



# Brevis™

Get the Royal Treatment

## Registered Crops

- Apples and Pears\*

## Formulation

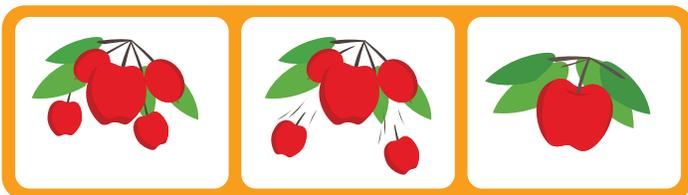
- Suspension Concentrate

## What is Brevis™?

Brevis is a crop enhancer that provides consistent fruitlet thinning in apples and pears, increasing the marketability of your fruit while cutting down on hand thinning. Powered by the novel active ingredient Metamitron, Brevis offers greater application flexibility, making it the ideal choice for pome fruit growers.

## How it Works

Brevis generates a temporary reduction in carbohydrates for the tree. The resulting competition between fruitlets causes a natural fall of lateral fruits while preserving the dominant and/or king fruit.



The largest and best fruit remains while laterals fall off.

\*Not registered for use by California.



## Active Ingredients

Metamitron (PSII Inhibitor)

## Product Group

Crop Enhancer /  
Fruitlet Thinner

## Packaging

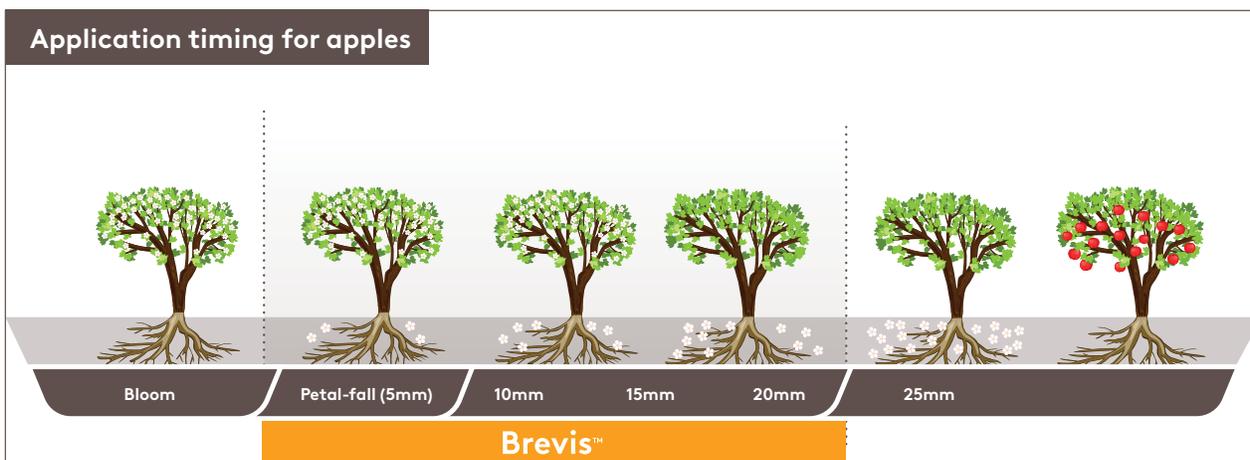
2.5 gal jug



# Brevis™

## Application Timing

Rates vary by region, orchard history and thinning requirements; consult BreviSmart™ or your crop consultant.



Apply Brevis as a post-bloom thinner from petal fall up to 20mm fruitlet size. For optimal results, use Brevis at petal fall and follow up with a millimeter application if necessary depending on desired target fruit load. Brevis should be limited to only two sprays a season.

Applications should be guided by a tree carbon model like BreviSmart or the Cornell Apple Carbohydrate Thinning Model to adjust rates based on weather conditions.

## Minimum Application Intervals

8 days between applications is required.

## Application Method

Brevis can be applied using standard orchard sprayers. Ensure thorough coverage of the upper and lower parts of the tree for optimal thinning.

## Brevis Application Guidelines

### Rate Determination

Rates should be adjusted based on orchard-specific factors including but not limited to:

- Amount of desired fruit thinning
- Cultivar/variety
- Weather conditions
- Tree health
- Overall orchard history

Base rate should be determined based on an orchard's history of thinning propensity. Use a higher application rate in hard-to-thin orchards. In medium-to-thin orchards, use the mid-range rates and use lower rates in easy-to-thin orchards. Carbohydrate models (BreviSmart or Cornell Thinning Model) can help applicators make rate adjustments on the day of, based on the carbon status of the tree.

### Key Considerations

- **Temperature:** Do not apply when daytime temp exceeds 84°F (29°C) for majority of the day on the day of application or 2-3 days following the application.
- **Tree Health:** Weaker trees may exhibit leaf phytotoxicity under certain conditions.
- **Timing:** Adhere to recommended intervals and monitor fruit load to determine the need for a second application.
- Apply with 50-150 gallons water/acre.
- PHI is 72 days.
- REI is 12 hours.
- Use a tree carbon model like BreviSmart or the Cornell Apple Carbohydrate thinning model to adjust rates based on the carbon status of the tree.
- Do not apply to trees less than four years old.

# Brevis™

## Use Directions

Western States - Apples	Rate Range*
For states west of the Rocky Mountains including Washington, Oregon, California, Idaho and Utah.	16-48 fl oz/a + NIS

\*Label requires the addition of non-ionic surfactant (NIS) in the western US at 0.125% v/v.

Eastern States - Apples	Rate Range**
For states east of the Rocky Mountains including Massachusetts, Michigan, Minnesota, Missouri, New Jersey, New York, North Carolina, Pennsylvania, Virginia and Wisconsin.	16-40 fl oz/a

\*\*Label allows the addition of non-ionic surfactant (NIS) if weather conditions favor fast spray droplet drying.

Pears*	Rate Range
For states including Michigan, New Jersey, New York, North Carolina, Oregon, Pennsylvania and Washington.	16-48 fl oz/a

## Brevis Benefits & Features

Benefits	Features
Consistent thinning results	Metamitron-driven reduction in carbohydrate production
Flexible application window from petal fall to 20mm	Effective across a wider temperature range (including cooler conditions)
Improves marketability of apples and pears	Increased fruit size and uniformity
Safe for export markets and approved by leading global regulatory agencies	Non-detectable residues
Operational simplicity	No need for tank mixing with other thinners

## BreviSmart™ Tool

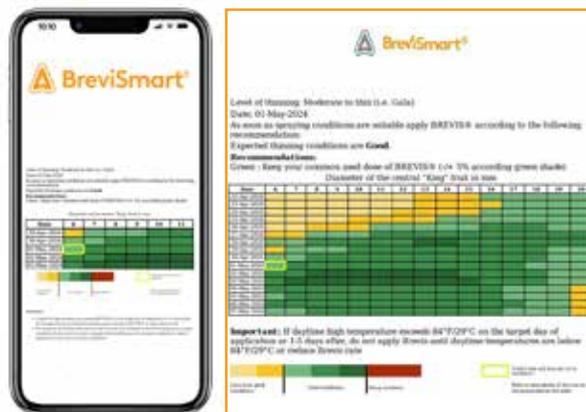
BreviSmart is an ADAMA modeling tool to guide rate determination.

Access via [Brevismart.adama.com](https://brevismart.adama.com). You will need to register by inputting all data fields with asterisks.

BreviSmart models night-time temperature from 8PM to 7AM as well as radiation and precipitation. It DOES NOT monitor day-time temperature.

Adjust the application rate up or down based on the BreviSmart table or reference the *Cornell Apple Carbohydrate Thinning Model* at <https://newa.cornell.edu/apple-carbohydrate-thinning>

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BreviSmart can be accessed on either mobile or desktop devices.

# Brevis™ In Action

Photos below show the results of hand-thinning in June approximately two months after second application of thinners.



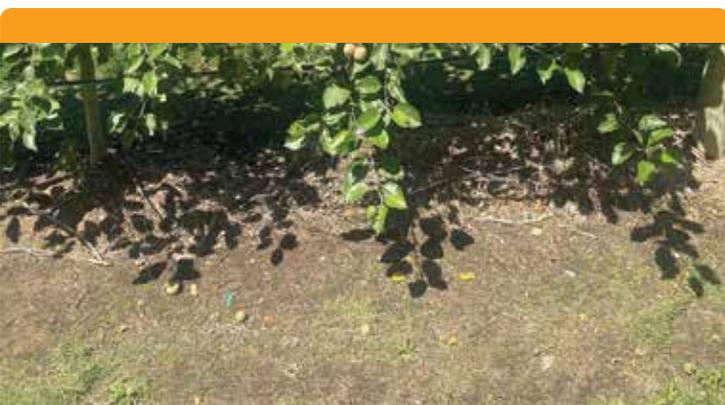
## Untreated

The presence of apples on the ground represents the quantity of fruit which had to be hand thinned from the tree.



## Grower Standard Program Carbaryl 48 floz/a + PoMaxa 4 floz/a at Petal Fall and 12mm

Both the untreated and grower standard program required a fair bit of hand-thinning to reach the desired amount of fruit remaining in the trees.



## Brevis - 2 applications: 2.5 pt/a at Petal Fall and 12mm

Brevis-treated trees required less hand thinning compared to the grower standard and untreated check. Trees treated with Brevis have very little fruit on the ground as a result of good chemical thinning compared to the untreated and grower standard program.



Always read and follow label directions. Data on file.  
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