

# Armobreak & Armogan

## What is Armobreak & Armogan?

Armobreak is a product to encourage an earlier bud break and compact the flowering period for use on cherries. Armobreak has wetting agent based ingredients and leaves no residues.

Armogan is the nitrogen source used in conjunction with Armobreak.

Armobreak/Armogan has been extensively trialled in Australia on a number of crops including grapes, cherries, and low chill stone fruit. It has been used in Europe South Africa, New Zealand and South America for a number of years as well.

Even if you are in a high chill area flowering each season varies. Armobreak is another tool to help achieve a compact and even flowering of your crop.

## What will Armobreak & Armogan do for you!

1. More uniformity at bud break- hence the fruit all mature at a similar time.
2. Reduce the number of picks at harvest- hence save time and money
3. Early phases of bud burst are more rapid with the use of Armobreak/Armogan.
4. Open up blind wood compared with blocks continually treated with hydrogen cyanamide based products- hence there will be an increase yields.
5. Minimal OHS restrictions on application- there is no food or drinking restrictions using Armobreak and Armogan.

**See back page for new lower rates for cherries**



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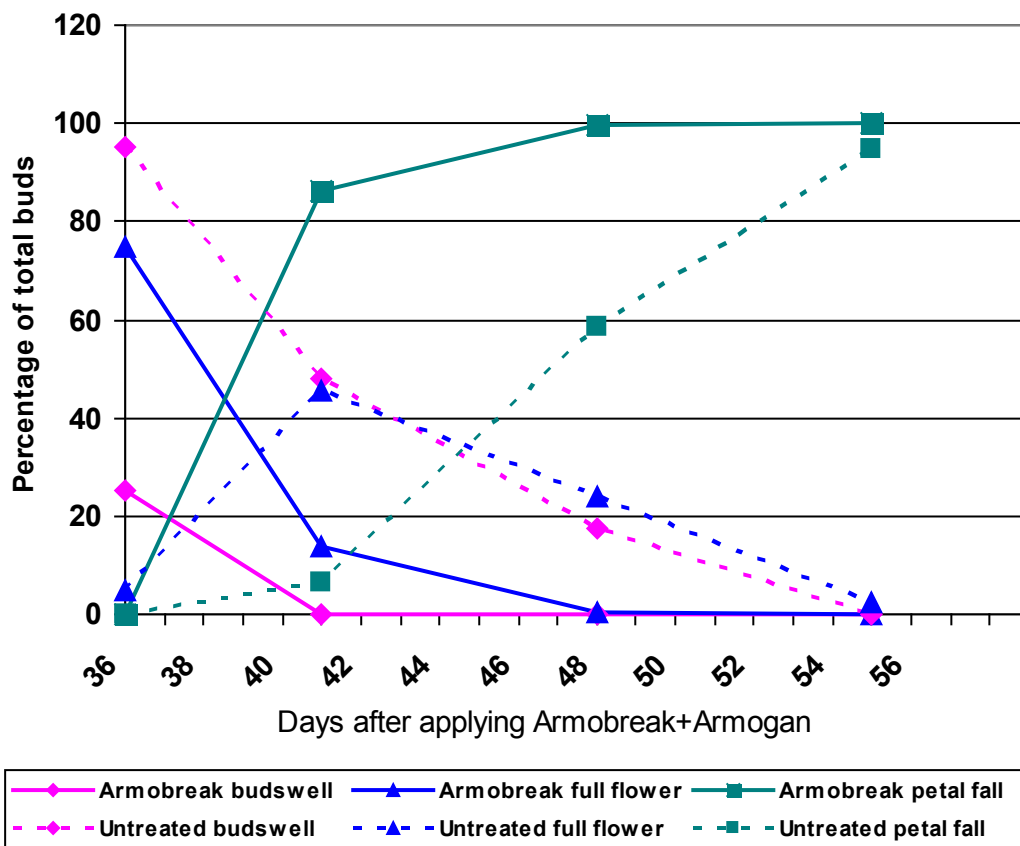
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# Armobreak Cherry Use

Effect of Armobreak on cherry flowering (cv. Bing),  
Goulburn Valley, Vic, 2002



This graph shows that:

- Armobreak + Armogan gave a more rapid and even budbreak than the untreated block (pink lines)
- Armobreak + Armogan compacted the flowering period compared to the untreated block (blue lines).
- Use of Armobreak + Armogan lead to a rapid petal fall stage (green lines)
- Hence Armobreak + Armogan compacts flowering and gives more uniformity of the cherries at picking time.

**See back page for new lower rates**

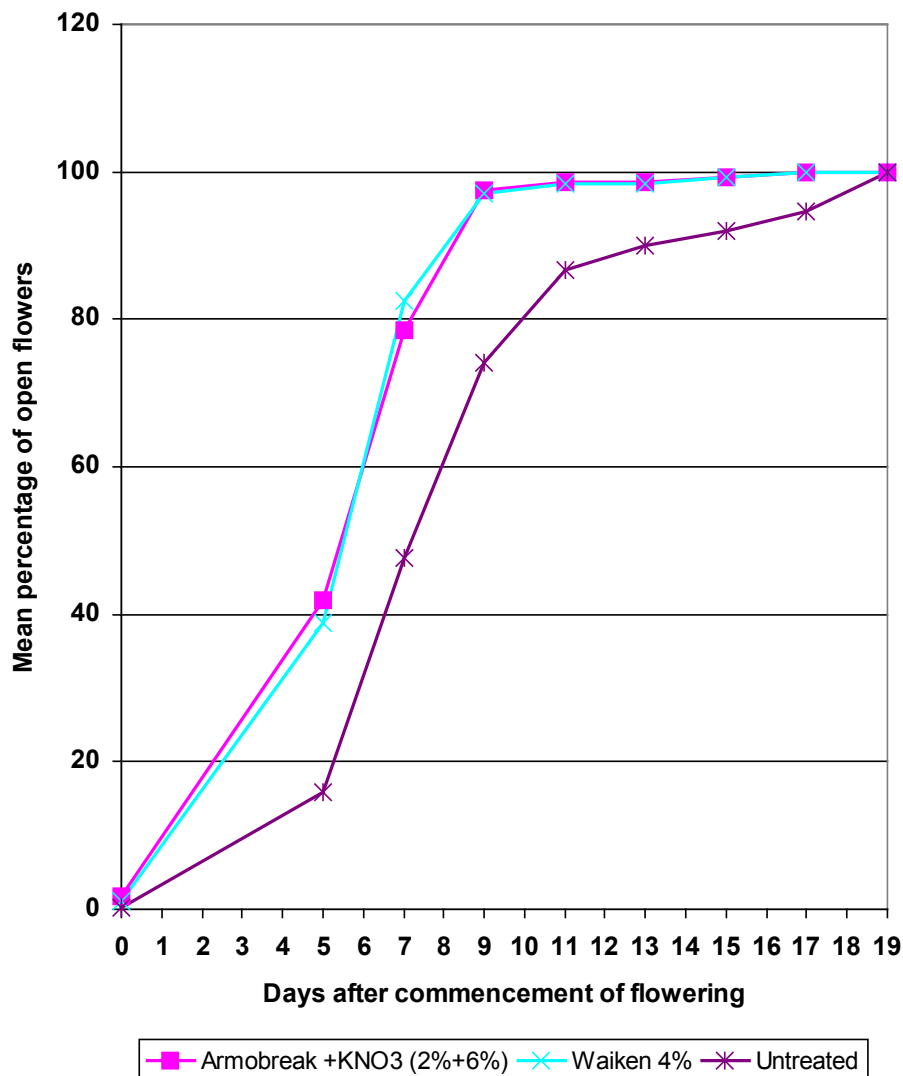
## Use Rates for Armobreak & Armogan on Cherries

- Armobreak on cherries is used at **2L Armobreak + 20L Armogan per 100 litres water.**
- Application timing is **3-5 weeks before expected time of budbreak.**
- Use 800L-1000L water per hectare (depending on tree size).
- It is best to apply Armobreak & Armogan in the afternoon with slow drying conditions as more product will be absorbed and hence better results.

# Armobreak Apple Use



Evaluation of Armobreak as a dormancy breaker in apples cv Royal Gala, Bilpin, NSW, 1998



This graph illustrates that the use of Armobreak accelerated the flowering cycle leading to a more compacted flowering. This opens the possibility of:

- larger fruit as fruit is on the tree for longer
- more even sized fruit
- more accurate thinning

## Use Rates for Armobreak & Armogan on Apples

- Armobreak on apples is used at **2L Armobreak + 5L Armogan** per 100 litres water.
- Application timing is **3-5 weeks before expected time of budbreak**.
- Use 800L-1000L water per hectare (depending on tree size).
- It is best to apply Armobreak & Armogan in the afternoon with slow drying conditions as more product will be absorbed and hence better results.

# Updated Trial work- Cherries

Trial work has been conducted throughout the 2011 & 2012 cherry season in Tasmania on Lapins using Armobreak & Armogan in conjunction with Du-Wett to determine the potential for reduced rate/ha of Armobreak application. The trial showed conclusively that this was possible, as seen below. Work carried out in 2012 also showed the same results.

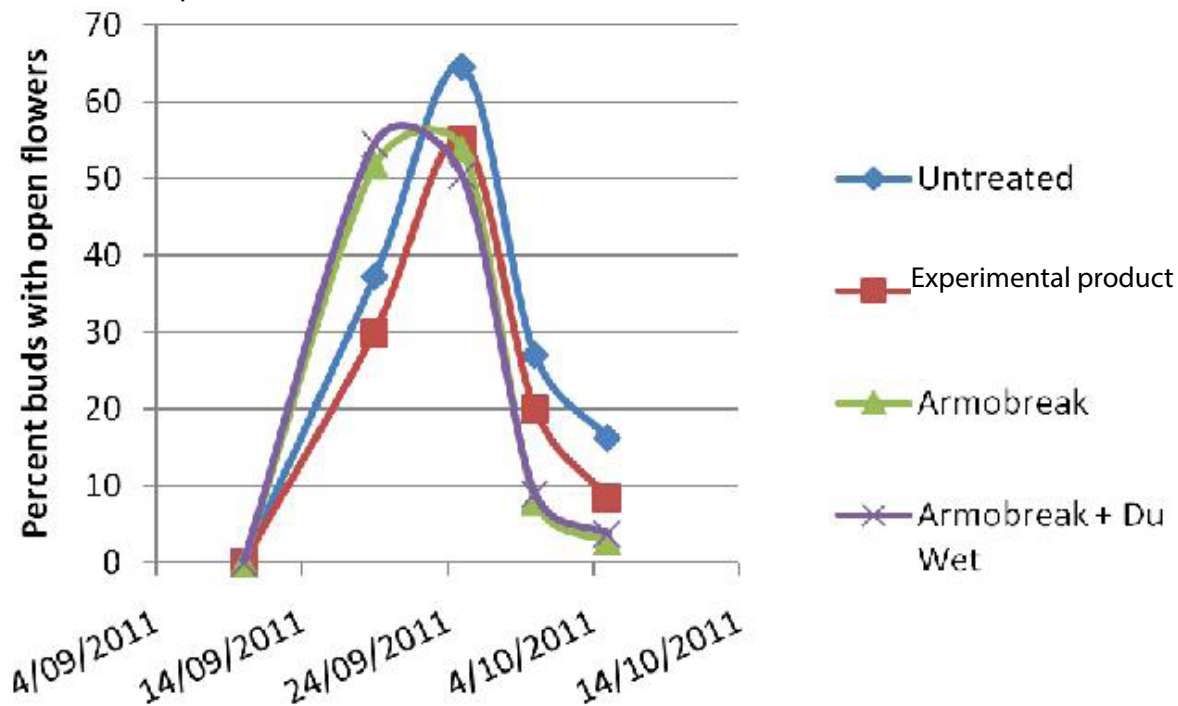
Rates used were as follows:

Armobreak 2.5L/100L water

Armogan 20L/100L water

Du-Wett® 25mL/100L water

Water volume per hectare was 400L



The main results from this trial show:

- There is no significant difference between using Armobreak with high volume water, or Armobreak + Du-Wett in a low volume of water.
- Armobreak advanced flowering by 4 days and
- Compacts the total flowering period compared to the untreated

## New Directions For Use

**Apply 3-5 weeks before expected budbreak at a rate of  
2L Armobreak + 20L Armogan per 100L water (800L-1300L water/ha)**

**Or using Du-Wett use the following rates**

**2.5L Armobreak per 100L water + 20L Armogan per 100L water +  
Du-Wett 25mL per 100L water (using 400L water per hectare)**