

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

GIBB 100

Plant Growth Regulator



ACTIVE CONSTITUENT : 100 g/L GIBBERELLIC ACID

For Foliar Spray Application to Certain Varieties of Grapes, Citrus and Prunes to Promote Desirable Harvest Effects.

IMPORTANT : READ THE ATTACHED LEAFLET BEFORE USING

Contents: 1 Litre

RONIC International Pty Ltd
ABN 35 101 193 131
PO Box 360 Bacchus Marsh, VIC 3340
Telephone (03) 5274 2500 Fax : (03) 4206 7012
www.agshop.com.au

STORAGE AND DISPOSAL:

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Dispose of at a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS: Will irritate the eyes and skin. Avoid contact with the eyes and skin. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow length PVC gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID: If poisoning occurs, contact a doctor or Poisons Information Centre. *Phone 13 11 26.*

MATERIAL SAFETY DATA SHEET: Additional information is listed in the Material Safety Data Sheet.

LIMIT OF WARRANTY AND LIABILITY

RONIC International Pty. Ltd. ("RONIC") warrants that this material conforms to the chemical description on the label. As the use of product sold is beyond the control of RONIC, no responsibility whatsoever for any consequences is accepted in respect of this product, save those non-excludable conditions implied by any State and Federal legislation or law of a Territory. Not for re-packaging or reformulation. No licence under any patent is granted or implied by purchase of this container.

**IN AN EMERGENCY DIAL
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Police or Fire Brigade**

APVMA Approval Number : 60645/56051

Batch No.

D.O.M.

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DIRECTIONS FOR USE**Restraint:** Use with a non-ionic wetter.

CROP	RATE/100L	CRITICAL COMMENTS
CITRUS		Apply in a minimum volume of 5000L/ha to ensure thorough coverage of fruit. Do NOT use where blemish is a problem.
Naval Oranges	10mL + 10ppm 2,4-D sodium salt	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 stage (colourbreak).
Mandarins	10mL	To delay rind ageing for late marketing and reducing rind blemish apply at three-quarters to full colour.
Grapefruit		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.
Lemons		To delay rind ageing, apply 4 to 6 weeks ahead of maturity of fruit.
GRAPES		
Currants – dried fruit	1mL + 100ppm Chlormequat 780	To achieve berry thinning: Apply both chemicals together at 100% capfall. Ensure thorough coverage of bunches.
	100ppm Chlormequat 780 followed by 1mL GIBB 100	To achieve berry thinning: Split Application: (a) Apply Chlormequat 780, 7 days after bunch droop. (b) Apply GIBB 100 at 80-100% capfall.
	200ppm Chlormequat 780 followed by 1mL GIBB 100	Use the 200ppm rate of Chlormequat 780 on vigorous vines.
	300 ppm Chlormequat 780 followed by 1mL GIBB 100	Use the 300ppm rate of Chlormequat 780 on excessively vigorous Carina vines only. Ensure thorough coverage of bunches.
Sultanas – dried fruit	10mL	To achieve berry thinning: Apply when bloom or blossom is at 100% capfall stage (full flowering).
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.
	10mL	To achieve bunch elongation (stretch): Apply when bunches are half to two-thirds of their final length (when bunches are between 4-6 inches (10- 15cm) in length). This application is usually - applied 10- 14 days before the first sign of bloom.

CROP	RATE/100L	CRITICAL COMMENTS
Sultanas – fresh fruit	10mL	To achieve thinning, two separate applications of 10mL within the same season is required: Apply first application of 10mL at 40% cap fall.
	10mL	Apply second application of 10mL at 80% cap fall (usually 2-3 days later).
	30mL	To achieve increase in berry size, two separate applications of 30mL within the same season is required: Apply first application of 30mL when smallest berry size is 4mm and larger berries up to 6mm (berry shatter may be incomplete at this size).
	30mL	Apply second application of 30mL 5 to 7 days later. Trim bunches within two 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.
Early Madeleine	20mL	To achieve increase in berry size: Apply when berries reach 4mm in diameter. Excessively vigorous vines should be cinctured 3-5 days before treatment with this product.
Perlette	12mL	To achieve thinning: Apply at 70% capfall.
	20mL	To achieve increase in berry size: Following the 12mL application for thinning, apply the 20mL application, when berries reach 4-5mm in diameter. Trim bunches as required.
Flame Seedless	10mL	To achieve thinning: Apply at 70% capfall.
	30mL	To achieve increase in berry size, two separate applications of 30mL within the same season is required: Apply first application of 30mL when berries have reached 7-9mm diameter. Apply second application of 30mL when berries have reached 9-10mm diameter.
PRUNES	10mL	Apply 3 to 4 weeks before normal harvest date (when fruit shows approximately 14% soluble solids) to delay harvest 14 to 17 days. This delayed maturity will result in increased sugar content and thus a higher dry-out ratio.

NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL, UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS: Apply in water. Note: 10mL product per 100L = 10ppm.

FRUIT QUALITY

Bunch Elongation (Stretch): This product sprayed onto bunch stems when bunches are half to two-thirds of their final length (usually 4-6 inches [10-15cm]), causes them to grow longer than normal and may prevent over-tightness of bunches. This application is usually applied 10-14 days before the first sign of bloom.

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

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

MIXING: Add this product to spray vat and agitate. Add non-ionic wetter at label rates. Do NOT allow solution to stand for more than 24 hours.

Citrus only: Ensure the spray mix is in the range of 4.0 – 6.0, however optimum results occur when the spray mix is in the pH range of 4.0 – 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 100 ppm of a non-ionic spreader.

Citrus only: If using an adjuvant which includes a spreader, do not add additional spreader.

WA only:

This product may be applied in some uses with PCPA. The PCPA is recommended for the setting of currants (dried fruit) but should not be applied to Early Madeleine or sultana grapes. PCPA has been shown to reduce bud fruitfulness with these varieties.

CROP MANAGEMENT

Fresh Sultanas: Prune according to the vigour of the vine. Avoid exceeding 8 canes except in special circumstances. Commence thinning in 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 after fruit set to reduce the incidence of tight bunches.

Citrus: To maximise 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. GIBB 100, particularly at higher rates (20ppm) can delay colouring by 1-2 weeks, early in the season.

APPLICATION

Fresh Sultanas: Make sure vines are watered prior to application of this product. Apply in cool conditions or at night. Where this product is used for dried fruit production drive-past overall spraying is adequate. For fresh fruit production good results depend on the thorough wetting of bunches and spraying at the correct stage.

If the bunches are missed they will not react to gibberellic acid.

FOR RECOMMENDATIONS FOR OTHER GRAPE VARIETIES CONSULT YOUR LOCAL DEPARTMENT OF AGRICULTURE.

Citrus: 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 gibberellic acid 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: GIBB 100 can be combined in the spray vat with 2,4-D as a cling spray, as well as with products containing Chlormequat, certain insecticide, fungicide or nutritional sprays. Always carry out a small test mix to check compatibility before spraying larger areas. Always check the label instructions for all products used.

PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:

Do NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL:

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POLICE OR FIRE BRIGADE**