

Product Name: EuroChem PERSEA 250 Plant Growth Regulator
APVMA Approval No: 91624/144271



Label Name:	EuroChem PERSEA 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:	250 g/L PACLOBUTRAZOL
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Mode of Action:	
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Statement of Claims:	To reduce vegetative growth in avocado and mango trees
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Net Contents:	1 L - 200 L
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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. 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 the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application. 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.
Other Limitations:	
Withholding Periods:	AVOCADO : DO NOT HARVEST FOR 3 MONTHS AFTER APPLICATION MANGO : NOT REQUIRED WHEN USED AS DIRECTED.
Trade Advice:	
General Instructions:	This section contains file attachment.
Resistance Warning:	
Precautions:	
Protections:	PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.
Storage and Disposal:	STORAGE AND DISPOSAL Store in the closed, original container in a cool, well-ventilated place. 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 the eyes and skin. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water
First Aid Instructions:	If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone Australia 13 11 26.
First Aid Warnings:	

Directions for use:

Crop & Situation	State	Application Method	<i>Rate</i>	Critical Comments
Avocado	All States	Foliar Spray	Growth Control: 7L /1000L Fruit Drop Control: 5L/1000L	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 the tree.
<i>Mango</i>	Qld, NT & NSW only	Collar, Drench : <u>Trees 3-6 yrs old :</u> Light sands, Clay, Red Volcanics <u>Trees over 6 yrs old:</u> Light Sands, Clay, Red Volcanics	Per Tree : 8 to 12mL 12 to 16mL 16 to 20mL 20mL	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 3m 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. RETREATMENT : The effects of PERSEA 250 on flowering and growth may persist for more then one season. 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. 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.

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

GENERAL INSTRUCTIONS :

EuroChem PERSEA 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 **PERSEA 250** 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, **PERSEA 250** 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 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 3 years should elapse since the last application for **PERSEA 250**.

In orchards which have been treated with collar drenches of **PERSEA 250**, 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 1.5m). Where young trees are required to be planted in an established orchard which has been treated with collar drenches of **PERSEA 250**, remove treated soil and replace with fresh soil.

MIXING

Foliar Sprays : To a clean bucket of water, add the required amount of **PERSEA 250** and stir to make a smooth mix. Add slurry to half filled spray tank of clean water, add the required quantity of a 600g/L Wetting Agent or Agral™ 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 quantity of **PERSEA 250** 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. Apply in minimum volume of 1000L of water per ha. A 600g/L Wetting Agent or Agral™ at 18mL/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 **PERSEA 250** 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 **PERSEA 250** 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 **PERSEA 250**.

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.

COMPATABILITY

Mixing **PERSEA 250** with more than one product may give unpredictable results or may result in crop damage.