

ProGibb® – THE WORLD'S LEADING GIBBERELIC ACID



ProGibb is The World's Leading Gibberellic Acid

- ProGibb® trademark is used in 50 countries
- ProGibb is exempt from MRLs
- ProGibb is a naturally occurring compound with superior shelf life
- Formulation choice: 40% Soluble Granule and 10% Liquid
- ProGibb helps produce larger and more uniform fruit for specific markets
- Reduces thinning and labour costs
- ProGibb is produced to pharmaceutical standards providing peace of mind
- Organic certified for 100% Soluble Granule

CITRUS

Citrus treated with ProGibb maintains better rind quality. That helps citrus endure storage and shipping better so the fruit inside stays fresh longer. And that is precisely what the fruit buyers of the world want most.

To maximize product effectiveness and fruit quality, ensure good penetration of spray by skirting and pruning the inside of trees. Hand thinning of fruit may also be of benefit. Even trees with a history of little creasing may require treatment in "heavy crop" years or with age. ProGibb S.G., particularly at higher rates (20 ppm) can delay colouring by 1 to 2 weeks, early in the season.

Spray in the cool of the morning or after an irrigation in the afternoon. Avoid product application within 4 weeks of any oil spray as the oil restricts G.A. uptake. Typical water volumes are 5,000 L for small trees, 7,500 L for medium trees and 10,000 L for large trees. For creasing-reduction sprays to be effective, trees must be sprayed to runoff.

COMPATIBILITY ProGibb S.G. can be combined in the spray vat with 2,4-D as a cling spray.

DIRECTIONS FOR USE

Restraint: Use with a non-ionic wetter. NOTE: 10 mL product per 100 L = 10 ppm. DO NOT apply to plants under pest, nutritional or water stress.

CROP	RATE / 100 L		CRITICAL COMMENTS
	10% Liquid	40% S.G.	
CITRUS			Apply in a minimum volume of 5000 L/ha to ensure thorough coverage of fruit. DO NOT use where blemish is a problem. For optimum results adjust the spray tank solution to pH 4.0 to 4.5 (see mixing instructions).
Navel and Valencia Oranges	10 to 20 mL	2.5 to 5 g	For reduction in Creasing: Prior to applying ProGibb, remove all previous season Valencia oranges. Apply ProGibb when Navel/ Valencia oranges are between 30 to 50 mm fruit size or golf-ball stage (generally January to February). Rates lower than 20 ppm (20 mL of ProGibb Liquid or 5 g of ProGibb 40% S.G.) • Should be used when it is anticipated that fruit will be harvested for early markets • May be used on applications to late navel selections
Navel Oranges	10 mL	2.5 g	To delay rind ageing for late marketing (or those which will be stored for more than 2 weeks prior to sale) and reduce rind blemish and for longer storage life, apply when oranges turn from green to silver (colour-break). If fruit drop is a problem then apply a stop-drop sprays containing 2,4-D sodium salt. Use the 2,4-D at 10 ppm.
Mandarins	10 mL	2.5 g	To delay rind ageing for late marketing and reducing rind blemish apply at three-quarters to full colour. Spotting of fruit may occur when a ProGibb SG application is made to fruit during or followed by a period of cold weather (2-5°C), frosts or extensive rain. This period is likely to occur from late May to mid July. The spotting is transitory and usually disappears within 10 to 14 days, however may return if fruit is placed in cold storage.
Grapefruit	10 mL	2.5 g	To delay rind ageing, apply the spray when grapefruit turn from green to silver (colour-break) for grapefruit to be harvested up to mid-November; or apply the spray in mid-June for grapefruit to be harvested in December or January.
Lemon	10 mL	2.5 g	To delay rind ageing, apply 4 to 6 weeks ahead of maturity of fruit.



SUMITOMO CHEMICAL

GRAPES

The use of ProGibb in table grape production has become standard practice. ProGibb is the route to success in producing larger berries, bunches, looser clusters and uniform harvest with added firmness for shelf life. These results play a major role in market acceptance and higher profits.

Bunch Elongation (Stretch): ProGibb sprayed onto bunch stems when bunches are half to two-thirds of their final length (usually 10 to 15 cm), causes them to grow longer than normal and may prevent over-tightness of bunches. This application is usually applied 10 to 14 days before the first sign of bloom.

Thinning: If sprayed on flowers as they are beginning to open, ProGibb reduces the number of berries on the bunch, i.e. it has a thinning effect.

Berry Size: ProGibb increases berry size when applied after the commencement of flowering. The effect is greatest when applied at shatter.

Mixing: Prepare a concentrate solution in 1 to 5 L of water with sufficient product for the required vat volume and strength of spray, add solution to water in the spray vat and agitate. Citrus only: Ensure the spray mix is in the range of 4.0 to 6.0, however optimum results occur when the spray mix is in the pH range of 4.0 to 4.5. Use a portable pH meter or calibrated pH strips to determine the spray mix pH. Sample 2 or 3 times and average the reading. Adjust high pH's with a suitable acidifying solution and recheck the pH after 5 minutes agitation.

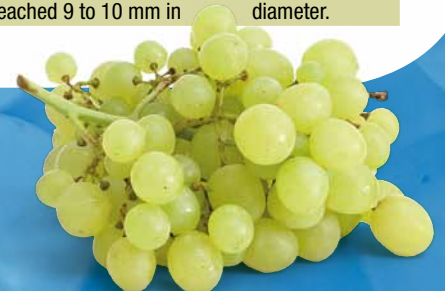
Wetting Agent: Add a maximum of 10 ppm of a non-ionic spreader. Citrus only: If using an adjuvant which includes a spreader, DO NOT add additional spreader.

Precautions: Use all solutions on the day of preparation.

DIRECTIONS FOR USE

Restraint: Use with a non-ionic wetter. **NOTE:** 10 mL product per 100 L = 10 ppm. DO NOT apply to plants under pest, nutritional or water stress.

CROP	RATE / 100 L		CRITICAL COMMENTS
	10% Liquid	40% S.G.	
Sultanas – fresh fruit			Prune according to vigour of the vine – avoid exceeding 8 canes (except in special circumstances). Commence thinning late October. Thin bunches to leave one bunch per shoot (the largest). DO NOT exceed 30 bunches per vine. Bunch trimming should be carried out before fruit set to reduce the incidence of tight bunches. For adequate coverage of table grapes apply product in a minimum volume of 2250 L/ha directed at the bunch area.
	10 mL	2.5 g	To achieve bunch elongation (stretch): Apply when bunches are half to two-thirds of their final length (when bunches are between 10 to 15 cm in length). This application is usually applied 10 to 14 days before the first sign of bloom.
	10 mL	2.5 g	To achieve thinning, two separate applications of 2.5 g within the same season are required: Apply first application of 2.5 g at 40% cap fall. Apply second application of 2.5 g at 80% cap fall (usually 2 to 3 days later).
	10 mL	2.5 g	
	30 mL	7.5 g	To achieve increase in berry size, two separate applications of 7.5 g within the same season are required: Apply first application of 7.5 g when smallest berry size is 4 mm and larger berries up to 6 mm (berry shatter may be incomplete at this size). Apply second application of 7.5 g 5 to 7 days later. Trim bunches within 2 weeks of shatter to leave 3 to 4 shoulder sprigs. All spray timing stages should be judged on the top part of the bunch, as the bottom is removed at trimming.
	30 mL	7.5 g	
Early Madeleine	20 mL	5 g	To achieve increase in berry size: Apply when berries reach 4 mm in diameter. Excessively vigorous vines should be cinctured 3 to 5 days before treatment with this product.
Perlette	12 mL	3 g	To achieve thinning: Apply at 70% capfall.
	20 mL	5 g	To achieve increase in berry size: Following the 3 g application for thinning, apply the 5 g application, when berries reach 4 to 5 mm in diameter. Trim bunches as required.
Flame Seedless	10 mL	2.5 g	To achieve thinning: Apply at 70% capfall.
	30 mL	7.5 g	To achieve increase in berry size, two separate applications of 7.5 g within the same season are required: Apply first application of 7.5 g when berries have reached 7 to 9 mm in diameter. Apply second application of 7.5 g when berries have reached 9 to 10 mm in diameter.
	30 mL	7.5 g	



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