

GROWTH FOR CITRUS

CONTAINS: 40G/L GIBBERELIC ACID IN THE FORM OF A SOLUBLE CONCENTRATE

INTRODUCTION

Growth™ is a naturally occurring plant growth regulator. It can be applied to Citrus to enhance rind strength and quality, delay fruit colour development and harvest, as well as inhibiting flower development in Satsuma Mandarins.

FOR BEST RESULTS

- ▶ Activity is enhanced when applied in slow drying conditions (early morning) followed by a daily maximum 20°C on the day of application and the day following.
- ▶ Growth™ has a localised effect. Well setup spray equipment is essential to achieve consistent results. Use hollow cone nozzles that produce fine droplets in a range of 100-250 microns. Ensure water volume is sufficient to provide complete coverage to point of run-off.
- ▶ Ensure good penetration of spray by skirting and pruning the inside of trees. Hand thinning of fruit may also be of benefit.
- ▶ Reapply if significant rainfall occurs within 2 hours of application.
- ▶ A non-ionic surfactant such as Spray Aid™ is recommended with all applications to enhance coverage, and most importantly extend absorption time.
- ▶ Growth™ performs best in slightly acidic solutions (target pH 4.5-5.5). Many of our orchard water supplies have pH levels between 6.5 & 7.5 with some as high as 8.5. Acidification will greatly enhance the effects of Growth™ in situations where pH is above 6.2.

- ▶ Where acidification is required, apply a non-ionic buffering agent such as Buff-it.

RESTRICTIONS

- ▶ Avoid product application within 4 weeks of any oil spray as the oil can restrict Gibberellin uptake
- ▶ Do not apply to plants under pest, nutritional or water stress.



| CITRUS | APPLICATION RATE PER 1000L OF WATER | DIRECTIONS |
|--|-------------------------------------|---|
| Navel and Valencia Oranges FOR REDUCTION IN CREASING | 10ppm or 250ml of Growth™ | Apply Growth™ when Navel/Valencia oranges are between 30 to 50 mm fruit size or golf-ball stage. |
| Mandarins, Lemons, Navel Oranges TO INCREASE RIND STRENGTH AND QUALITY, DELAY FRUIT COLOUR DEVELOPMENT AND HARVEST | 10ppm or 250ml of Growth™ | Apply during February or March when oranges turn from green to silver (colour-break). Unless a reduction in flowering is desired do not apply later than the end of March. |
| Lemons TO DELAY RIND AGEING | 10ppm or 250ml of Growth™ | Apply 4 to 6 weeks ahead of maturity of fruit. |
| Citrus INHIBIT FLOWERING IN SATSUMA MANDARINS | | Apply as a dilute spray in mid-June. Ensure complete coverage of flower buds. The use of a non-ionic surfactant may improve coverage and efficacy but may also increase fruit marking. Organosilicone surfactants are not recommended due to over thinning and phototoxicity. |
| | 50ppm or 1.25L of Growth™ | Prevent cropping on 1-2 year old trees. |
| | 25ppm or 625ml of Growth™ | Reduce flowering. Apply in season of light cropping; do not apply in season of heavy cropping. |

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