

SHAKE THE BOTTLE WELL BEFORE USE - KEEP OUT OF REACH OF ANIMALS AND CHILDREN

avocet®

PEEL HERE 

6: 28/3/2023 – APRIL 2023

A SUSPENSION CONCENTRATE, SYSTEMIC  
PLANT GROWTH REGULATOR FOR VEGETATIVE  
GROWTH CONTROL ON FRUIT CROPS,  
REDUCTION OF TERMINAL GROWTH AND  
ENHANCED FLOWER AND SEED PRODUCTION  
IN FORESTRY / PLANTATIONS.

REG. NO. L 7368 ACT NO. 36 OF 1947  
N-AR 1300 / W1301439

**ACTIVE INGREDIENT:**

250 G/L PACLOBUTRAZOL (TRIAZOLE)

24 HR EMERGENCY NUMBERS  
GRIFFON POISON INFORMATION CENTRE:  
+27 82 446 8946

24 HR TRANSPORT / SPILL EMERGENCY NO:  
(HAZCALL24) +27 86 044 4411

(CLIENT: VILLA CROP PROTECTION)

MANUFACTURED BY: **FINE AGROCHEMICALS LIMITED**  
HILL END HOUSE WHITTINGTON  
WORCESTER WR5 2RQ, UK  
E ENQUIRE@FINE-AGROCHEMICALS.COM  
WWW.FINE-AGROCHEMICALS.COM

fine

DISTRIBUTED BY:

villa

**UNIVERSAL CROP PROTECTION (PTY) LTD.**  
CO REG. NO. 1983/008184/07  
PO BOX 801,  
KEMPTON PARK 1620  
TEL. (011) 396 2233  
WWW.VILLACROP.CO.ZA

BATCH NUMBER:

DATE FORMULATED:

UN NUMBER: 3082

NET VOLUME:  
**1 L**

**Hazard Statements:**

Causes serious eye irritation.  
Suspected of damaging the unborn child.  
Toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

Wash hands and face thoroughly after handling. Do not touch eyes.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Collect spillage.



**DANGER**

**AVOCET®**

Reg. No. L 7368 Act No. 36 of 1947  
N-AR 1300 / W1301439

**ACTIVE INGREDIENT:**

paclobutrazol (triazole)..... 250 g/l

Registration holder:

**UNIVERSAL CROP PROTECTION (PTY) LTD.**

Co. Reg. No. 1983/008184/07

P.O. Box 801, KEMPTON PARK, 1620

Tel. (011) 396 2233

**WARNINGS****Hazard statements:**

Causes serious eye irritation.
Suspected of damaging the unborn child.
Toxic to aquatic life with long lasting effects.

- Handle with care.
- Do not graze treated areas.
- Do not contaminate dams, rivers, lakes or any other water sources.
- Store in a cool, dry, well-ventilated place in the original container, tightly closed and store away from food, feeds, seed, fertilizers and other agricultural remedies.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area until spray deposit has dried 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 climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label, as well as by the method, time and accuracy of application. The registration holder further does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal 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, which could not have been foreseen in terms of the registration. Consult the supplier in event of any uncertainty.

**PRECAUTIONS****Precautionary statements:**

Obtain, read and follow all safety instructions before use.
Wash hands and face thoroughly after handling. Do not touch eyes.
Avoid release into the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned, get medical advice.
If eye irritation persists: Get medical help.
Collect spillage.
Store locked up.
Dispose of contents/container to suitable landfill in accordance with local regulations.

- Avoid skin contact.
- Do not eat, drink or smoke whilst mixing and applying the product or before washing hands and face and change of clothing.
- Wash contaminated clothing after use.
- Prevent drift onto other crops, grazing, rivers, dams and areas not under treatment or to nearby water sources.
- Thoroughly clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.

- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler [www.croplife.co.za](http://www.croplife.co.za). Do not bury, burn, or donate the container to any other parties that may use it as a container for food or beverages.
- Never re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

Relevant hazardous components	
Paclobutrazol	250 g/l
Dispersant	< 40 g/l
Biocide	< 2 g/l
Sodium hydroxide	< 0.05 g/l

#### **SYMPTOMS OF POISONING**

Causes serious eye irritation. Suspected of damaging the unborn child.

#### **Mode of Action:**

**AVOCET®** produces more compact plants and enhances flowering and fruiting. It acts by inhibition of ent-kaurene oxidase (KO), thus inhibiting gibberellin biosynthesis. It also is an inhibitor of sterol biosynthesis by inhibition of demethylation.

#### **USE RESTRICTIONS**

##### **General:**

##### **Soil drench & foliar applications:**

- Do not apply **AVOCET®** to trees under stress.
- Apply **AVOCET®** to healthy, actively growing trees only.
- Do not apply **AVOCET®** within six (6) months to newly planted orchards.
- When applied for lodging reduction, **AVOCET®** should be applied to healthy and actively growing plants.
- Be prepared to increase the levels of fertilizer required, as **AVOCET®** may increase the yield in certain crops.
- The symptoms of trace element deficiencies may be intensified by the use of **AVOCET®**.
- Do not use **AVOCET®** as a soil drench for three (3) years prior to grubbing an orchard, in order to avoid growth retardation in crops subsequently planted.
- Ensure all organic material has been removed, before applying the product around the base of each tree trunk.
- To obtain the required effects, rain or irrigation is required after application.

#### **DIRECTIONS FOR USE: Use only as directed.**

##### **Compatibility:**

- Do not apply **AVOCET®** in a tank mixture with other products.

##### **Mixing Instructions:**

- Half fill the spray tank with clean water.
- Shake the **AVOCET®** container well before use.
- Add the required amount of **AVOCET®** to the water in the spray tank while stirring.
- Replace the cap after use.
- Fill the spray tank with water to the required level while maintaining agitation, to ensure thorough mixing.
- Maintain agitation while spraying.
- Prepared spray mixture must not be left in the spray tank for any length of time, e.g., overnight.

##### **Application:**

- Calibrate the apparatus before application, to ensure that the correct dosage is applied. Ensure uniform distribution of the spray solution throughout the target area.
- **DO NOT apply during rain or when rain is expected shortly after application.**

##### **Method To Determine the Canopy Size:**

- Measure the height and width of a minimum of 10 randomly chosen trees per block.
- Multiply the height with the width, measured for each tree, to calculate the canopy area in squared metres for each tree.
- Calculate the average canopy size for the block.

## APPLICATION RATES

<i>Crop and Use</i>	<i>Dosage rate</i>	<i>Remarks</i>
<b>Avocados</b> Vegetative growth control	<b>Soil Drench Application:</b> Apply <b>AVOCET</b> ® to irrigated orchards only. Do not apply <b>AVOCET</b> ® as a soil drench to trees higher than 2.5 metres. Depending on the tree size and the occurrence of subsequent growth flushes, the effects of the application may be visible only 2 to 4 months after application. Refer also to "Use Restrictions" above. To determine the canopy size, refer to "Method to Determine the Canopy Size" above.	<b>Initial treatment:</b> Use the high dosage rate on trees growing vigorously and the lower dosage rate on trees growing less vigorously. Apply in 250 to 500 ml water as a soil drench around the trunk of the tree. <b>AVOCET</b> ® applied in spring and early summer will only affect the growth flushes following the application.
	0.8 to 1.6 mℓ / m <sup>2</sup> tree canopy	<b>NOTE</b> On cultivar Pinkerton, apply 0.8 ml <b>AVOCET</b> ® per tree as an initial treatment. After the initial treatment, apply the follow-up treatments at yearly intervals.
	0.8 to 1.6 mℓ / m <sup>2</sup> tree canopy	<b>Follow-up treatments:</b> Apply the follow-up treatments at yearly intervals. Use the high dosage rate on trees growing vigorously and the lower dosage rate on trees growing less vigorously. Apply in 250 to 500 ml water as a soil drench around the trunk of the tree. <b>AVOCET</b> ® applied in spring and early summer will only affect the growth flushes following the application.
<b>Fuerte and Hass</b> Vegetative growth control	<b>Foliar Application:</b> For use on Fuerte and Hass. Consult the supplier for use of <b>AVOCET</b> ® in other cultivars. Refer also to "Use Restrictions" above.	Apply <b>AVOCET</b> ® either at early to mid blossom with panicle enlargement or at early vegetative flush stage (ideally apply to new vegetative shoots when 2 to 4 cm long). Direct the spray to the new growth shoots. Fruit drop may be reduced when applying to the early summer flush. The uptake of <b>AVOCET</b> ® will be enhanced when adding a wetting agent.
	400 mℓ / 100 ℓ water	
<b>Litchis</b> Vegetative growth control	<b>Soil drench application:</b> Apply <b>AVOCET</b> ® to irrigated orchards only. Refer also to "Use Restrictions" above. To determine the canopy size, refer to "Method to Determine the Canopy Size" above.	<b>Initial treatment:</b> Use the high dosage rate on trees growing vigorously and the lower dosage rate on trees growing less vigorously. Apply in 250 to 500 ml water as a soil drench around the trunk of the tree. After the initial treatment, apply the follow-up treatments at yearly intervals.
	0.8 to 1.6 mℓ / m <sup>2</sup> tree canopy	
	0.8 mℓ / m <sup>2</sup> tree canopy	<b>Follow-up treatments:</b> Apply the follow-up treatment at yearly intervals. Apply in 250 to 500 ml water as a soil drench around the trunk of the tree.
<b>Plantations / Forestry</b> Reduction of terminal growth and enhanced flower and seed production of Eucalyptus, Wattle and Pine spp.	1 to 10 mℓ / cm RCD (Root Collar Diameter), applied in 5 ℓ water per tree	Apply evenly to the soil surface around the root zone of the tree. Apply once between spring to summer. Treat only trees that are well established in their final location.

<i>Crop and Use</i>	<i>Condition of tree</i>	<i>Dosage rate</i>	<i>Remarks</i>
<b>Macadamias</b> Vegetative growth control	<b>Soil drench application:</b> Apply <b>AVOCET®</b> to irrigated orchards only. Refer also to "Use Restrictions" above.		
	2 to 4 years old	4 to 8 mℓ / tree	<b>Initial treatment:</b> Apply in 250 to 500 mℓ water as a soil drench around the trunk of the tree. Uniform growth control can be achieved by a split treatment. Apply 4 ml <b>AVOCET®</b> in September and 4 ml <b>AVOCET®</b> in February. After initial treatment, apply the follow-up treatments at yearly intervals.
	5 to 7 years old	10 to 15 mℓ / tree	
	8 years and older	20 mℓ / tree	
	2 to 4 years old	4 mℓ / tree	<b>Follow-up treatments:</b> Apply the follow-up treatment at yearly intervals. Apply in 250 to 500 mℓ water as a soil drench around the trunk of the tree. Do not re-spray trees that show high growth suppression.
	5 to 7 years old	8 mℓ / tree	
8 years and older	10 mℓ / tree		
<b>Mangoes</b> Vegetative growth control	<b>Soil drench application:</b> Apply <b>AVOCET®</b> to irrigated orchards only. Refer also to "Use Restrictions" above. The use of <b>AVOCET®</b> may lead to earlier flowering and to an increase in number of panicles.		
	<b>Vigorous cultivars:</b> e.g., Tommy Atkins, Zill & Kent	16 mℓ / tree	<b>Initial treatment:</b> Apply in 250 to 500 mℓ water as a soil drench around the trunk of the tree. After initial treatment, apply the follow-up treatments at yearly intervals. <b>Early harvest areas:</b> For optimal results regarding growth control and early flowering in the following season, apply in late winter/early spring (July to September). <b>Mid to late harvest areas:</b> For optimal results regarding growth control in the following season, apply in late summer/early autumn (February to March).
	<b>Less vigorous cultivars:</b> e.g., Irwin & Sensation	8 mℓ / tree	
	<b>Vigorous cultivars:</b> e.g., Tommy Atkins, Zill & Kent	8 mℓ / tree	<b>Follow-up treatment:</b> Apply the follow-up treatment at yearly intervals. Apply in 250 to 500 ml water as a soil drench around the trunk of the tree. Do not re-spray trees that show high growth suppression. <b>Early harvest areas &amp; mid to late harvest areas:</b> Refer to instructions described under "Initial treatment".
<b>Less vigorous cultivars:</b> e.g., Irwin & Sensation	4 mℓ / tree		
<b>Peaches &amp; Nectarines</b> Vegetative growth control	<b>Soil drench application:</b> <b>Summer and Winter rainfall areas:</b> <b>AVOCET®</b> can be applied to all peach and nectarine cultivars. Refer also to "Use Restrictions" above.		
	Normal growth	4 mℓ / tree	Apply in 250 to 500 mℓ water as a soil drench around the trunk of the tree. Apply during early autumn months to all cultivars.
	Strong vigorous growth	8 mℓ / tree	
<b>Plums, Canning Peaches &amp; Nectarines</b> Vegetative growth control	<b>High volume Foliar Application:</b> <b>Winter rainfall area only:</b> Apply <b>AVOCET®</b> only to actively growing trees after they have reached full production age. Avoid spraying under hot conditions; rather spray in the early morning or evening. Vegetative control may only be visible where vegetative growth is excessive. Refer also to "Use Restrictions" above. A wetting agent may be added to the <b>AVOCET®</b> spray mixture to improve coverage. <b>AVOCET®</b> can be applied only to the following cultivars: <b>Plums:</b> Songold, Harry Pickstone & Casselman. <b>Canning Peaches:</b> Kakamas & Neethling. <b>Nectarines:</b> Armkling, Flamekist, Panamint & Fantasia. Blossom may be advanced in Songold by the autumn spray. Ensure that Casselman (pollinator) is also sprayed in autumn. <b>Do not</b> apply thinning agents in Harry Pickstone plums.		
	After full production stage is reached on cultivars listed above	100 mℓ / 100 ℓ water	Apply as a high-volume full cover spray. Apply in autumn at the first signs of leaf drop or at bud swell up to white bud; (plum)/pink bud; (peaches & nectarines). <b>Do not</b> spray after white bud/pink bud.

<i>Crop and Use</i>	<i>Condition of tree</i>	<i>Dosage rate</i>	<i>Remarks</i>
Pecan nuts Vegetative growth control	<b>Soil drench application:</b> Apply <b>AVOCET®</b> to irrigated orchards only. Refer also to "Use Restrictions" above. The effects of <b>AVOCET®</b> treatments will only be visible during the following season.		
	3 to 7 years old	5 to 10 ml / tree	<b>Initial treatment:</b> Apply in 250 to 500 ml water as a basal drench around the trunk of the tree. Apply during October to November to all cultivars.
	8 years and older Cultivars: Choctaw & Wichita Burton, Ukulinga & Mohawk	30 to 40 ml / tree  30 ml / tree	Apply in 250 to 500 ml water as a basal drench around the trunk of the tree.  Apply during spring to early summer.
	Desirable, Bester & Marathon	20 ml / tree	
	Topworked trees	15 ml / tree	Apply in 250 to 500 ml water as a basal drench around the trunk of the tree. Apply after topworking during October to December in the year of topworking.
	3 to 7 years old	4 ml / tree	<b>Follow-up treatments:</b> After the initial treatment, apply the follow-up treatments at yearly intervals to all cultivars.  Apply in 250 to 500 ml water as a soil drench around the trunk of the tree.
	8 years and older: Cultivars: Choctaw, Wichita, Burton, Ukulinga, Mohawk, Desirable, Bester & Marathon	8 ml / tree	
	Topworked trees	8 ml / tree	Do not re-spray trees that show high growth suppression.

**AVOCET®** is a trademark of FINE Agrochemicals Ltd., UK.

#### PRODUCT WARRANTY CONDITIONS AND LIMITATION OF LIABILITY

Fine Agrochemicals Limited ("FINE") warrants that this Product conforms to the specifications indicated on this label. FINE disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for a particular purpose.

It is impossible to eliminate all risks associated with this Product. Plant injury, lack of performance or other unintended consequences may result because of factors such as abnormal weather conditions, presence of other materials, the manner of application, use of the Product other than in strict accordance with this label's instructions or other factors, all of which are beyond the control of FINE or the seller. To the extent consistent with applicable law, the Buyer shall assume all such risks. FINE's liability under this label shall be limited to the amount of the purchase price or, at the election of FINE, the free replacement of the Product. FINE disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the handling or use of this Product.

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