

ProGibb[®] SG

PLANT GROWTH REGULATOR

SOLUBLE GRANULE

A foliar spray that stimulates production of dry matter under rotational grazing when cool soil temperatures limit natural pasture growth rates; to increase cherry firmness and quality and to provide inhibition of flowering of Satsuma mandarins.

Active ingredient: 400 g/kg gibberellic acid in the form of a water soluble granule.

Registered to:



L55820511
©2011

Net Contents: 250g

®Registered trademark of Valent BioSciences Corporation, U.S.A.



Nufarm

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Marketed by:

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Registered pursuant to the ACVM
Act 1997 No. P7740

See <http://www.nzfsa.govt.nz/acvm/>
for registration conditions

Not classified as hazardous
pursuant to the HSNO Act 1996.

List No. 60218-43-01

04-6846/R3

OPEN
HERE

Date of
Manufacture:
Batch No.:

This product must not be used for any purpose or in any manner, contrary to this label unless authorized under appropriate legislation.

HANDLING PRECAUTIONS

STORAGE

- Keep out of reach of children.
- Store in original container tightly closed and in a locked, dry cool area away from foodstuffs.

PERSONAL PROTECTION

- Avoid contact with skin and eyes.

EQUIPMENT

- Apply using accurately calibrated and well-maintained equipment.

DISPOSAL

- Triple rinse empty container and add rinsate to the spray tank. Recycle empty container, otherwise crush and bury in a suitable landfill.
- Dispose of product only by using according to the label, or at an approved landfill.

FIRST AID: If swallowed do not induce vomiting.

If splashed in eyes, wash out immediately with water.

For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.

Spillage: Wear appropriate protective clothing. Sweep up solids without creating dust. Absorb liquid spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

Shelf Life: When stored appropriately, this product should show no significant degradation for 3 years from the date of manufacture. Contact your supplier for further information about the use of any product older than this.

GENERAL INFORMATION

The gibberellins contained in ProGibb SG consist of naturally occurring plant growth regulators. For optimum results apply under slow drying conditions which favour absorption, and ensure all parts of the pasture, tree or crop are covered. Water pH should be slightly acidic to neutral, and always below pH 8.5.

Do not apply ProGibb SG to plants under stress. Reapply ProGibb SG if significant rainfall occurs within 2 hours of spraying.

DIRECTIONS FOR USE:

CROP MANAGEMENT

Cherries

To increase cherry firmness and quality apply approximately three weeks prior to expected harvest date, when the cherries are straw coloured. Apply 2.5 g per 100 litres of water plus non-ionic surfactant at label rates. Use high water rates to obtain thorough coverage of the crop (1,500 to 2,000 litres/ha) in high volume sprays. Apply to trees during cool conditions or in the evening. Do not apply to trees under water stress.

Citrus

To inhibit flowering of Satsuma mandarins.

Apply a dilute spray of ProGibb SG in mid-June. Ensure complete wetting of the buds at the base of each leaf. The use of a non-ionic surfactant will improve coverage and efficacy but may increase the risk of fruit marking and downgrading where fruit is still present on the trees. Organosilicone surfactants are not recommended as these can cause overthinning and phytotoxicity.

- To prevent cropping on young trees (1-2 years old) apply 12.5 g per 100 litres of water in 1,000 litres water/ha, plus non-ionic surfactant at label rates.
- To reduce flowering and subsequent hand thinning on cropping trees (3 years and over), apply 6.25 g per 100 litres of water in 2,000 to 3,000 litres water/ha, plus non-ionic surfactant at label rates. Commence with ProGibb SG in a season of light crop. Do not treat trees in a heavy crop year.

To improve rind strength and quality but delay fruit colour and harvest date of mandarins, lemons and navel oranges.

Apply 2.5 g per 100 litres of water in 2,000 to 3,000 litres water/ha during February or March. Unless a reduction in flowering is desired, do not apply later than the end of March.

GRAZING MANAGEMENT Pastures

When applied correctly, ProGibb SG will rapidly increase pasture growth over a 3 to 4 week period. ProGibb SG is particularly suited from autumn to spring when pasture growth is insufficient to meet feed demand. The level of response to ProGibb SG applications generally increases as soil temperatures rise in spring and decreases as soil temperatures fall in autumn/early winter.

The use of ProGibb SG is ideally suited to rotationally grazed pastures. ProGibb SG should be applied to pastures within 5 days following grazing. There must be some green leaf present for uptake. Growth stimulation is usually seen within 7 days of application and ceases around 3 to 4 weeks after application. Ideally perennial pastures should be grazed 3 to 4 weeks after application to ensure that the extra production is utilised. Earlier grazing will result in less dry matter production. However, if pasture is likely to become rank, stock may be reintroduced sooner.

Annual ryegrass responds more rapidly and may require grazing 2-3 weeks after treatment to maximise the benefit.

Applications made more than 5 days after grazing will likely result in a lower growth response. Do not apply ProGibb SG to ungrazed pasture or to paddocks containing livestock. The response to ProGibb SG on rank pastures will be minimal and they should be grazed prior to application.

For maximising growth response with ProGibb SG on set-stocked pastures, remove stock prior to application and keep off for approximately 3 to 4 weeks.

Clovers and weeds also respond to ProGibb SG application.

ProGibb SG application to pastures containing high populations of weeds that may cause milk taint should be avoided.

Pasture grass may appear more yellowish after ProGibb SG applications due to growth stimulation, but this does not affect pasture quality and is transient if fertility levels are sufficient to support pasture development.

CROP	USE	RATE	CRITICAL COMMENTS
PASTURE	To stimulate dry matter production under rotational grazing when cool soil temperatures limit natural pasture growth rates.	20 g/ha plus non-ionic surfactant at label rates	<p>Pastures should be well established (4-6 months old and fully tillered) prior to a ProGibb SG application (e.g., autumn sown pasture can be treated the following spring).</p> <p>Apply to ryegrass based pastures within 5 days after grazing.</p> <p>Apply in 100-200 L water/ha.</p> <p>One or more applications can be made in all pasture grazing systems from autumn to spring.</p> <p>Moisture levels and fertility must be adequate for grass growth prior to application.</p> <p>A repeat application, applied as an adjunct to a rotational grazing strategy, may be applied three to four weeks after the first application. Where consecutive applications are applied to the same paddock fertility, particularly nitrogen, must be maintained at adequate levels to sustain the extra production and to realise the full benefit of ProGibb SG.</p> <p>ProGibb SG is not a substitute for adequate fertilizer.</p> <p>ProGibb SG should normally be applied alone. Contact your Nufarm representative for further advice.</p> <p>Do not exceed 6 applications/hectare/year.</p> <p>Do not apply ProGibb SG to pastures containing toxic weeds (e.g., ragwort or hemlock) as these are likely to become more palatable and may be grazed more readily.</p>

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CROP	USE	RATE	CRITICAL COMMENTS
CHERRIES	Increase cherry firmness and quality	2.5g/100L plus non-ionic surfactant at label rates	Apply approximately three weeks prior to expected harvest date, when the cherries are straw coloured. Use high water rates to obtain thorough coverage of the crop (1,500 to 2,000 L/ha) in high volume sprays. Apply during cool conditions or in the evening. Do NOT apply to trees under water stress.
CITRUS	Inhibition of flowering of Satsuma mandarins (a) to prevent cropping on young trees (1 to 2 years old) (b) to reduce flowering and subsequent hand thinning on cropping trees (3 years and over)	12.5 g/100L plus non-ionic surfactant at label rates 6.25 g/100L in 2,000 to 3,000 L water/ha plus non-ionic surfactant at label rates.	Apply as a dilute spray in mid-June. Ensure complete wetting of the buds at the base of each leaf. The use of a non-ionic surfactant will improve coverage and efficacy but may increase the risk of fruit marking and downgrading where fruit is still present on the trees. Do NOT use organosilicone surfactants as these can cause overthinning and phytotoxicity. Commence with ProGibb SG in a season of light crop. Do not treat trees in a heavy crop year.
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CROP	USE	RATE	CRITICAL COMMENTS
CITRUS (continued)	To improve rind strength and quality but delay fruit colour and harvest date of mandarins, lemons and navel oranges	2.5 g/100L in 2,000 to 3,000 L water/ha	Apply during February or March. Unless a reduction in flowering is desired, do not apply later than the end of March.
Other Uses			ProGibb SG is known to be effective in many other applications. At rates from 2.5g to 25g/100L it has resulted in stem elongation, breaking of seed dormancy, earlier flowering and setting of fruit under adverse weather conditions, when applied to a wide range of annual and perennial crops and ornamental plants, (e.g., Seedless grapes and Zantedeschia lilies).

MIXING

Fill tank to half the required volume, turn on agitation and add the measured amount of ProGibb SG. Continue to agitate while completing filling. If using a non-ionic surfactant, add this last.

Precautions

Use all solutions on the day of preparation.

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CONDITIONS OF SALE

CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER

If you open this container you will be deemed to have accepted the conditions below.

The results from use of this product may be affected by factors beyond Nufarm's control, including mixing, use, climatic conditions, time of application, crop or crop stage, even though the product is reasonably fit for the purposes stated in this label, and even though label directions are followed. Nufarm will replace, free of charge, any product which is found to have a manufacturing defect. To the extent permitted by law, all other warranties, guarantees, representations and conditions, whether expressed or implied by law, trade, custom or otherwise are expressly excluded.

When you use this product, you agree that neither Nufarm Limited nor any manufacturer of any component of the product will be liable for any damage, injury or loss including consequential loss which arises in any way from the storage, handling, or use of the product. This exclusion of liability includes loss caused by negligent acts or omissions of Nufarm Limited or any supplier or manufacturer of the product or any of their employees and agents.



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