



syngenta

A systemic plant growth regulator as a suspension concentrate for vegetative growth control in fruit trees as indicated.

PLANT GROWTH REGULATOR 3

Active Ingredient:  
paclobutrazol (triazole)..... 250 g/l

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WARNING

Reg. No. L3693 Act No. 36 of 1947

**Hazard statements:** Harmful if inhaled. Suspected of damaging the unborn child. Very toxic to aquatic life with long-lasting effects.

**Precautionary statements:** **Prevention:** Obtain special instructions before use. Avoid breathing mist or vapours. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

**Response:** If inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell. If exposed or concerned, get medical advice/attention. Collect spillage.

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UN 3028

Registration holder  
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## 1. WARNINGS:

**Hazard statements:** Harmful if inhaled. Suspected of damaging the unborn child. Very toxic to aquatic life with long-lasting effects.

- Handle with care.
- Store away from food and feed.
- Keep out of reach of children, uninformed persons and animals.
- Store in a cool place.
- **In case of poisoning:** Contact a doctor and present this label.
- **Re-entry:** Do not enter treated area within one (1) day after application unless wearing protective clothing.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the weed against the remedy concerned, as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation and the environment, or harm to people or animals or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions, that could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

## 2. PRECAUTIONS:

**Precautionary statements:** Obtain special instructions before use. Avoid breathing mist or vapours. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. **Response:** If inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell. If exposed or concerned, get medical advice/attention. Collect spillage.

- Do not eat, drink, or smoke while handling this product.
- Prevent contamination of food, feed, drinking water and eating utensils.

- Wear rubber gloves and a face shield when handling the concentrate. If you get it in your eyes, flush it out at once. If you get it on your skin, wash it off at once. If you spill it on your clothes, change and wash them.
- Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three (3) times with a volume of water equal to a minimum of 10% of that of the container.
- Add the rinsate to the contents of the spray tank before destroying the container in the prescribed manner.
- While spraying, avoid contact with the spray as much as you can.
- Avoid spray drift onto other crops, grazing, rivers, or dams.
- Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams. Do not discard near growing plants as their growth may be restricted by the product.
- Destroy empty container in the prescribed manner and do not use for any other purpose.
- Change and wash your work clothes. Wash yourself.

**Symptoms of human poisoning:** There are no specific symptoms of poisoning.

## First Aid and Medical Treatment

- **Ingestion:** Do not induce vomiting unless a potentially lethal dose has been consumed. Immediately take patient to hospital. Remove contaminated clothing and wash any affected parts of the body with soap and water.
- **Eye contact:** Flush with clean water for 10 - 15 minutes and cover with a sterilised pad.

**Note to doctor:** Treatment should be symptomatic and supportive.

## 3. RELEVANT SUBSTANCES:

Chemical name	
paclobutrazol (ISO)	
Classification	Concentration (% w/w)
Acute Tox. 4; H302	≥ 20 - < 25

paclobutrazol (ISO) cont.	
Classification	Concentration (% w/w)
Acute Tox. 4; H332 Eye Irrit. 2; H319 Repr. 2; H361d Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	≥ 20 - < 25
Chemical name	
methanol	
Classification	Concentration (% w/w)
Flam. Liq. 2; H225 Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 STOT SE 1; H370	≥ 0,1 - < 1

#### 4. DIRECTIONS FOR USE: Use only as indicated.

##### 4.1 General

- Do not apply to trees under stress.
- The use of **CULTAR** may lead to an increase in yield in certain crops. At this higher level of production the crops may require a higher level of fertilisation.
- The use of **CULTAR** in tree crops may intensify the symptoms of trace element deficiencies.
- Wait at least six (6) months before treating newly planted orchards.
- Do not use **CULTAR** as a soil drench for the last three (3) years before grubbing an orchard in order to avoid growth retardation in crops subsequently planted.

##### 4.2 Macadamia Trees

- Apply to healthy trees only.
- Apply **CULTAR** as a **soil drench** around the base of each tree trunk after removal of all organic material from the application area.
- Rain or irrigation is needed after treatment to obtain the required effects.

##### 4.3 Mango Trees

- Apply to healthy trees only.
- The use of **CULTAR** in mango trees may lead to earlier flowering and an increased number of panicles.
- Apply **CULTAR** as a **soil drench** around the base of each tree trunk after removal of all organic material from the application area.
- Rain or irrigation is needed after treatment to obtain the required effects.
- Rates depend on tree vigor. The following cultivars are considered to be:
  - Vigorous:** Tommy Atkins, Zill and Kent.
  - Less vigorous:** Irwin and Sensation.

##### 4.4 Pecan Trees

- Apply to healthy trees only.

- Apply **CULTAR** as a **soil drench** around the base of each tree trunk after removal of all organic material from the application area.
- Rain or irrigation is needed after treatment to obtain the required effects.
- The beneficial effects of **CULTAR** in pecan growth may only be seen during the following season.

##### 4.5 Stone Fruit

(Plums, nectarines and peaches as listed)

- Winter rainfall area only.**
- CULTAR** should only be applied to actively growing healthy trees. Trees should only be sprayed after they have reached full production.
- Apply **CULTAR** only as a **high-volume** spray. Avoid spraying under hot conditions. Spray in the early morning or evening.
- The benefits of growth control with **CULTAR** may only be observed where vegetative growth is excessive.
- Do not apply **thinning sprays** in Harry Pickstone plums.
- CULTAR** should only be applied to the following cultivars:
  - Plums** (Songold, Harry Pickstone, Casselman).
  - Nectarines** (Armking, Flamekist, Panamint, Fantasia).
  - Canning Peaches** (Kakamas, Neethling).
- Autumn **CULTAR** sprays in Songold plums may advance blossom. Ensure Casselman (pollinator) is also sprayed in autumn.
- AGRAL 90 (L5279), at the rate of 10 ml/100 l spray mixture may be added to **CULTAR** sprays to improve coverage.

##### 4.6 Soil Drench Application

- Summer and winter rainfall areas.**
- Apply to healthy trees only.
- Apply **CULTAR** as a **soil drench** around the base of each tree trunk after removal of all organic material from the application area.
- CULTAR** can be applied to all nectarine and peach cultivars.

##### 4.7 Mixing Instructions

**Shake the container before using.**

- Do not mix **CULTAR** with other chemicals.
- After mixing the solution should be maintained in suspension by frequent stirring or continual agitation.

##### AVOCADO TREES

(Growth control/soil drench)

Dosage	Remarks
<b>Initial treatment</b> <b>Vigorous growing trees</b> <ul style="list-style-type: none"> <li>1.6 ml <b>CULTAR</b>/m<sup>2</sup> tree canopy.</li> </ul> <b>Less vigorous growing trees</b> <ul style="list-style-type: none"> <li>0.8 ml <b>CULTAR</b>/m<sup>2</sup> tree canopy.</li> </ul> Apply in 250 - 500 ml water as a soil drench around the trunk of the tree.	<ul style="list-style-type: none"> <li>Apply <b>CULTAR</b> to irrigated orchards only.</li> <li><b>CULTAR</b> applied in spring and early summer will only affect the growth flushes following applications.</li> <li><b>Note:</b> On the cultivar pinkerton apply 0.8 ml <b>CULTAR</b>/tree as initial treatment.</li> </ul>

## AVOCADO TREES cont.

<b>Follow-up treatment</b> <b>Vigorous growing trees</b> <ul style="list-style-type: none"> <li>1.6 ml <b>CULTAR</b>/m<sup>2</sup> tree canopy applied as below.</li> </ul> <b>Less vigorous growing trees</b> <ul style="list-style-type: none"> <li>0.8 ml <b>CULTAR</b>/m<sup>2</sup> tree canopy applied as below.</li> </ul>	
<ul style="list-style-type: none"> <li>Follow-up treatments should be applied at yearly intervals after initial application.</li> </ul>	
<b>Soil application</b> <ul style="list-style-type: none"> <li>Apply <b>CULTAR</b> to healthy trees only.</li> <li>Apply <b>CULTAR</b> to trees less than 2.5 m high as a soil drench around the base of each tree trunk after removal of all organic material from the application area.</li> <li>Rain or irrigation is needed after treatment to obtain the required effects.</li> <li>The visual effects of an application may be delayed for 2 - 4 months depending on tree size and the occurrence of subsequent growth flushes.</li> </ul>	
<b>Determination of canopy size</b> <ul style="list-style-type: none"> <li>For each block a random sample must be measured for height and width (minimum 10 trees).</li> <li>From this the canopy area is calculated by multiplying height and width to give meters of squared canopy area.</li> </ul>	
<b>Foliar application</b> <ul style="list-style-type: none"> <li>For use in the cultivar <b>fuerte</b> only.</li> <li>For use in other cultivars, consult your SYNGENTA representative.</li> <li>Apply to healthy trees only.</li> <li>Apply <b>CULTAR</b> at early to mid-blossom (panicle enlargement) or at an early vegetative flush stage (ideally apply to new vegetative shoots 2 - 4 cm long) directing a light foliar spray at the new growth shoots.</li> <li>Application on the early summer flush may reduce fruit drop. The addition of a wetter will enhance the uptake of the chemical.</li> </ul>	

## AVOCADO TREES (Fuerte only)

(Foliar application/growth control)

Dosage	Remarks
400 ml <b>CULTAR</b> /100 l water	<ul style="list-style-type: none"> <li>Apply <b>CULTAR</b> at early to mid-blossom (panicle enlargement) or at an early vegetative flush stage (ideally apply to new vegetative shoots 2 - 4 cm long) directing the foliar spray at the new growth shoots. Refer above.</li> </ul>

## LITCHI TREES

(Growth control/soil drench)

Dosage	Remarks
<b>Initial treatment</b> <b>Vigorous growing trees</b> <ul style="list-style-type: none"> <li>1.6 ml <b>CULTAR</b>/m<sup>2</sup> tree canopy applied in 250 - 500 ml water as a soil drench around the trunk of the tree.</li> </ul>	<ul style="list-style-type: none"> <li>Apply <b>CULTAR</b> to irrigated orchards only.</li> </ul>

## LITCHI TREES cont.

Dosage	Remarks
<b>Less vigorous growing trees</b> <ul style="list-style-type: none"> <li>0.8 ml <b>CULTAR</b>/m<sup>2</sup> tree canopy applied as above.</li> </ul>	<ul style="list-style-type: none"> <li>Apply <b>CULTAR</b> to irrigated orchards only.</li> </ul>
<b>Follow-up treatments</b> <ul style="list-style-type: none"> <li>0.8 ml <b>CULTAR</b>/m<sup>2</sup> tree canopy applied as below.</li> </ul>	<ul style="list-style-type: none"> <li>Follow-up treatments should be applied at yearly intervals after initial application.</li> </ul>
<ul style="list-style-type: none"> <li>Apply to healthy trees only.</li> <li>Apply <b>CULTAR</b> to trees in areas showing vigorous vegetative growth.</li> <li>Apply <b>CULTAR</b> as a <b>soil drench</b> around the base of each tree trunk after removal of all organic material from the application area.</li> <li>Rain or irrigation is needed after treatment to obtain the required effects.</li> </ul>	

## MACADAMIA TREES

(Growth control/soil drench)

Dosage	Remarks
<b>Initial treatment</b> <ul style="list-style-type: none"> <li>Trees 2 - 4 years old apply 4 - 8 ml <b>CULTAR</b>/tree.</li> <li>Trees 5 - 7 years old apply 10 - 15 ml <b>CULTAR</b>/tree.</li> <li>Trees 8 years and older apply 20 ml <b>CULTAR</b>/tree.</li> </ul> <p>Apply in 250 - 500 ml water as a soil drench around the trunk of the tree.</p>	<ul style="list-style-type: none"> <li>A split treatment on young trees will give uniform growth control, e.g., 4 ml <b>CULTAR</b> applied in September and 4 ml <b>CULTAR</b> applied in February.</li> </ul>
<b>Follow-up treatments</b> <ul style="list-style-type: none"> <li>Trees 2 - 4 years old apply 4 ml <b>CULTAR</b>/tree.</li> <li>Trees 5 - 7 years old apply 8 ml <b>CULTAR</b>/tree.</li> <li>Trees 8 years and older apply 10 ml <b>CULTAR</b>/tree.</li> </ul> <p>Apply in 200 - 500 ml water as a soil drench around the trunk of the tree.</p>	<ul style="list-style-type: none"> <li>Follow-up treatments should be applied at yearly intervals after initial application.</li> <li>Do not re-treat trees showing high growth suppression.</li> </ul>

## MANGO TREES

(Growth control/soil drench)

Dosage	Remarks
<b>Vigorous cultivars</b> <ul style="list-style-type: none"> <li>16 ml <b>CULTAR</b>/tree applied in 250 - 500 ml water as a soil drench around the trunk of the tree.</li> </ul>	<b>Areas of early harvest</b> Apply <b>CULTAR</b> in the late winter/early spring (July - September) for optimal benefits for growth control and early flowering in the following season.



## MANGO TREES cont.

Dosage	Remarks
<b>Less vigorous cultivars</b> <ul style="list-style-type: none"> <li>8 ml <b>CULTAR</b>/tree applied as above.</li> </ul>	<b>Areas of mid to late harvest</b> Apply <b>CULTAR</b> in the late summer/early autumn (February/March) for optimal benefits of growth control in the following season. Apply <b>CULTAR</b> in irrigated orchards only.
<b>Follow-up treatments</b> <ul style="list-style-type: none"> <li>Vigorous growing trees 8 ml <b>CULTAR</b>/tree applied as above.</li> <li>Less vigorous growing trees 4 ml <b>CULTAR</b>/tree applied as above.</li> </ul>	<ul style="list-style-type: none"> <li>Follow-up treatments should be applied at yearly intervals after initial application.</li> <li>On trees showing high growth suppression do not re-apply <b>CULTAR</b> in the following year.</li> </ul>

## PECAN TREES

(Soil drench)

Dosage	Remarks
<b>PECAN TREES (3 - 7 YEARS)</b> <b>Initial treatment</b> <ul style="list-style-type: none"> <li>5 - 10 ml <b>CULTAR</b>/tree.</li> </ul>	<ul style="list-style-type: none"> <li>Apply to all cultivars during October - November in 250 - 500 ml water as a basal drench.</li> </ul>
<b>Follow-up treatment</b> <ul style="list-style-type: none"> <li>4 ml <b>CULTAR</b>/tree.</li> </ul>	<ul style="list-style-type: none"> <li>Apply at yearly intervals to all cultivars.</li> <li>Do not re-treat trees showing high growth suppression.</li> </ul>
<b>PECAN TREES (8 YEARS AND OLDER)</b> <b>Initial treatment (cultivars)</b> Choctaw and Wichita <ul style="list-style-type: none"> <li>30 - 40 ml <b>CULTAR</b>/tree.</li> </ul> Barton, Ukulinga and Mohawk <ul style="list-style-type: none"> <li>30 ml <b>CULTAR</b>/tree.</li> </ul> Desirable, Bester and Marathon <ul style="list-style-type: none"> <li>20 ml <b>CULTAR</b>/tree.</li> </ul>	<ul style="list-style-type: none"> <li>Apply to healthy trees only.</li> <li>Apply as a basal drench in 250 - 500 ml water in the period spring to early summer.</li> </ul>
<b>Follow-up treatment</b> <ul style="list-style-type: none"> <li>8 ml <b>CULTAR</b>/tree.</li> </ul>	<ul style="list-style-type: none"> <li>Apply at yearly intervals to all cultivars.</li> <li>Do not re-treat trees showing high growth suppression.</li> </ul>
<b>PECAN TREES (TOPWORKED TREES)</b> <b>Initial treatment</b> <ul style="list-style-type: none"> <li>15 ml <b>CULTAR</b>/tree.</li> </ul>	<ul style="list-style-type: none"> <li>Apply to all cultivars during October - December in 250 - 500 ml water in the year after topworking.</li> </ul>
<b>Follow-up treatment</b> <ul style="list-style-type: none"> <li>8 ml <b>CULTAR</b>/tree.</li> </ul>	<ul style="list-style-type: none"> <li>Apply at yearly intervals to all cultivars.</li> <li>Do not re-treat trees</li> </ul>

## PECAN TREES cont.

	showing high growth suppression.
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## NECTARINES AND PEACHES (Summer and winter rainfall area) (Growth control/soil drench)

Dosage	Remarks
<b>On cultivars showing normal growth vigour apply</b> <ul style="list-style-type: none"> <li>4 ml <b>CULTAR</b>/tree.</li> </ul> <b>On cultivars showing strong vigorous growth apply</b> <ul style="list-style-type: none"> <li>8 ml <b>CULTAR</b>/tree.</li> </ul>	<ul style="list-style-type: none"> <li>Apply during the early autumn months in 250 - 500 ml water/tree as a soil drench around the trunk of the tree.</li> </ul>

## PLUMS, NECTARINES AND CANNING PEACHES (Winter rainfall area only )

(Cultivars as listed for vegetative growth control)

Dosage	Remarks
100 ml <b>CULTAR</b> / 100 l water	<ul style="list-style-type: none"> <li>Apply <b>CULTAR</b> as a <b>high-volume</b> full-cover spray preferably in autumn at first signs of leaf drop or at bud swell up to white bud (plums) pink bud (peaches and nectarines).</li> <li>Do not spray after pink bud/white bud.</li> </ul>

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