

WARNING
KEEP OUT OF REACH OF CHILDREN
CORROSIVE (EYE)
ECOTOXIC



BREVIS

**A plant growth regulator for fruitlet thinning in apples
and pears.**

READ THE ATTACHED BOOKLET COMPLETELY BEFORE OPENING OR USING

ACTIVE INGREDIENT:

Contains 150 g/kg METAMITRON in the form of a water soluble granule

Adama New Zealand Limited
Level 1, 93 Bolt Road,
Tahunanui, Nelson 7011
PO Box 1799, Nelson 7040
New Zealand
Telephone 03 543 8275
www.adama.com

NET CONTENTS
500 g – 20 kg

ADAMA

Refer to booklet for full label instructions.

HAZARD CLASSIFICATION

6.1D, 8.3A, 9.1B, 9.2B, 9.3C



TOXIC



CORROSIVE (EYE)



ECOTOXIC

WARNING

Harmful if swallowed.

Causes serious eye damage. Avoid contact with eyes.

ECOTOXICITY

Harmful to aquatic life with long lasting effects. Do not apply onto or into water. Avoid contamination of any water supply with product or empty container.

Toxic to the soil environment. Plant growth regulator. Certain plants may be damaged through uptake of this product.

Harmful to terrestrial vertebrates.

Handling precautions

Keep out of reach of children.

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Equipment

Apply using accurately calibrated and maintained equipment in accordance with The New Zealand Standard for the Management of Agrichemicals (NZ8409).

Clean out application equipment thoroughly after use.

Storage

Store in the original, unopened container in a cool, dry, place, out of direct sunlight and away from stockfeed or foodstuffs.

As a Class 9 Substance with Ecotoxicity Classifications storage of BREVIS must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS8409) is followed as a means of meeting the secondary containment provisions of the HSNO Emergency Management Regulations. See Safety Data Sheet for further information.

Shelf life

When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

Transport

Do not carry greater than 3 kg of this product on a passenger service vehicle.

Personal protection

When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, goggles and chemical resistant elbow-length gloves.

Remove protective clothing and wash hands, arms and face with soap and water before meals and after work.

Spillage

Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing as above to clean up spills. Sweep up spilt material and place in waste containers. Absorb liquid spills with an inert material (such as vermiculite, earth, sand or synthetic absorbent substance) and place in waste containers. Wash area with water and alkaline detergent then absorb any remaining liquid with further inert material. Dispose of the waste safely in an approved landfill.

Disposal

Container Disposal - Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an Agrecovery® depot for recycling. Alternatively, burn in an appropriate incinerator if circumstances such as wind direction permit, or puncture and bury in a suitable landfill. Do NOT use container for any other purpose. Avoid contamination of any water supply with product or empty container.

Product Disposal – Dispose of this product only by using according to this label, or through the Agrecovery® Chemical Recovery service or other approved facility.

Label

FIRST AID

For advice contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor immediately. If medical advice is needed, have product container or label at hand.

IF SWALLOWED: Rinse mouth and call a POISON CENTER or doctor/physician if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. IMMEDIATELY call a POISON CENTRE or doctor.

SAFETY DATA SHEET

A Safety Data Sheet for this product is available at www.adama.com or from Adama New Zealand Limited on request. Call 03 543 8275.

CONDITIONS OF SALE

Adama New Zealand Limited will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than the responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by the Statutes applicable to the sale and supply of these goods. To the extent allowed by such Statutes the liability of Adama New Zealand Limited is limited to the replacement of the goods or (at the option of Adama New Zealand Limited) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to Adama New Zealand Limited within thirty days of delivery.



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DIRECTIONS FOR USE

BREVIS is a photosynthesis inhibitor used for fruitlet thinning on apple and pear trees. BREVIS is applied post-fruit set to thin excess fruitlets, contributing to an increase in fruit size and thus, the quality of fruit production.

The activity of BREVIS depends upon the weather conditions (light and temperature) before, during and after application as well as the vigour of the trees. Results may vary with application rate, timing, variety, climate, stress on the trees and other thinning sprays or plant growth regulators applied to the block. Caution must be exercised when using the product for the first time or on new areas or blocks, so as not to over thin the crop.

BREVIS is generally well-tolerated by common apple and pear varieties. However, some varieties and clones may respond differently to fruit thinning agents and not all varieties and clones have been individually tested for crop safety under all environmental conditions and growing circumstances. Under favourable conditions, the product may cause chlorotic spots and mild scorch on the leaves. These have no impact on the development of the crop. A dose rate above the recommended label rate (either as a single application or sequential applications) may cause strong necrosis followed by the drop of the affected leaves, over-thinning of fruitlets and potential yield loss.

Use of summer oils, adjuvants, some oil based crop protection products (e.g. penthiopyrad), SDHI fungicides and other products in the spray program (e.g. amino acids) may increase the thinning effect of BREVIS. If it is necessary to apply another crop protection product within five days before or after application of BREVIS, seek advice from your crop protection advisor.

Over-thinning may occur if overcast conditions and/or warm night-time temperatures (>10° C) prevail in the week prior to and post application. The dosage of BREVIS can be adjusted, and a second application may need to be reconsidered, based on the prevailing conditions at time of application. Take care not to overlap sprays during application. DO NOT use on areas with a history of poor or variable fruit set or retention, nor on trees with poor tree health or under stress e.g. frost damage, water stress, as over-thinning may occur.

Apply only by ground based application methods.

DO NOT apply higher label rates on varieties or trees with a history of issues with fruit retention or over-thinning responses to other thinning products.

DO NOT apply BREVIS at rates exceeding those stated on the label. Observe a minimum interval of five days between applications.

DO NOT use on trees to be used for propagation.

DO NOT apply herbicides that are very volatile in the 7 days before and after BREVIS application as this can increase the negative effect of chlorosis on the leaves.

DO NOT spray on wet leaves, e.g. early in the morning after a dew or shortly after rain.

DO NOT apply within 5 days of a frost or when frost is expected.

Avoid drift onto non-target crops, especially stone fruit as drift may cause scorching of the foliage. A buffer zone of 5 m between the application area and any downwind area containing non-target plants must be observed when applying this substance.

CROP	RATE	APPLICATION TIMING
Apples Pears	1.1 to 2.2 kg/ha	Apply when king fruitlets are 8-14mm in diameter. Where normal fruit set has occurred, apply a single application of BREVIS at 1.1 to 2.2 kg/ha when the diameter of the king fruitlets is 8-10 mm. If the low rate was applied at the 8-10 mm stage, a second BREVIS application of 1.1 kg/ha can be made (if required) at the 12-14 mm king fruitlet stage, providing a minimum interval of 5 days is observed between applications. Do not apply more than 2.2 kg/ha.
CRITICAL COMMENTS		
BREVIS is applied when king fruitlets are 8-14 mm in diameter. Do not apply later than the 14 mm stage.		
The rate and number of BREVIS applications should be based on the growing conditions, tree vigour and fruit set. The effect of BREVIS when trees are under stress will be stronger. Application timing should be postponed if the trees are under stress (e.g. after a period of cloudy weather, high day and/or unusually high night temperatures, drought, hail damage etc.) or when a stressful period is expected.		
In certain situations i.e. heavy fruit set, hard to thin varieties and/or growing conditions not conducive to chemical thinning, hand-thinning may be required after the maximum seasonal rate of BREVIS has been applied to the crop to achieve the desired fruit set.		
Application guidelines		
Apply BREVIS in temperatures between 10°C and 25°C. Apply as a dilute spray to give good coverage. DO NOT apply past the point of runoff. Water rate should reflect the Tree Row Volume at the time of application.		
Application rate guide		
Brevis rate/ha (kg/ha)	Water volume (L/ha)	Brevis rate/100 L (grams per 100 L)
1.1 kg	1000 L	110 g
	1500 L	73 g
	2000 L	55 g
2.2 kg	1000 L	220 g
	1500 L	147 g
	2000 L	110 g
DO NOT apply using concentrate spray volumes exceeding 220 g of BREVIS per 100 L.		

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

WITHOLDING PERIOD

DO NOT apply later than 30 days after full bloom.

RE-ENTRY PERIOD

DO NOT re-enter the treated area for 3 days after the end of application of BREVIS.

The person in charge of areas treated with BREVIS must ensure no person works in contact with treated trees until the end of the re-entry interval.

ORCHARD MANAGEMENT

In orchards with vigorous growth, with a high number of suckers, the action of BREVIS may be increased due to competition for photosynthesis between the vegetation itself and the fruit. Strong vigorous trees, in general, react more strongly to chemical fruit thinning. Variety, orchard cropping history, orchard management practice and seasonal weather conditions occurring prior to, and at orchard flowering, will influence the effectiveness response.

Use of BREVIS on young apple and pear orchards under 3-4 years is not recommended.

The use of hail nets may increase the effectiveness of BREVIS due to partial reduction of solar radiation available to the trees and the existence of a microclimate.

APPLICATION

Choose a spray volume that ensures good coverage of the tree and foliage. Apply to point of run-off.

The application rate and water volume recommendations are made for mature trees with a full canopy. For smaller trees or thinner canopies, the water volume may be reduced.

It is important to have uniform product coverage over the targeted parts of the tree. BREVIS has a thinning effect only on the treated parts of the trees and should only be applied to the parts of the trees that need to be thinned.

MIXING AND SPRAYING

Ensure the sprayer is clean and in good working order. Calibrate according to the sprayer manufacturer's recommendations.

Half fill the spray tank with clean water and begin agitation. Add the required quantity of BREVIS to the tank and complete filling. Triple rinse empty product container and add rinsate to the spray tank. Continue agitation until spraying is complete.

Do not leave the sprayer standing with the spray mixture in it for a long period of time.

Wash out the sprayer thoroughly after use using a minimum of 3 rinse cycles. Do not clean application equipment near surface water.

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0800 734 607

In a Transport
Emergency
Phone 111
Police or Fire

Booklet

Batch Number:
Date of Manufacture

Bar code to be inserted