



PLANT GROWTH REGULATOR



Growth™

Canopy development, fruit quality, crop load and harvest management

Introduction

This information sheet is a guide to the use of the plant growth regulator Giberellic acid (GA3) in the product Growth™ to enhance extension growth in apple trees. Growth™ applied to the meristem (growing tip) of a branch promotes apical growth, giving a longer stronger period of shoot extension.

This may be used to revitalise stunted blocks that refuse to grow or increase growth rates of trees in developing blocks.

The use of Growth™ will not overcome limiting factors such as nutritional issues or poor plant health.

Growth™ – Shoot Extension

Growth™ will stimulate the growing tips of shoot initials to grow into longer more flexible branches.



Active Ingredients

Contains 40g/litre Giberellic acid (GA3) in the form of a soluble concentrate.

Crops

Cherries, citrus, apples and other crops

Packs

1L, 5L, 20L

GROWTH®

Application Timing:

Application may start at the initiation of shoot growth in late September, early October.

Later applications until hardening off will give results, but will be less effective. Repeat applications at 14-21 day intervals a maximum of 4 times will give best results. Adjust the number of applications to limit or increase the response.

Rates: 1 litre of Growth in 100L of water. Backpack sprayer 200ml of Growth in 20L water.

Surfactants: Growth needs to be absorbed by the growing point of the tree and although the product is formulated with built in surfactant the addition of 100ml/100L Spray Aid will assist. GA-3 products are well known to prefer an acidic spray mix so the addition of Lok It 50ml/100L is also beneficial.

Coverage: Has a localised effect. Good wetting will enhance result.

General Considerations

Application: Activity is enhanced by application during warmer weather (maximum 20°C or greater on the day of application and the day following), good coverage, good wetting water rates, best applied early in the day to allow slower drying and better absorption and spray solutions that are slightly acidic (target pH 4.5 - 5.5).

Varieties: Variety response will vary, some varieties are less responsive than others.

Other considerations: young tree development will be greatly limited by water availability, nutrition, poor root development, replant disease, insect or fungal disease. Ensure all aspects of tree health and nutrition are well maintained to obtain best results. Feathering will not occur unless trees are actively growing.

For more information on Growth contact your local Grochem Commercial Manager or visit grochem.com.



Warnings:

- May induce increased numbers of seedless fruit set when applied over flowering.
- May result in a more elongated fruit shape when applied during fruit development.
- Excess use may result in reduced return bloom in the season following application. Varieties sensitive to biannual bearing will respond more strongly. Increasing the number of applications will enhance this affect.

Always read the complete product label on the container before opening or using products.