



Widens your application window for fruit thinning.

Product overview

Brevis® provides apple and pear growers with an innovative and more flexible option for fruit thinning. Compared with currently-available fruit thinners, Brevis can be applied across a wider growth interval (8–16 mm central fruitlet diameter), a wider temperature range (10–25°C) and up to two applications at a rate of 1.1 to 2.2 kg/ha (up to a maximum of 4.4 kg/ha per season).

Unique mode of action

Brevis contains the unique active ingredient, metamitron, which temporarily inhibits photosynthesis to induce fruit thinning. Applied as a foliar spray, metamitron is absorbed primarily by leaves but does not translocate throughout the tree. The rate of photosynthesis starts to decline within one hour after an application of Brevis and reaches its lowest point within three to five days. Excess fruitlets stop growing and pedicel discolouration can be observed as early as five days after application. The weakest fruitlets within a cluster, i.e. fruitlets with low growth rates or those without seeds; will usually drop first. Fruit drop will continue for several weeks. Depending on application rate, timing and environmental conditions, the rate of photosynthesis returns to normal levels within two to three weeks.

Cultivar responses

Brevis has been extensively tested on a wide range of apple and pear cultivars both locally and globally. While Brevis is able to induce thinning in most cultivars, the degree of thinning effect of Brevis can vary by cultivar. Please refer to the label at www.adama.com for a list of cultivars with a confirmed thinning response to Brevis in local and overseas field testing and/or commercial trials. For cultivar specific advice please contact your ADAMA Australia representative.

At a glance

Unique mode of action	Brevis contains the unique active ingredient, metamitron, which inhibits photosynthesis to induce fruit thinning.
Greater flexibility	Brevis provides greater flexibility during fruit thinning: <ul style="list-style-type: none"> • Effective over a wide temperature range (10°C to 25°C) • Wider application window (8 to 16 mm fruitlet diameter) • Apply up to two applications at a rate of 1.1 to 2.2 kg/ha (up to a maximum of 4.4 kg/ha per season)
Proven efficacy	Tested in more than 50 trials in Australia over eight years.
Rainfast	Rainfast within two hours of application.
Re-entry	Orchard workers can re-enter the orchard once the spray has dried.
Compatible with IPM programs	No impact on beneficial insects and is compatible with IPM programs.
Nil withholding periods	Brevis has no withholding period or export restrictions when used in accordance with label directions.
Cultivar response	Local trial work has confirmed thinning responses to Brevis in Fuji, Granny Smith, Pink Lady, Red Delicious, Royal Gala and Ruben apple cultivars. Local trial work has also confirmed fruit thinning responses to Brevis in Packham pears under Australian conditions.

Brevis®

Spray program

Apply Brevis at 1.1 to 2.2 kg/ha when conditions are suitable from the start of the use window. The rate used will depend on the amount of fruit thinning required. This will be influenced by fruit set and previous history of small fruit and biennial bearing.

Use the lower rate to thin fewer fruitlets, particularly on easy to thin cultivars and where strong thinning responses to Brevis have been previously observed.

Use the higher rate to increase thinning, where there is high fruit set, on harder to thin cultivars and/or when applying later in the Brevis application window.

A second application of Brevis at 1.1 to 2.2 kg/ha may be required where there is high fruit set, particularly on harder to thin cultivars and where the photosynthesis rate is high and favouring greater fruitlet retention. There must be a minimum interval of 5 days between Brevis applications.

DO NOT apply more than 4.4 kg/ha of Brevis per season.

Application timing

Application timing is critical to optimise efficacy. Brevis should be applied when the central (king) fruitlets are 8–16 mm in diameter. When applying Brevis as either a single timing or split application, DO NOT apply later than the 16 mm diameter stage.

Application conditions

The efficacy of Brevis is directly related to day/night temperatures before and after application. Apply when daily temperatures are between 10°C and 25°C. Cloudy weather (lower light intensity) and warmer night temperatures >10°C can increase thinning the week prior to and post application. Always check current and forecast weather conditions before application. Postpone application if temperatures are outside the recommended range or trees are under stress due to cloud cover, heat, frost, drought or hail damage. Consider reducing the application rate and/or the need for a second application. DO NOT apply within five days of a frost or if frost is expected.

Refer to the BreviSmart® model available from ADAMA for the best window to apply Brevis. More information on how to access the BreviSmart decision support tool can be obtained from contacting your ADAMA representative.



Scan here for more information

Spray application

Apply in a spray volume to achieve good coverage. DO NOT apply past the point of run-off. Brevis has a thinning effect only on the treated parts of the trees and should only be applied to the parts of the crop canopy that require thinning. Application should be made using appropriate spray equipment and sufficient water to provide adequate penetration and coverage. Equipment setting and water volume may need to vary, depending on the tree height and canopy. Take care not to overlap sprays during application. DO NOT apply oil-based products within 7 days before or after application of Brevis.

Other fruit thinners

Brevis can be applied as part of a program in a sequence with other thinners. If applying primary thinners, assess the effectiveness of these applications and additional fruit thinning requirements before deciding on the application rate/number of Brevis applications.

Rainfastness

Brevis is rapidly absorbed and is rainfast within two hours of application.

Withholding periods

Harvest: Not required when used as directed.

Grazing: DO NOT allow livestock to graze inter rows in treated orchards.



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