

BreviSmart™



Take the guessing out of thinning!

BreviSmart™ walks you through it

BreviSmart™ is a digital, web-based tool that brings real science to the art of crop load management. By analyzing key orchard data – like night-time temperatures, sunlight, precipitation, fruitlet size, and variety – it pinpoints the ideal application window. The tool delivers a simple, daily report that helps growers adjust confidently as conditions change.

BreviSmart™ helps growers and advisors:

- Determine the best timing for application
- Adjust rates with confidence based on carbohydrate modeling
- Optimize labour and reduce uncertainty

During the thinning season, BreviSmart™ produces daily reports using a traffic light system:

- Green = favorable thinning conditions
- Yellow = reduced thinning conditions
- Red = strong thinning conditions

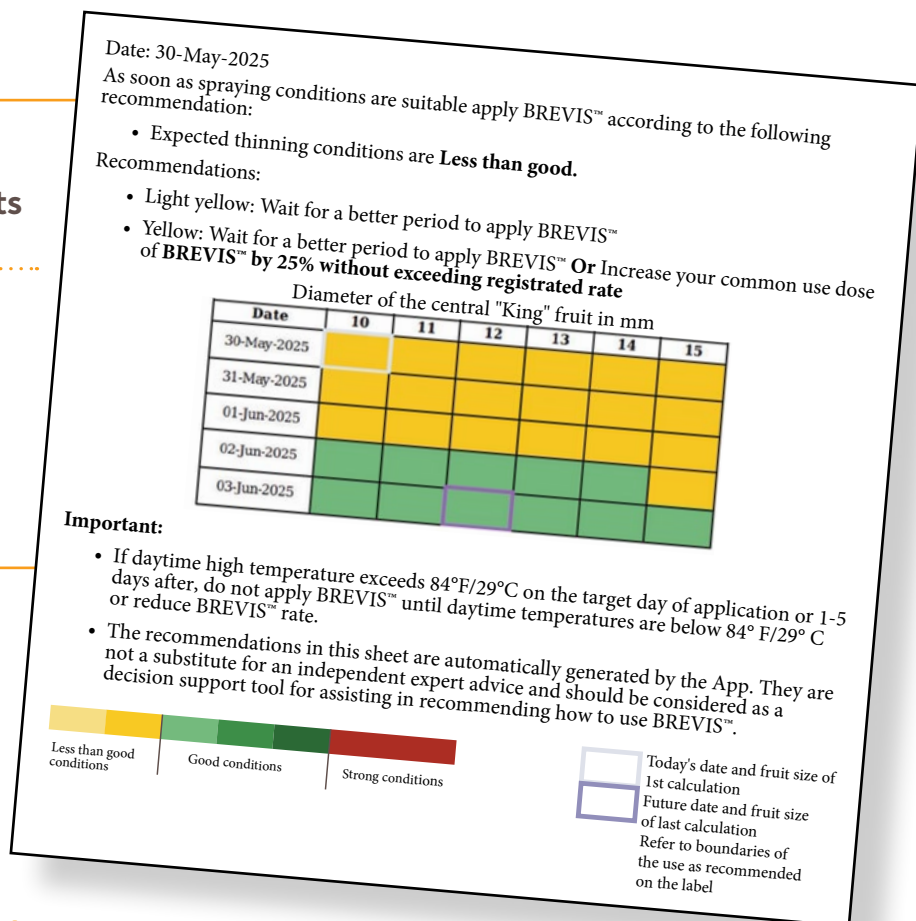
This allows for adjustment of application rates based on predicted thinning strength.



BreviSmart™ Model Output:

Adjust BREVIS™ 150 SC rate based on the conditions at time of spraying.

- The BreviSmart™ model will give you a recommendation of the carbohydrate profile of the tree
- Based on the BreviSmart™ recommendations you can then adjust your rates up or down to optimize thinning



High radiance, cool nights	Slight deficit, cloudy days, cool nights	Cloudy days, hot nights
Less than good conditions	Good conditions	Strong conditions
Increase rate up to 25%	Stay at planned rate	Wait or reduce rate (tops only)



When to spray?

- Apply BREVIS™ 150 SC between 6-20 mm fruit
 - » Use the BreviSmart™ App to help predict the appropriate time and rate to optimize thinning
- Apply BREVIS™ 150 SC once or twice depending on thinning propensity and target fruit load
- Consider spraying tops of trees if the tree middles and bottoms are at or close to the target fruit load

How to determine if a second application is necessary.

- Check several clusters 3–4 and 7–8 days after first application and determine growth rate of each fruitlet
- If it is predicted that fruit load is still higher than target, you have the option of a second application so long as your fruitlet size is less than 20 mm
- We recommend using the BreviSmart™ App again to determine the appropriate rate for the second application.
 - » Reduce rates if the tree is close to target fruit load to avoid over-thinning
 - » Apply BREVIS™ 150 SC only to tops of trees on second application



BREVIS™ 150 SC Application Guidelines:

Orchard Thinning Propensity	Starting Rate L/ha (L/ac)	
	East	West*
Easy-to-thin	1.2 (0.49)	1.8 (0.73)
Medium-to-thin	1.8 (0.73)	2.3 (0.93)
Hard-to-thin	2.3 (0.93)	2.9 (1.17)

*BREVIS™ 150 SC requires the addition of NIS in the west at 0.125% v/v

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