

CAUTION

**KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING**

GRO-SLOW

PLANT GROWTH REGULATOR

ACTIVE CONSTITUENT: 250 g/L Paclobutrazol

To reduce vegetative growth in mango, stonefruit and apple trees as specified in the Directions for Use table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT

Contents: 5L

APVMA Approval No: 63348/0908



Sipcam Pacific Australia Pty Limited
Level 1, 191 Malop Street
Geelong VIC 3220

®Registered trademark of Sipcam Pacific Australia Pty Ltd

GRO-SLOW

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. **DO NOT** store for prolonged periods in direct sunlight. Triple-rinse containers before disposal. Add rinsings to spray tank. **DO NOT** dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. **DO NOT** burn empty containers or product.

SAFETY DIRECTIONS

Avoid contact with eyes and skin. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126.

SAFETY DATA SHEET

For further information, refer to the Safety Data Sheet (SDS) which is available from the supplier or from our web site, www.sipcam.com.au.

NOTICE TO BUYERS

This product must be used in accordance with the directions for use. Where this product is not a good of a kind ordinarily acquired for personal, domestic or household use or consumption under the Australian Consumer Law, Sipcam Pacific Australia Pty Ltd's liability for any direct, indirect or consequential loss which you incur, including, without limitation, loss or damage to crop, loss of equipment, property damage, personal injury or death is limited, at Sipcam's option, to the replacement of the product or the supply of an equivalent product. By opening this package, you agree to be bound by these terms. If you do not agree to these terms, please return the entire unopened package intact to Sipcam or the place in which you purchased this product for a full refund.



Batch No:

Date of Manufacture:

In case of emergency phone
1800 033 111 Australia wide – 24 hours

G.H.S. STATEMENTS

Hazard: H319 Causes serious eye irritation. H361 Suspected of damaging fertility or the unborn child.

Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P264 Wash hands thoroughly after handling. P280 Wear eye protection. P281 Use personal protective equipment as required.

Response: P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P308+P313 IF exposed or concerned: Get medical advice/attention.

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**IMPORTANT: THIS LEAFLET IS PART OF THE LABEL. READ THOROUGHLY
BEFORE OPENING OR USING**

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DIRECTIONS FOR USE

Restraints

DO NOT use on trees of low vigour or under stress (see General Instructions).

DO NOT use in orchards under-planted with any other crops.

DO NOT apply to young trees which have recently been inter-planted in orchards and which are required to make vigorous growth.

DO NOT apply by aircraft.

CROP & SITUATION	STATE	APPLICATION METHOD	RATE	CRITICAL COMMENTS
Mango	Old, NSW, WA, NT only	Collar drench Trees 3-6 yrs old: Light sands Clay, red volcanics Trees over 6 yrs old: Light sands Clays, red volcanics	Per Tree: 8 to 12ml 12 to 16ml Per Tree: 16 to 20 ml 20 ml	Apply within 4 weeks after harvest or no later than mid February. Adjust rate within range according to tree age. Use high rate for older trees. Ensure trees are well watered before and after application. CAUTION: DO NOT treat young trees with a canopy of less than 3 m diameter. CAUTION: Excessive compaction of flower panicles may result from application at times later than recommended, or from delayed uptake caused by dry soil conditions. Care should be taken to ensure correct insecticide application to control Webworm in compact flower panicles. RE-TREATMENT: The effects of GRO-SLOW on flowering and growth may persist for more than one season. Sandy Soils: Postpone re-treatment until after the harvest following resumption of normal growth. Use the interval between the first treatment and resumption of normal growth as a guide to re-treatment frequency in subsequent years. Clays and Red Volcanic Soils: Retreat each season. If reduction of growth increases progressively from season to season postpone treatment until after the harvest following the resumption of normal growth.
Apples (Red Delicious & Granny Smith)	All States	Spray	Dilute Spraying: 50 mL to 100 mL/100 L. Add 18mL Wetspray® 600 per 100 L water in final spray volume Concentrate Spraying: Refer to the Mixing/ Application Section.	Apply by dilute spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. Apply in a sequential spray programme commencing 28 days after full bloom on Red Delicious or 35 days after full bloom on Granny Smith. Use lower rate on less vigorous trees. Apply subsequent sprays at the lower rate at intervals of 21 days for as long as growth control is required. Activity results from uptake of chemical by young green stem tissue. DO NOT apply more than 4 L/ha per season. CAUTION: If using CARBARYL as a chemical thinning agent, plan to allow 21 days between application of carbaryl and GRO-SLOW.

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Peaches Nectarines	All States	Trickle Irrigation	2 L/ha	Apply in early Autumn, or in Spring between 14 days prior to bud burst and full bloom. Late Summer or early Autumn application is recommended for early maturing cultivars. Divide rate per ha by the number of trees per ha to determine the rate per tree. Use high rate on medium and heavy soil types. RE-TREATMENT: Retreat trees with 2 L/ha (Trickle) or with 2 or 3 L/ha (Collar drench) in subsequent season. Rates of application for re-treatment may be reduced if a lesser degree of growth control is desired. On light soils, retreat when normal growth resumes. Use the low rate for re-treatment of low vigorous varieties in cool districts.
		Collar Drench	2 to 4 L/ha	
Apricots Plums	All States	Trickle Irrigation	2 L/ha	Apply in early Autumn, or in Spring between 14 days prior to bud burst and full bloom. Bloom dates may be advanced. In plums, ensure that pollinator trees are treated at the same time to synchronise flowering. Divide rate per ha by the number of trees per ha to determine the rate per tree. Use high rate on medium and heavy soil types. RE-TREATMENT: DO NOT retreat until the season in which normal growth resumes.
		Collar Drench	2 to 4 L/ha	
Cherries	All States	Trickle Irrigation	1 L/ha	Apply in early Autumn, or in Spring between 14 days prior to bud burst and full bloom. Use high rate on medium and heavy soil types. Bloom dates may be advanced. Ensure that pollinator trees are treated at the same time to synchronise flowering. Divide rate per ha by the number of trees per ha to determine the rate per tree. Use high rate on medium and heavy soil types. RE-TREATMENT: DO NOT retreat until the season in which normal growth resumes.
		Collar Drench	1 to 2 L/ha	

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

WITHHOLDING PERIOD: APPLES: DO NOT APPLY LATER THAN 21 DAYS BEFORE HARVEST

GENERAL INSTRUCTIONS

GRO-SLOW is a systemic growth regulator that reduces internode lengths of new shoots and causes earlier formation of terminal buds. Use of GRO- SLOW should begin only when trees are nearing their optimum size. It is most suited to intensively managed orchards where trees are near to filling their allocated space and growth control is a prime requirement. It is not suitable for old or unhealthy trees. If a tree is under stress, GRO-SLOW should NOT be used. Stress can be caused by: moisture shortage due to lack of rain, or inadequate irrigation, high temperature, salinity, moisture excess due to high water table, flooding or inappropriate irrigation, severe or successive frosts, poor fertility caused by imbalance of major or minor nutrients, diseases, insects, inappropriate herbicide use, mechanical damage.

Tree management: Treated trees may produce heavier crops and require a higher level of fertilizer application. Ensure that treated trees are not over-watered or subjected to drought stress. In some instances, treated trees may set excess fruit and careful attention should be given to thinning operations. When replanting a treated orchard, at least three years should elapse since the last application of GRO-SLOW. In orchards which have been treated with collar drenches of GRO- SLOW, fresh soil should be provided to allow tree establishment and growth. Remove treated soil. An alternative is to avoid original tree holes, and place young trees as far as practicable from the treated soil (minimum 1.5 m). Where young trees are required to be planted in an established orchard which has been treated with collar drenches of GRO-SLOW, remove treated soil and replace with fresh soil.

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MIXING

Foliar sprays: Half-fill tank with clean water, add the required quantity of GRO-SLOW and Wetspray 600 and agitate during the completion of filling. Frequent or constant agitation of the spray mixture is recommended. Wash out spray tank thoroughly after use.

Collar drench: Mix required quantity of GRO-SLOW with recommended volume of water. Periodic agitation may be necessary to prevent settling.

APPLICATION

Dilute Spraying (Apples)

Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice. Add the amount of product specified in the Directions For Use table for each 100 L of water. Spray to the point of run-off. The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.

Concentrate Spraying (Apples)

Use a sprayer designed and set up for the concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate. The mixing rate for concentrate spraying can then be calculated in the following way:

EXAMPLE ONLY

1. Dilute spray volume as determined above: For example 1500 L/ha.
2. Your chosen concentrate spray volume: For example 500 L/ha.
3. The concentration factor in this example is: 3x (ie $1500 \text{ L} \div 500 \text{ L} = 3$).
4. If the dilute label rate is 10 mL/100 L, then the concentrate rate becomes 3 x 10, that is 30 mL/100 L of concentrate spraying.

The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows. For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

Collar drench: Uptake of GRO-SLOW is most efficient when it is applied to soil which receives adequate water and where there is a high density of feeder roots. Apply required amount of GRO-SLOW in 0.5 to 2 litres of water per tree onto the soil/trunk crack line evenly around the base of the trunk. Where specific rates per tree are not given, the application rate per tree is determined by dividing the application rate per ha by the number of trees per ha. The volume of diluted drench required for even application without runoff will vary with the size of the tree and with soil type and moisture content. Use the higher volume on large trees. Ensure that trees are adequately irrigated following treatment under dry conditions. Individual trees which are smaller than average should be left untreated or given a proportionally smaller dose of GRO-SLOW.

Trickle point: Apply in 200 to 300 mL water per tree beneath each trickle or dripper point. Follow application with a short period of irrigation. Alternatively, the required amount of GRO-SLOW can be applied through the trickle irrigation system. Equal distribution of water between trees is essential for this method to give a uniform effect.

RE- TREATMENT

In some cases, control of growth may persist for more than one year. Retreat trees when normal growth resumes. Use the interval between the first treatment and resumption of normal growth as a guide for re-treatment in subsequent seasons.

COMPATIBILITY

GRO-SLOW is compatible with any one of the following products: Nimrod*, Omite*, Aphidex* or

GRO-SLOW

mancozeb. However, mixing GRO-SLOW with more than any one of these products may give unpredictable results or may result in crop damage. If carbaryl is used as a thinning spray on apples, allow 21 days before application of GRO-SLOW.

PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. **DO NOT** store for prolonged periods in direct sunlight. Triple-rinse containers before disposal. Add rinsings to spray tank. **DO NOT** dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. **DO NOT** burn empty containers or product.

SAFETY DIRECTIONS

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FIRST AID

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