchards or varieties that have a history of being difficult-to-thin.
Timing	Make 1 to 2 applications when the average diameter of king fruitlet is between 5–20 mm. Generally, one application is sufficient for fruit thinning. If a second application is needed to achieve additional thinning: <ol style="list-style-type: none">1. Allow 7–10 days between applications to observe the effect of the first application2. Make the second application no later than 20 mm average fruitlet diameter
Method	Apply in a sufficient volume of water to ensure thorough coverage without runoff. In most cases, spray volumes of 100 gal/A have been shown to be adequate. Excessive volumes of water that result in runoff can cause foliar injury.
REI / PHI	4 hours / 0 days

Other Important Information

- ▶ Apply in the morning or evening when weather conditions are best for slow drying (cooler temperatures and higher humidity). Avoid application over heavy dew as excessive runoff may occur. Air temperature during application should not exceed 85°F.
- ▶ For best results, apply when the weather forecast calls for either or both of the following conditions: 2–3 consecutive days of significant cloud cover; and/or 2–3 consecutive days of daytime high temperatures of at least mid-70s°F for pears or mid-80s°F for apples
- ▶ Temperatures and weather conditions during application and the following 2–3 days can affect product performance. For further information, consult your Valent Agricultural Specialist (800-6-VALENT).
- ▶ Direct 80% of the spray into the upper $\frac{2}{3}$ of the tree canopy
- ▶ Product performs best at water pH between 5 and 7. Do not exceed pH of 8.5.
- ▶ Use of a nonionic surfactant at a final adjuvant concentration directed by the manufacturer can enhance performance
- ▶ *ProTone* has been shown to be highly synergistic with other thinning agents. Use caution if tank mixing with any other thinning products as over-thinning may result.



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Always read and follow label instructions.

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