



CORASIL™ – THE CITRUS FRUIT SIZER

QUICKFACTS

FOR MORE INFORMATION OR A COPY OF THE CORASIL TECHNICAL GUIDE PLEASE CONTACT YOUR LOCAL NUFARM REPRESENTATIVE.

>> What is Corasil?

Corasil is a new plant growth regulator for citrus. When applied at the correct stage of fruit development for oranges and mandarins, Corasil can increase the proportion of larger and higher value fruit at harvest. Growers that apply Corasil have an opportunity to increase the profitability of their orchard.

>> How does Corasil work?

The active ingredient of Corasil, Dichlorprop-P, is an auxin based plant growth regulator. Auxins are plant hormones produced in plant meristematic tissue (growing points) and are responsible for increasing cell elongation. Auxins specifically increase the elasticity of the vesicles (storage cells within fruit), allowing for a greater accumulation of juice. Increasing individual cells within fruit results in an increase in the size of the locules (compartments within the fruit) that ultimately increases the size and value of the fruit.

>> When to apply

Corasil should be applied when the average fruit size equates to physiological fruit drop. The average size that indicates physiological fruit drop varies according to the species of citrus:

Mandarins: 8mm to 20mm

Oranges: 12mm to 30mm

Field trials have demonstrated that the earlier timing will ensure the best results for improving fruit size.

There is only a small window of opportunity for Corasil application, typically 7 to 14 days.



- As a general rule it is better to be early than late when applying Corasil
- Applications that are too late will not improve fruit size

>> Rate

Crop	Rate per 100L of Water
Mandarins	100 mL - 200 mL
Oranges	200 mL

>> Varieties

Mandarin Variety	Orange Variety
Fina Clementine	Washington Navel
Nules Clementine	Leng Navel
Imperial	Valencia
Murcott	-

>> A growers experience

The Polglase family were trial co-operators in the Nufarm Corasil Research and Development Project.

The results showed a marked shift in fruit packed out of the premium fruit counts.

Application details

Rate: 200mL/100L water;

Spray volume: 3,000L/ha;

Fruit size (at application): 20mm;

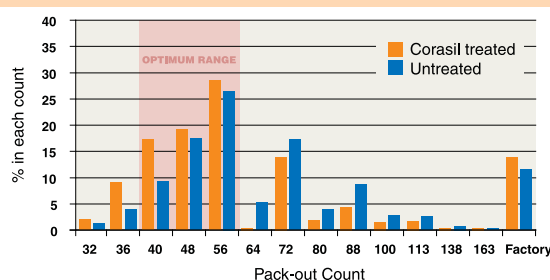
Application date: 23-11-2006;

Variety: Washington Navels on Sweet Orange or Trifoliata Rootstock;

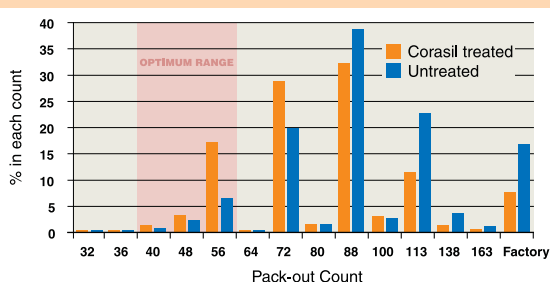
Tree age: 25 years.

Trials conducted in the Swan Hill district have shown that Corasil will improve fruit size under good orchard management. Results with young trees have also been satisfactory.

**TRIFOLIATA MFC RESULTS 2007:
% FRUIT PACKED BY COUNT – ALL MARKETS**



**SWEET ORANGE MFC RESULTS 2007:
% FRUIT PACKED BY COUNT – ALL MARKETS**



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