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ADAMA



BREVIS[®]



**PLANT GROWTH
REGULATOR**

Soluble granule

**MAPP
17479**



Ingredients

- Metamitron 150 g/kg (15% w/w)



Crops

A fruit thinner for use on apple and pear trees.



Important information

PROTECT FROM FROST
 ADAMA Agricultural Solutions UK Ltd
 Third Floor East, 1410 Arlington Business Park,
 Theale, Reading, RG7 4SA
Tel: 01635 860555 **Technical Helpline:** 01635 876622
 www.adama.com **Email:** ukenquiries@adama.com

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

For advice on medical emergencies, fires or major spills telephone the National Chemical Emergency Centre on 01865 407333.

This label is compliant with the Voluntary Initiative Guidance R3.0.6 Dec 23



Scan for Safety Data Sheet

Or use the weblink :
<https://bit.ly/3GJLB62>
 Alternatively, contact your supplier.



L12196IPFR_05



**NO VARNISH
AREA**

1 kg

Danger

Harmful if swallowed.
Causes serious eye damage. Toxic to aquatic life with long lasting effects.

Keep out of reach of children.

Do not eat, drink or smoke when using this product. Wear protective gloves, eye protection & face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty, clean containers which can be disposed of as non-hazardous waste. To avoid risks to human health and the environment, comply with the instructions for use

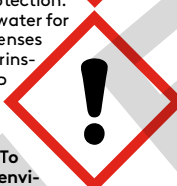
SAFETY PRECAUTIONS

Operator Protection

Engineering control of operator exposure must be used where reasonably practicable, in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE GLOVES and EYE PROTECTION (FACESHIELD)

when handling the product. WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection. WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves. TAKE OFF IMMEDIATELY all contaminated clothing. IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical advice. WASH HANDS AND EXPOSED SKIN before eating and drinking and after work. Read further SAFETY PRECAUTIONS inside this booklet.



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IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS A PLANT GROWTH REGULATOR

Crop	Maximum individual dose	Maximum no. of applications	Latest time of application
Apples and pears	2.2 kg per ha	2 per year	60 days before harvest

Other specific restrictions: Spray equipment must only be used where the operator's normal working position is within a closed cab on a tractor or on a self-propelled sprayer when making broadcast air-assisted applications. The maximum in-use concentration of the spray solution must not exceed 220g product per 100 litres water. READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

GROUP 5 PLANT GROWTH REGULATOR

sections of the orchard with different varieties.

Water volume 400 – 1000 litres per ha.

Use a spray volume that ensures good coverage of the tree and foliage. The application rate and water volume recommendations are made for mature trees with a full canopy. For smaller trees or thinner canopies, the dose and water volume may be reduced in accordance with a recognised dose adjustment scheme e.g. UK PACE.

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 sprayed on 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 washings to 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.

Use a water volume of 400 – 1000 litres per ha

COMPANY ADVISORY SECTION

This section is not part of the Product Label under the Plant Protection Products Regulations and provides additional advice on product use at the discretion of ADAMA Agricultural Solutions UK Ltd.

Disclaimer/conditions of supply

The specified properties of our products and the mode of application stated on this label have been established on the basis of research and experience. Products conform to specification at

the time of delivery but, as we exercise no control over their subsequent storage, handling, mixing or use or the weather conditions before, during and after application, all of which may affect the performance of the products, no responsibility or liability will be accepted by us or our re-sellers for any failure in performance, damage or injury to person or property whatsoever arising from the storage, handling, application or use of the products. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in or make recommendations concerning the use of such products. We recommend you contact your dealer to request advice on the suitability of this product for any new and/or unusual growing methods or for new varieties not listed on this label.

Marketed by:

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GROUP 5 PLANT GROWTH REGULATOR

SAFETY PRECAUTIONS/ CONTINUED.

Environmental Protection

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

EMPTY CONTAINER COMPLETELY and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

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This leaflet is part of the approved label.

BREVIS® (MAPP 17479) is a soluble granule containing 150g/kg (15% w/w) metamitron. It is a fruit thinner for use on apple and pear trees.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

Introduction

BREVIS is a photosynthesis inhibitor for use on apple and pear trees. It is applied post-blossom to thin fruit where fruit set is excessive. BREVIS acts on the photosynthesis of the plant, causing excess fruit to fall, thus contributing to an increase in the quality of fruit production.

Restrictions or warnings

Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

Crop Cautions

Avoid drift on to non-target crops, especially plums and cherries as drift may cause scorching of the foliage.

BREVIS should not be sprayed on wet leaves, e.g. early in the morning after a dew or shortly after rain.

Summer oils, adjuvants, some oil-based crop protection products (e.g. Penthioopyrad), SDHI fungicides and other products in the spray program (e.g. amino acids) may increase the thinning effect of BREVIS. Keep an interval of at least 7 days before or after application of BREVIS.

Do not apply herbicides that are very volatile in the 7 days before and after BREVIS application since they can increase the negative effect of chlorosis on the leaves.

Do not apply within 5 days of a frost or when frost is expected.

Apply in temperatures between 10°C and 25°C.

Varieties and clones respond differently to fruit thinning agents. Not all varieties and clones have been individually tested for crop safety under all environmental conditions and growing circumstances.

BREVIS is generally well tolerated by the common apple and pear varieties. Under unfavourable conditions, the product may cause chlorotic spots on the leaves. These have no impact on the development of the crop. A dose rate above the rate recommended on the label may cause strong necrosis followed by the drop of the affected leaves.

Application of the higher rates either as a single or a sequence may result in over-thinning with some varieties grown on M9 rootstock.

Do not overdose.

Take care not to overlap sprays during application.

Do not use on plants to be used for propagation.

Mode of action

BREVIS contains metamitron, belonging to the triazinones chemical group HRAC Group 5 (Inhibition of photosynthesis at photosystem II).

Crop specific information

BREVIS may be used on apples and pears from 8mm stage of the fruitlets up until the 14mm stage.

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 fruits.

Strong vigorous trees, in general, react more strongly to chemical fruit thinning. Rates should be reduced accordingly. Variety, orchard cropping history, orchard management practice and the seasonal weather conditions occurring prior to, and at orchard flowering, will influence the selected application rate and effectiveness response.

It is recommended not to use BREVIS on young apple orchards under 3-4 years and pear orchards under 7-8 years.

The use of hail nets may increase the effectiveness of BREVIS due to a partial reduction of solar radiation available to the trees and the existence of a microclimate. In this case, it is recommended to decrease the doses used.

Time of application

Apply to apple and pear trees from the end of flowering up until fruit diameter are 14mm. Up to 2 applications of BREVIS may be made in a season.

The first application of BREVIS should normally be applied when the average diameter of the central fruit is between 8-10mm. If the optimum timing for the 1st application of 8-10mm is missed, BREVIS may still be applied as a single application at the 12-14mm fruitlet size but, the rate should be increased to a minimum of 1.65kg/ha.

If a second application is required, it should be applied 5 to 10 days after the first application with

a minimal interval of 5 days but not later than the 14mm fruitlet size.

Latest time of application is 60 days before harvest.

The effect of BREVIS when the trees are under stress will be stronger.

Timing of application is flexible, and it is recommended to postpone application when 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.

Rate of use

For best results apply when the fruitlets are at 8-14mm in diameter.

For specific use recommendations see below.

Rate of use and number of applications	Varieties	Thinning category
Apples		
1.65 - 2.2 kg/ha. Apply a 2nd application of 1.65 – 2.2 kg/ha if further thinning is required.	Bramley, Elstar, Fuji, Gala, Junami, Kanzi (weak growing)	Difficult to thin
1.1* - 1.65 kg/ha Apply a 2nd application of 1.1 – 1.65 kg/ha if further thinning is required.	Belgica, Braeburn, Cox, Golden Delicious, Idared, Kanzi (strong growing), Pink Lady, Pinova	Reacts normally to thinning
1.1* - 1.65 kg/ha Apply a 2nd application of 1.1 kg/ha if further thinning is required.	Granny Smith Jonagold Rubens	Easy to thin

Rate of use and number of applications	Varieties	Thinning category
Pears		
1.65 - 2.2 kg/ha OR 2 applications of 1.1 – 1.65 kg/ha. 2 applications may be needed if there is high fruit set and for older trees.	Conference	Varieties requiring thinning
1.1* - 1.65 kg/ha if thinning is required.	Other varieties	Normally not requiring thinning

* If the single application is applied at the 12-14mm fruitlet size then a minimum rate of 1.65 kg/ha should be used.

Rate will depend on amount of fruit thinning required. This will be influenced by fruit set and previous history of small fruit and biennial bearing.

A second application may be required on difficult to thin varieties with high fruit set or in situations where the rate of photosynthesis is high. There must be a minimum interval of 5 days between applications.

In plantations with mixed varieties (use of varieties as pollinators), pay attention to the different varietal sensitivity and adjust the dose appropriately taking care to prevent drift between different



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4x1 kg