



Brevis®

Less art. More science.



Now
for
pears!

When it comes to apple thinning 'hit and miss' simply won't do. With BREVIS you can finally get the consistent and reliable results you are looking for.

Revolutionising apple thinning

Chemical thinning is complicated. Traditional chemical thinners provide inconsistent and variable results. Due to the high weather dependency of these thinners thinning is often unpredictable.

BREVIS is a new and innovative secondary fruit thinner especially formulated for apples. Its unique mode of action revolutionises the way apples are thinned. **BREVIS** gives growers the means to thin apples more reliably and consistently, year after year.

With much less temperature dependency and a wide window of application, **BREVIS** solves the problems growers face with traditional chemical thinners.

With BREVIS you can finally add science to the art of thinning!

Global and New Zealand research

Adama has undertaken extensive research globally and in New Zealand with over **600** trials with **BREVIS** to date. **BREVIS** is registered in over 20 countries and more registrations are being added each year.

WHY BREVIS?

- **Less** weather and temperature dependent
- **Wide** window of application (8-14 mm size fruitlets)
- Rainfast within **2 hours** of application
- Quick access to orchards - re-entry after **3 days**
- **Non-toxic** to beneficial insects
- **No negative effect** on shoot growth or return bloom
- Beginning of **fruit drop 7-10 days** after application
- Suitable on a **wide range of varieties** including those that are difficult to thin

ADAMA

How does BREVIS work?

BREVIS is a secondary thinner and is applied post-fruit set to thin excess fruitlets.

BREVIS mimics shading by interfering with the photosynthetic process, curbing the production of carbohydrates used for tree growth. The stressed tree then directs its carbohydrate supply to the shoots and leaves at the expense of the fruitlets. As a result, the smaller fruitlets are dropped.

Mode of action

BREVIS application



Rapid plant uptake within 2 hours



Inhibition of photosynthesis

Reduction in production of carbohydrates



Fruit drop



Survival of king fruit



Differentiation

Limited carbohydrates to support survival of all fruitlets

Factors to consider when applying BREVIS

Weather conditions

Even though results from applying **BREVIS** are less dependent on weather than traditional thinners, weather conditions (temperature and light) before, during and after application will impact on how strongly **BREVIS** thins.

- Warm night time temperatures (above 10°C) in the week prior to and post application will lead to elevated tree respiration. This in turn draws on the tree carbohydrate reserves, further stressing the tree. Therefore, the thinning effect of **BREVIS** will be greater.
- Extended periods of low light (overcast cloudy conditions) also reduce carbohydrate production and increase tree stress. Again, the thinning effect of **BREVIS** will be greater.

- If both conditions occur, that is, days are cloudy and night time temperatures high (high respiration), then the thinning effect will be at its greatest.

In these instances care should be taken to avoid over-thinning. **BREVIS** rates should be adjusted accordingly.

Additional factors to consider

To get the best out of **BREVIS** it is important to also consider other factors such as, but not limited to:

- Size of previous year's crop
- Block history
- Strong or weak flowering
- Tree vigour and age
- Winter chilling
- Apple variety
- Soil type
- Hail netting
- Type of rootstock
- Tree size
- Excessive shading in the lower part of the tree



Trial results (New Zealand)

Several trials with **BREVIS** have been conducted by independent contractors in New Zealand. Trial results show that **BREVIS** delivers consistent and reliable thinning results compared to traditional chemical thinners.

Pacific Queen trial, Hawke's Bay 2015-16

The Pacific Queen trial evaluated the efficacy of **BREVIS**. The higher **BREVIS** application rate of 1 x 2.2 kg targeted fruitlets at 8-10 mm in size. The lower **BREVIS** rate of 1.1 kg was applied twice, targeting fruitlets at 8-10 mm and at 12-14 mm.



Untreated



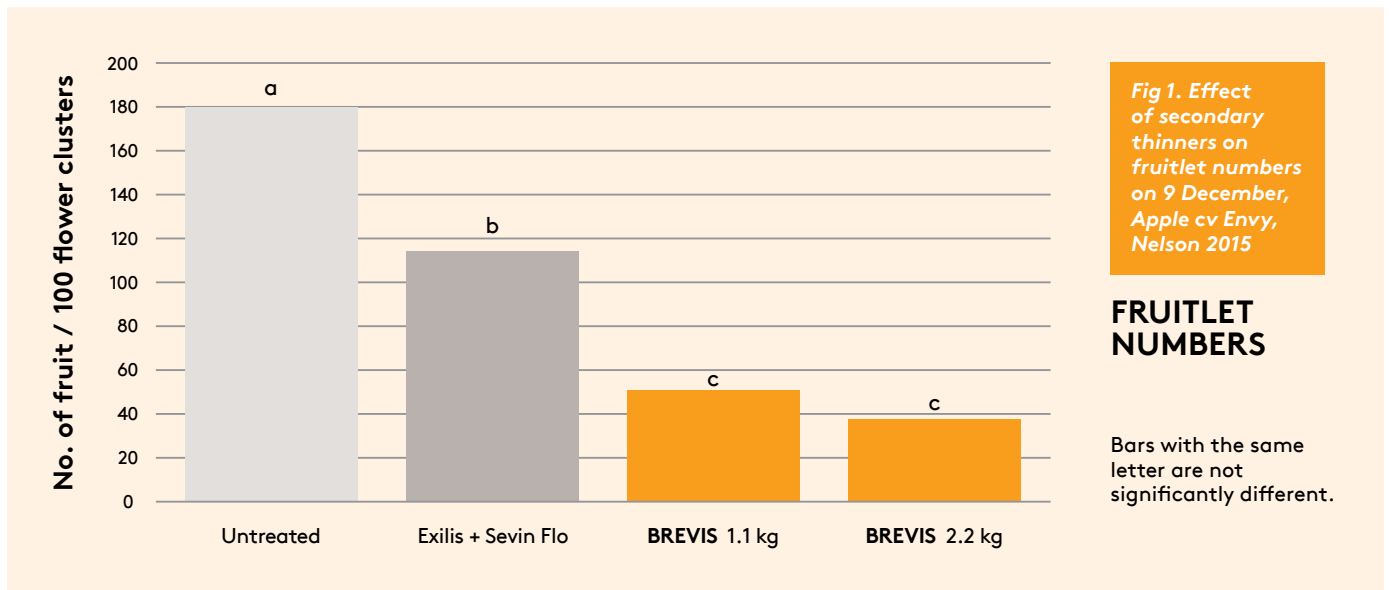
BREVIS 2 x 1.1 kg



BREVIS 1 x 2.2 kg

Envy trial, Nelson 2015-16

The Envy trial compared secondary thinners Exilis® and Sevin® Flo with **BREVIS** (see fig. 1). The trial block had two applications of ATS on 10th and 16th of October prior to trial commencing. **BREVIS** was applied when king fruitlets were 8 mm. Exilis and Sevin Flo were applied when king fruitlets were 12 mm.



"BREVIS has changed chemical thinning for us. The results are more consistent, which saves us money and time."

Mike Caplan

Orchardist, Hawke's Bay

WANT TO KNOW MORE?

Talk to your local technical advisor to find out more on how **BREVIS** can revolutionise apple thinning for you.

IMPORTANT:

This is not the registered label. Always read the product label carefully before using any product and follow label instructions.

For specialist advice in an **EMERGENCY** call **0800 734 607 (all hours)**.

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