

Product Name: GENFARM REPAY 250 PLANT GROWTH REGULATOR
APVMA Approval No: 68623/147169

Label Name:	GENFARM REPAY 250 PLANT GROWTH REGULATOR
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Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENT: 250 g/L PACLOBUTRAZOL
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Mode of Action:	
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Statement of Claims:	To reduce vegetative growth in mango, stone fruit, avocado and apple trees as per directions for use.
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Net Contents:	1 L - 20 L
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Restraints:	<p>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.</p> <p>SPRAY DRIFT RESTRAINTS Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift DO NOT allow bystanders to come into contact with the spray cloud. DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities outside the application site from spray drift. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas. DO NOT apply unless wind speed is between 3 kilometres 20 kilometres per hour at the application site during the time of application.</p>
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	DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings 1 to 2 hours before sunset and persist until 1 to 2 hours after sunrise.
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	<p>WITHHOLDING PERIOD</p> <p>Apples - DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION</p> <p>Avocados - DO NOT HARVEST FOR 3 MONTHS AFTER APPLICATION</p> <p>All other crops – NOT REQUIRED WHEN USED AS DIRECTED</p>
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Trade Advice:	
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General Instructions:	<p>GENERAL INSTRUCTIONS</p> <p>GENFARM REPAY 250 PLANT GROWTH REGULATOR is a systemic growth regulator that reduces internode lengths of new shoots and causes earlier formation of terminal buds. Use of GENFARM REPAY 250 PLANT GROWTH REGULATOR 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 GENFARM REPAY 250 PLANT GROWTH REGULATOR should NOT be used.</p> <p>Stress can be caused by:</p> <ul style="list-style-type: none"> • moisture shortage due to lack of rain, or inadequate irrigation • high temperature • salinity • moisture excess due to 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. <p>TREE MANAGEMENT</p> <p>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.</p> <p>When replanting a treated orchard, at least 3 years should elapse since the last application for GENFARM REPAY 250 PLANT GROWTH REGULATOR. In orchards, which have been treated with collar drenches of GENFARM REPAY 250 PLANT GROWTH REGULATOR, 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 GENFARM REPAY 250 PLANT GROWTH REGULATOR remove treated soil and replace with fresh soil.</p>
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MIXING

Foliar Sprays: To a clean bucket of water add the required amount GENFARM REPAY 250 PLANT GROWTH REGULATOR and stir to make a smooth mix. Add slurry to half filled spray tank of clean water. Add the required amount of non-ionic wetter (1000g/L) and agitate during the completion of filling. Frequent or constant agitation of the spray mixture is recommended. Wash out spray tank after use.

Collar drench: Mix required volume of GENFARM REPAY 250 PLANT GROWTH REGULATOR with recommended volume of water. Periodic agitation may be necessary to prevent settling.

APPLICATION

Foliar Sprays:

Apply in a sufficient volume of water to ensure penetration of the spray and good coverage of target tissue, new green stem tissue in the case of apples.

Apply in minimum volume of 1000 L of water per ha. Nonionic wetter (1000 g/L) at 18 mL/100L of water must be added to the final spray volume. It is not normally necessary to reapply the spray if rain follows soon after application.

Collar Drench:

Uptake of GENFARM REPAY 250 PLANT GROWTH REGULATOR 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 GENFARM REPAY 250 PLANT GROWTH REGULATOR in 0.5 to 2L of water per tree on to 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 GENFARM REPAY 250 PLANT GROWTH REGULATOR.

Trickle Point:

Apply in 200-300 mL water per tree beneath each trickle or dripper point or through the trickle irrigation system. Follow application with a short period of irrigation. Alternatively, the required amount of GENFARM REPAY 250 PLANT GROWTH REGULATOR can be applied through the trickle irrigation system. Equal distribution of water between trees is essential for this method to give a uniform effect.

RETREATMENT

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 the resumption of normal growth as a guide for retreatment in subsequent seasons.

Rate of use and spray timing:

Response to treatment with Genfarm Paclobutrazol 250 can vary depending on variety, stage of growth and local environmental conditions. Growers are therefore advised to use Genfarm Paclobutrazol 250 in small scale tests at the recommended rates before extensive use. Rates may need to be increased or reduced according to local conditions.

COMPATIBILITY

Mixing Genfarm Paclobutrazol 250 with more than one miticide, aphicide or fungicide 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 Genfarm Paclobutrazol 250. DO NOT use this product with other Chemicals for use on ornamental plants.

Precautions:	
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Protections:	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>DO NOT contaminate streams, rivers or watercourses with the chemical or used container</p>
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Storage and Disposal:	<p>Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight.</p> <p>This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple rinse containers before disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemical on site. Wash outside of the container and the cap.</p> <p>Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection point or similar container management program site. The cap should not be replaced but may be taken separately.</p> <p>If not recycling, break, crush, or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm 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.</p>
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Safety Directions:	<p>Avoid contact with eyes and skin. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.</p>
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First Aid Instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.</p>
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First Aid Warnings:	
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DIRECTIONS FOR USE

Crop & Situation	State	Application Method	Rate	Critical Comments
Apples – Red Delicious & Granny Smith	All States	Foliar Spray	500mL or 1 L/ha Add 18 mL of 600 g/L surfactant per 100 L water in final spray volume	Apply in a sequential spray program 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 GENFARM REPAY 250 PLANT GROWTH REGULATOR.
Apricots Plums	All States	Trickle Irrigation Collar Drench	2 L/ha 2 – 4 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. RETREATMENT: DO NOT retreat until the season in which normal growth resumes.
Avocado	All States	Foliar Spray	Growth control 7 L/1000 L Fruit drop control 5 L/ 1000 L	Timing Growth control: For the control of vigorous growth, application is best done when in full flower. Fruit drop control: To assist fruit retention, application is best at fruit set. DO NOT apply when mature fruit are on tree.
Cherries	All States	Trickle Irrigation Collar Drench	1 L/ha 1 – 2 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. RETREATMENT: DO NOT retreat until the season in which normal growth resumes.

Crop & Situation	State	Application Method	Rate	Critical Comments
Mango	Qld, NT & NSW only	Collar, Drench: <u>Trees 3- 6yrs old:</u> Light sands Clay, Red Volcanics <u>Trees over 6 yrs:</u> Light Sands, Clay, Red Volcanics	Per Tree: 8 – 12 mL 12 – 16 mL 16 – 20 mL 20 mL	<p>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.</p> <p>CAUTION: DO NOT treat young trees with a canopy of less than 3 m diameter.</p> <p>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.</p> <p>RETREATMENT: The effects of GENFARM REPAY 250 PLANT GROWTH REGULATOR on flowering and growth may persist for more than one season.</p> <p>Sandy Soils: Postpone retreatment 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 retreatment frequency in subsequent years.</p> <p>Clays & 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.</p>
Peaches Nectarines	All States	Trickle Irrigation Collar Drench	2 L/ha 2 – 4 L/ha	<p>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.</p> <p>RETREATMENT: Retreat trees with 2 L/ha (trickle) or with 2 – 3 L/ha (collar drench) in subsequent season. Rates of application for retreatment 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 retreatment of low vigorous varieties in cool districts.</p>

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