



# POISON

**KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING**

<b>SC</b>	FORMULATION TYPE
	<b>Suspension Concentrate</b>

**ACTIVE CONSTITUENT:**  
350 g/L IMIDACLOPRID

GROUP	<b>4A</b>	INSECTICIDE
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**CONTENTS:**

- 1 L-1000 L
- 1 L
- 5 L
- 10 L
- 20 L



**For the control of various insect pests in sugarcane, cotton, fruit, vegetables and ornamentals as specified in the Directions for Use table.**

**SAFETY DIRECTIONS**

Harmful if swallowed. Repeated exposure may cause allergic disorders. When preparing product for use, wear cotton overalls buttoned to the neck and wrist and awashable hat, elbow-length PVC gloves and face shield. Wash hands after use. After each day’s use, wash gloves, face shield and contaminated clothing.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

**SAFETY DATA SHEET**

Additional information is listed in the Safety Data Sheet that can be obtained from [www.fmccrop.com.au](http://www.fmccrop.com.au)

## GENERAL INSTRUCTIONS

**INSECTICIDE RESISTANCE WARNING**

GROUP	<b>4A</b>	INSECTICIDE
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For insecticide resistance management, Couraze Classic® Insecticide is a Group 4A insecticide. Some naturally occurring insect biotypes resistant to Couraze Classic® and other Group 4A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Couraze Classic® and other Group 4A insecticides are used repeatedly. The effectiveness of Couraze Classic® on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, FMC accepts no liability for any losses that may result from the failure of Couraze Classic® to control resistant insects. Couraze Classic® may be subject to specific resistance management strategies.

For further information contact your local supplier, FMC representative or local agricultural department agronomist.

**Resistance Management Strategy (vegetables)**

**DO NOT** apply more than one soil application of Couraze Classic® to each crop.

**DO NOT** use Couraze Classic® or any Group 4A insecticide as a foliar spray after soil application of Couraze Classic® in that crop. Refer to district advice for local silverleaf whitefly resistance management strategies.

**Insecticide Resistance Management Strategy for Cotton Aphid in Cotton**

Contact your local supplier, FMC representative or local agricultural department agronomist.

**Insecticide Resistance Management Strategy for other Aphids, Whitefly and Melon Thrips**

**DO NOT** apply Couraze Classic® Insecticide (or other group 4A insecticides) in consecutive sprays within and between seasons. Rotate with registered insecticides from other groups.

**Confined environments such as glasshouses**

Annuals: **DO NOT** apply more than one spray of Couraze Classic® Insecticide to any one crop.

Perennials: Rotate with registered insecticides from other groups. Use with a maximum of three sprays in any 12 month period.

## **NOTE FOR VEGETABLE CROPS: POTENTIAL MIGRATION OF SILVERLEAF WHITEFLY FROM NEIGHBOURING CROPS**

Adult silverleaf whitefly (SLWF) are controlled when they ingest a lethal dose of active ingredient by feeding on a Couraze Classic® treated crop. However, in some very susceptible crops and varieties, the migration of large populations of adults from adjacent fields may result in significant feeding damage to the crop, although further reproduction and development of the pest will be prevented. To help prevent such damage it is important to minimise the migration of adult SLWF into a treated crop, e.g. by applying a 'clean-up' fast-acting insecticide to recently harvested crops. Consideration of factors such as planting sequences and timing, wind direction, variety selection, and general crop hygiene should also be integral to SLWF management. Crops should also be monitored for SLWF adult numbers after application of Couraze Classic®, and appropriate fast acting insecticides for control of adults should be applied if economic thresholds are reached or excessive adult feeding damage is observed.

### **MIXING**

Prior to pouring, shake container vigorously, then add the required quantity of Couraze Classic® to water in the tank while stirring or with agitators in motion. Couraze Classic® requires constant agitation in the tank.

### **APPLICATION (SUGARCANE)**

#### **Plant Cane**

Application can occur at various stages from planting until hilling-up as described below. Couraze Classic® should be applied into the plant drill in a narrow band centred on the cane row. Mix Couraze Classic® with water and spray the mixture into the cane drill as a narrow 50-100 mm wide band in the middle of the drill. Apply in no less than 1.5 litres of water per 100 metres of cane row (equivalent to no less than 100 L/ha of water for single row cane with 1.52 m spacing between rows).

Adjust the application equipment so that the treated band of soil is at least 50 mm **above** the level of the setts in the soil, and is **immediately covered by at least 50 mm of soil** on top of that layer. There should be at least 100 mm of soil cover over the treated layer until the final cultivation or hilling-up operation. This placement of the spray band can be achieved in several ways. Not all application methods are suitable to every circumstance. Application at planting is not recommended for control of greyback canegrubs in situations where very deep planting is practiced.

#### ***At planting***

Fix a spray nozzle or nozzles on the planter so that the Couraze Classic® spray band is directed at soil just after it covers the setts to a depth of at least 50 mm. The boards on the planter need to be adjusted so that at least another 50 mm of soil comes over the top of the treated band of soil. Subsequent cutaway cultivations must **NOT** disturb soil to the depth of the treated band.

#### ***At first working, or at half-open drill, or at fill-in***

Apply Couraze Classic® as a spray band 50-100 mm

wide directed at the base of the young cane shoots so that the middle of the drill is treated, not the sides. A single nozzle per row or a directed nozzle each side of each row may achieve this.

The treated band must be covered with at least 50 mm of soil immediately. Subsequent cultivations must not disturb soil to the depth of the treated band. There should be at least 100 mm of soil cover over the treated layer after the final cultivation or hilling-up operation.

#### ***At hilling-up***

Apply Couraze Classic® as twin narrow spray bands 50 mm wide on each side of the cane rows directed at the base of the young cane shoots. Directed nozzles each side of each row may achieve this. Direct the spray nozzles to ensure that the spray is not blocked by cane shoots or leaves. The treated bands must be covered with at least 100 mm of soil immediately as the final step in the shaping of the row profile.

#### **Ratoon cane**

Apply only as a subsurface soil application. Apply in no less than 1.5 litres of water per 100 metres of cane row (equivalent to no less than 100 L/ha of water for single row cane with 1.52 m spacing between rows).

Soil should have moisture at coulters depth at the time of application or should receive at least 15 mm of rainfall or irrigation within 1 week.

**DO NOT** leave Couraze Classic® exposed to sunlight. After application ensure that the Couraze Classic® treated band is covered by at least 100 mm of soil and that coulters slits are filled in completely.

**Twin coulters method**: Apply subsurface behind twin coulters to a depth of 100-125 mm. Coulters should be spaced 220 mm to 500 mm apart, one either side of the centre of the stool. Coulters slits should be in the sides or top of the stool mound rather than at the base. Narrow spacings may not be possible with advanced ratoon growth. **DO NOT** apply using narrow spacings if ratoon growth is advanced such that excessive crop damage from equipment may result.

**Single coulters method ("stool split")**: Apply subsurface behind a single coulters in the centre of the stool. **DO NOT** apply using this method if ratoon growth is advanced such that excessive crop damage from equipment may result. This method is not suitable for all areas and has not been fully evaluated in some parts of southern Qld, NSW. Before using this method, consult your local FMC representative.

### **APPLICATION (APPLES, BANANAS, VEGETABLES)**

Refer to instructions in Critical Comments for each application method.

**PRECAUTION - Application in bananas**: Ensure application equipment does not leak. To reduce the risk of exposure from accidental leakage, wear gloves during application.

### **APPLICATION (CITRUS)**

Ensure treatment area below canopy is weed free prior to application and remains weed free throughout season,

otherwise reduced control will occur.

**Soil drench:** Apply Couraze Classic® in a water mix using 1 L of water per tree. Apply evenly to moist soil immediately around the base of the tree trunk to a maximum trunk height of 20 cm. Ensure the mixture infiltrates the soil around the trunk and does not run off the soil. **DO NOT** disturb or remove the treated soil around the trunk during the season. Irrigation for up to 1 hour (depending on soil type) immediately after a soil drench application is preferred but not essential. **DO NOT** leave Couraze Classic® mixture exposed to sunlight.

**Drip or micro-sprinklers (below canopy):** Drip emitters placed under the tree canopy or near the trunk provide better results than those spaced irregularly or further from the tree. Micro-sprinklers should only be used when the wetting zone can be contained beneath the tree canopy, especially in young orchards where there is minimal canopy and root development. Begin injection only after soil below the trees furthest from the injection point is partially wetted up and irrigation system has reached operating pressure. After Couraze Classic® injection is completed, and lines have been flushed continue irrigation for no longer than 1 hour. On sandy soils, this irrigation period after lines have been flushed should not be more than 10 minutes. Allow 48 hours before subsequent irrigations. This application technique is best suited to an IPM system where beneficial species (e.g. parasitic wasps) are released.

**DO NOT** disturb or remove the treated soil during the season. **DO NOT** leave Couraze Classic® mixture exposed to sunlight.

#### NOTE ON ORNAMENTALS

Couraze Classic® Insecticide has been used on a wide range of ornamental plant species without damage. However, some species and varieties are particularly sensitive to chemic sprays and as this is often related to local conditions. It is advisable to treat only a smaller number of plants first, in order to ascertain their reaction before treating the whole crop.

#### COMPATIBILITY

Couraze Classic® Insecticide is compatible with propineb and bitertanol. **DO NOT** mix concentrates together but add each to the spray tank separately. As formulations of other manufacturers' products are beyond the control of FMC, all mixtures should be tested prior to mixing commercial quantities. As changes in climatic conditions can alter the sensitivity of plants to mixtures of sprays, FMC cannot be responsible for the behaviour of such mixtures.

#### DILUTE SPRAYING (STONE FRUIT)

Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed.

Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-

off.

The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice.

Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off. The required dilute spray volume will change and the sprayer set up and operation may only need to be changed, as the crop grows.

#### CONCENTRATE SPRAYING (STONE FRUIT)

Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed.

Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume.

Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate.

The mixing rate for concentrate spraying can then be calculated in the following way:

#### Example Only

1. Dilute spray volume as determined above: For example 1500 L/ha
2. Your chosen concentrate spray volume: For example 500 L/ha
3. The concentration factor in this example is:  $3 \times$  (i.e.  $1500 \text{ L} \div 500 \text{ L} = 3$ )
4. As the dilute label rate is 25 mL/100 L for stone fruit, then the concentrate rate becomes  $3 \times 25$ , which is 75 mL/100 L of concentrate spray.

The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows.

**DO NOT** use a concentrate rate higher than that specified in the Critical Comments.

For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

#### PROTECTION OF LIVESTOCK

**Dangerous to bees. DO NOT** spray any plants in flower while bees are foraging.

**DO NOT** graze any treated area, or cut for stock food.

**DO NOT** feed produce harvested from treated area to animals, including poultry.

#### PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

**DO NOT** contaminate streams, rivers or waterways with the chemical or used containers.

**Imidacloprid is toxic to certain aquatic species.** Application should be planned to avoid run-off within 48 hours of application. Application should not be made to wet/waterlogged soils. Application is not to be performed if heavy rains are expected to occur within 48 hours.

Irrigation run-off from treated areas should be prevented from entering drains and waterways. **DO NOT** over irrigate or cause runoff. Irrigation should only occur when soil moisture measurements indicate the need for addition of water.

**Citrus:** For the first 48 hours after application irrigation should be restricted to only that which is recommended immediately after application (refer to Application section).

**Sugarcane:** Irrigation should not occur within 48 hours of application.

**Vegetables** (furrow spray pre-plant and plant hole drench applications): Irrigation within 48 hours of application should be minimal, and sufficient to reduce seedling stress only.

**Run-off management:** **DO NOT** apply within 3 metres of aquatic areas. The growth of a vegetative filter strip between the application site and any water body would also assist.

### **STORAGE AND DISPOSAL**

Store in the closed, original container in a cool, well-ventilated area.

**DO NOT** store for prolonged periods in direct sunlight.

#### **Leaflet**

The method of disposal of the container depends on the container type. Read the 'Storage and Disposal' instructions on the label that is attached to the container.

#### **Non-returnable containers only**

Triple or preferably pressure rinse containers before disposal. Add rinsings to the 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 for appropriate disposal 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.

#### **100, 110 L**

**DO NOT** remove or tamper with the dry valves or security seal. **DO NOT** contaminate the drum with water or any other foreign matter. After each use of the product ensure that the dry valve coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the drum is empty remove the dry valve coupler and return to the point of purchase.

#### **1000 L**

Store in the closed, original container in a cool, well-ventilated area. **DO NOT** store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

## DIRECTIONS FOR USE

### RESTRAINTS:

#### Foliar application

For aphid, whitefly and melon thrips resistance strategies where repeat applications are necessary see General Instructions.

**DO NOT** use on crops produced hydroponically or in glasshouses and other covered situations.

#### Soil application

**DO NOT** use on crops produced hydroponically or in glasshouses and other covered situations.

**DO NOT** apply Couraze® Classic or any other group 4A insecticide as a foliar spray after soil application or injection of Couraze® Classic in that crop.

**DO NOT** apply more than one soil application of Couraze® Classic or any other soil applied group 4A insecticide per crop for vegetables or sugarcane, per season for citrus or per two years for apples.

**DO NOT** apply more than one injection of Couraze® Classic® or any other group 4A insecticide per crop for bananas.

### FOLIAR SPRAY APPLICATIONS

#### Crops

CROP	PEST	RATE	WH P	CRITICAL COMMENTS
Cotton	Aphids, Mirids Brown Flea Beetle	140 mL/ha + Pulse Penetrant at 0.2% v/v (2 mL/L water)	13 weeks	Apply when pest numbers reach treatment threshold levels as determined by field checks. Apply in a minimum water volume of 25 L/ha. Ensure thorough coverage of plants.
Stone Fruit	Green Peach Aphid, Black Peach Aphid	15 mL /100 L	21 days	Apply at first sign of aphid infestation. Apply as a full cover spray, ensuring thorough coverage. For concentrate equipment see General Instructions.
Cucurbits	Green Peach Aphid	15 mL/100 L or 170 mL/ha	1 day	Apply at first sign of aphid infestation.
Capsicum, Eggplant, Potato			7 days	
Tomato			3 days	
Brassicas	Grey Cabbage Aphid, Turnip Aphid		7 days	Apply at first sign of aphid infestation. Apply a wetting agent.
Sweet Potato	Silverleaf Whitefly, Including Type B	15 mL/100 L or	7 days	Apply at first sign of whitefly or melon thrips infestation.
Cucumber			1 day	
Eggplant	Melon Thrips	140 mL/ha	7 days	Apply dilute sprays (15 mL/100 L) to run off. Ensure thorough coverage of underside of leaves. Use of droppers will improve coverage of underside of leaves.

## SOIL DRENCH APPLICATIONS

### Crops

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
Bananas - Cavendish	Banana Rust Thrips ( <i>Chaetanaphothrips signipennis</i> ) (Nth Qld, NT, Nth WA only)	2.5 or 3.5 mL/ stool Inject undiluted or diluted 50:50 with water	-	<p>The higher rate may give improved control of banana rust thrips in some situations.</p> <p><b>Timing</b> Inject into the base of an unbunched follower. A single injection can be made within three months of harvest of the mother plant or nurse suckering, provided the follower has reached a height of at least 1.5 m to the throat of the plant.</p> <p>For application in plant bananas the same minimum height requirement applies as above, plus the plant should be at a stage at least 3 months prior to bell emergence.</p> <p><b>Method</b> Injection should occur 15 cm from the base of the plant at an off-centre, downward angle to a depth of 10 cm. <b>DO NOT</b> inject into the centre of the plant as this may result in plant death.</p> <p>Injection should be conducted in a manner which ensures applied chemical is retained within the pseudostem. Irrigation or moderate to heavy or prolonged periods of rainfall may saturate the internal structure of the pseudostem, leading to "run-out" from injection holes. Allow sufficient time following irrigation and rainfall events, before application, to minimise such 'run-out'.</p> <p>Couraze Classic® should be used as part of an integrated pest management approach which should include the use of other measures for control of banana rust thrips, such as bell injection and bunch applications.</p> <p><b>Note:</b> Application during conditions conducive to banana spider mite may enhance population development. Under these conditions, continue to monitor mite populations following Couraze Classic® application, taking appropriate action where thresholds are exceeded.</p>
	Banana Weevil Borer ( <i>Cosmopolites sordidus</i> ) (Qld, NSW, NT, WA only)	2.5 mL/stool Inject undiluted or diluted 50:50 with water		
Bananas – Lady Finger		2.5 or 3.5 mL/ stool Inject undiluted or diluted 50:50 with water		
<b>Sugarcane</b> (plant cane)  All sugarcane areas	Greyback Canegrub	16 - 22 mL per 100 metres of cane row  (equivalent to 1.05 - 1.44 L/ ha for single row cane with 1.52 m spacing between rows)	21 weeks (G or H)	<p><b>Moderate - high pest pressure</b> (2 or more grubs/stool expected)</p> <p><b>August – November applications from planting to hilling-up.</b></p> <p>Apply at planting, or at first working, or at half-open drill stage, or at fill-in or final hilling. Apply at final hilling only if sufficient soil cover can be applied. Use the high rate where heavy canegrub infestation is expected.</p> <p>Apply in a narrow spray band in the planted row. Treated soil must be covered immediately. Refer to Application directions under GENERAL INSTRUCTIONS.</p>

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
<b>Sugarcane</b> (plant cane)  All sugarcane areas	Greyback Canegrub	11 mL per 100 metres of cane row  (equivalent to 720 mL/ha for single row cane with 1.52 m spacing between rows)	21 weeks (G or H)	<b>Low pest pressure</b> (less than 2 grubs/stool expected)  <b>September-November applications at fill-in and hilling-up only.</b> Apply at fill-in or final hilling only. Apply at final hilling only if sufficient soil cover can be applied.  Apply in a narrow spray band in the planted row. Treated soil must be covered immediately. Refer to Application directions under GENERAL INSTRUCTIONS.
<b>Sugarcane</b> (plant cane)  Southern Qld (Bundaberg and south) and NSWonly	Childers Canegrub, Negatoria Canegrub, Plectris Canegrub, Rhopaea Canegrub, Southern One-Year Canegrub	11-16 mL per 100 metres of cane row (equivalent to 0.72-1.05 L/ha for single row cane with 1.52 m spacing between rows)		Apply generally in spring or summer either at planting, or at first working, or at half-open drill stage, or at fill-in or final hilling. Apply at final hilling only if sufficient soil cover can be applied.  If larvae are likely to be present at or soon after planting (e.g. in a plough out/replant situation) then early application is recommended. If larvae pressure is not anticipated until the crop is established, then application at the later recommended timings, i.e. closer to the first canegrub larvae presence may be more effective, for example, for autumn plantings, application should be delayed until spring.  Apply in a narrow spray band in the planted row. Treated soil must be covered immediately. Refer to Application directions under GENERAL INSTRUCTIONS.
<b>Sugarcane</b> (ratoon cane only)  All sugarcane areas	Greyback Canegrub	16-22 mL per 100 metres of cane row (equivalent to 1.05-1.44 L/ha for single row cane with 1.52 m spacing between rows)		Apply from September to November to fields which are at high risk of greyback grub damage.  In areas where early flights of beetles occur, application should be early within this period. Late applications where large 3rd instar larvaedominate the grub population will not be as effective. Application should be made while stools are small enough to avoid excessive damage.  Use the high rate when high grub populations are expected, e.g. an average greater than 4 grubs per stool.  Apply only as a subsurface soil application behind coulters (refer to Application directions under GENERAL INSTRUCTIONS).
	French's Canegrub	16-22 mL per 100 metres of cane row (equivalent to 1.05-1.44 L/ha for single row cane with 1.52 m spacing between rows)		Begin monitoring for the presence of grubs in September, and continue to monitor at regular intervals. Apply Couraze Classic® <b>immediately</b> if grub numbers have reached an economic threshold (about 3 grubs per stool). Early applications are more effective than later ones. <b>DO NOT</b> apply any later than November.  Use the high rate when grub populations are high, e.g. an average greater than 5 grubs per stool, or if application is late (damage already visible).  Apply only as a subsurface soil application behind coulters (refer to Application directions under GENERAL INSTRUCTIONS).

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
<p><b>Sugarcane</b> (ratoon cane only)</p> <p>All sugarcane areas</p>	Negatoria Canegrub	11-16 mL per 100 metres of cane row (equivalent to 0.72 - 1.05 L/ha for single row cane with 1.52 m spacing between rows)	21 weeks (G or H)	<p>Begin monitoring for the presence of grubs in September, and continue to monitor at regular intervals. Apply Couraze Classic® <b>immediately</b> if grub numbers have reached an economic threshold (about 3 grubs per stool). Early applications are more effective than later ones. <b>DO NOT</b> apply any later than November.</p> <p>Use the high rate when grub populations are high, e.g. an average greater than 5 grubs per stool, or if application is late (damage already visible).</p> <p>Apply only as a subsurface soil application behind coulters (refer to Application directions under GENERAL INSTRUCTIONS).</p>
<p><b>Sugarcane</b> (ratoon cane)</p> <p>Southern Qld (Bundaberg and south) and NSW only</p>	Childers Canegrub, Plectris Canegrub, Rhopaea Canegrub, Southern One-Year Canegrub	11-16 mL per 100 metres of cane row (equivalent to 0.72-1.05 L/ha for single row cane with 1.52 m spacing between rows)		<p>Begin monitoring for the presence of grubs in September (December for southern one-year canegrub) and continue to monitor at regular intervals. Apply Couraze Classic® <b>immediately</b> if grub numbers reach an economic threshold (e.g. 3-4 grubs per stool). Early applications are more effective than later ones. Use the high rate when grub populations are high, e.g. an average greater than 5 grubs per stool or if application is late (damage already visible).</p> <p>Apply only as a subsurface soil application behind coulters (refer to Application directions under GENERAL INSTRUCTIONS).</p>

CROP	PEST	RATE	WH P	CRITICAL COMMENTS
Capsicum, Cucurbits, Eggplant, Sweet Potato, Tomatoes	Silverleaf Whitefly, including type B	14 mL/100 metres of row	-	<p><b>Sub-surface trickle irrigation injection</b></p> <p>Apply once only 5 to 7 days after planting out (or 5 to 7 days from seed emergence if planted from seed). Begin injection only after water has reached the furthest drip points and soil is partially wetted up. After Couraze injection is completed, continue irrigation only until lines are flushed, not longer than 1 hour. <b>DO NOT</b> apply Couraze Classic® using surface trickle irrigation or any other type of above ground irrigation system. Subsequent irrigations should occur only when soil moisture measurements indicate the need for addition of water. <b>DO NOT</b> over irrigate or cause runoff.</p> <p>In situations where root development in the crop is slow, evidence of control may be delayed.</p>
		14 mL/100 metres of row (Mix with water, using at least 2 litres of spray mixture per 100 m of row)		<p><b>Furrow spray pre-plant</b></p> <p>Apply to open furrow not earlier than 5 days prior to planting as a narrow band of spray centred under the plant row. <b>DO NOT</b> leave Couraze Classic® exposed to sunlight. Sprayed soil should be covered immediately. After final shaping of the planting bed, the treated layer of soil should be approximately 100 mm below the soil surface. At planting, steps should be taken to ensure workers do not contact treated soil.</p>
		14 mL/100 metres of row (Mix with sufficient water to allow a constant volume of at least 50 mL of drench mixture per plant)		<p><b>Plant hole drench</b></p> <p><b>DO NOT</b> apply Couraze Classic® by this method where plant spacing along the row exceeds 60 cm. Apply the selected volume of drench mixture in the planting hole at planting or within 2 days after planting. Steps should be taken to ensure workers do not contact treated soil or drench mixture.</p>
Potatoes	Silverleaf Whitefly, including type B	14 mL/100 metres of row (Mix with water, using 1.5-3.0 L of spray mixture per 100 m of row)		<p><b>Furrow spray at planting</b></p> <p>Apply as part of the planting process to the open furrow as a narrow spray band (100-150 m wide) centered in the plant row at seed level. If seed piece breakdown is considered to be a risk e.g. in hot sandy soils, avoid wetting the seed during application of Couraze Classic®.</p> <p><b>DO NOT</b> leave Couraze Classic® exposed to sunlight. Sprayed soil should be covered immediately. After the planting operation, the treated layer of soil should be at least 100 mm below the soil surface.</p>
	Green Peach Aphid	9 mL/100 metres of row (Mix with water, using 1.5-3.0 L of spray mixture per 100 m of row)		

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
Apples	Woolly Aphid	<b>Chemical control</b> 3.5 mL/1 L of water/tree		For trees up to 7 years of age. For application method, see General Instructions. If aerial colonies are present at application, maximum effectiveness may not be achieved until the following season. <b>DO NOT</b> treat more than once in any 2 year period.
		<b>Beneficial insect plus chemical control</b> (eg <i>Aphelinus mali</i> plus Couraze Classic® Insecticide) 1.75 mL/1 L of water/tree		
Citrus	Black Citrus Aphid, Citrus Leafminer, Pink Wax Scale, Red Scale	9 mL/tree  Apply as a soil drench^  OR via microsprinkler^ or drip irrigation^.	20 weeks (H)	^ Refer to Application directions under GENERAL INSTRUCTIONS for detailed information on application methods. Application via microsprinkler and drip application methods will give best results when used in conjunction with other control methods such as the release of beneficial species (e.g. parasitic wasps).  Treatment is only recommended for trees of up to 4 m in height.  <b>Citrus Leafminer, Black Citrus Aphid:</b> Apply Couraze Classic® in late spring after main flowering has finished (October to December) prior to the summer or autumn flush. Apply prior to pest establishment or at the first signs of pest infestation.  <b>Red Scale, Pink Wax Scale:</b> Monitor crop throughout late spring to early summer (October to December). If scale is observed, apply Couraze Classic® after main flowering has finished and prior to or at the onset of crawler emergence.  <b>Multiple flowering and/or overlapping cropping:</b> Where extended flowering and/or multiple flowering periods occur e.g. lemons and limes, or if the previous seasons crop is still hanging on the tree during or at the end of a new season's flowering (overlapping cropping) e.g. Valencia oranges, Couraze Classic® should only be applied: <ul style="list-style-type: none"> <li>• when there is a minimum of 20 weeks to the next harvest and,</li> <li>• according to the timing for specific pests described above and,</li> <li>• after the previous crop has been harvested or stripped and,</li> <li>• when the main flowering period has finished.</li> </ul> <b>DO NOT apply more than once per season.</b>

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
<b>Citrus (non-bearing only)</b>	Citrus Leafminer	6 mL/tree Apply as a soil drench^ OR via drip irrigation^	20 weeks (H)	^Refer to Application directions under GENERAL INSTRUCTIONS for detailed information on application. For application by drip, the emitters should be in close proximity to the base of the tree, to maximise contact with the root system and to minimise the opportunity for breakdown of Couraze Classic® by UV exposure, otherwise Couraze Classic® uptake and hence leafminer control may be reduced. Treatment is only recommended for vegetative (non-bearing) trees.  Apply Couraze Classic® between late spring to late summer (October to February) prior to a leafminer susceptible growth flush. Apply prior to pest establishment or at the first signs of pest infestation. <b>If longer residual control is desired then follow the recommendation above for the use of the product on citrus at the 9 mL/tree rate.</b>  <b>DO NOT</b> leave Couraze Classic® exposed to sunlight.  <b>DO NOT</b> apply more than once per season.

#### Ornamentals

CROP	PEST	RATE	CRITICAL COMMENTS
<b>Azaleas in pots</b>	Azalea Lace Bug	2 mL/250 mL water/pot	Use as a soil drench for pots up to 20 L capacity.
<b>Ornamentals in pots</b>	Scarab Beetle Larvae	2 mL/5 L water/pot	Use as a soil drench. 5 L of mixture will treat twenty 6 L pots.
<b>Roses</b>	Aphids	2 mL/2 L water/plant	Use as a soil drench by pouring mixture evenly around drip zone. Use this rate for plants up to 1 m high. For each additional metre of plant height, add 1 mL extra of Couraze Classic® Insecticide to the 2 L of water.

For soil drench treatments, remove mulch and dead vegetation, and moisten the soil surface first. Apply the Couraze Classic® Insecticide mixture, and then water it in well immediately after application.

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

#### WITHHOLDING PERIODS

##### Foliar applications

APPLES: NOT REQUIRED WHEN USED AS DIRECTED.

COTTON: **DO NOT** HARVEST FOR 13 WEEKS AFTER APPLICATION.

COTTON: **DO NOT** GRAZE OR CUT FOR STOCK FOOD.

CUCURBITS: **DO NOT** HARVEST FOR 1 DAY AFTER APPLICATION.

TOMATOES: **DO NOT** HARVEST FOR 3 DAYS AFTER APPLICATION.

BRASSICAS, CAPSICUM, EGGPLANT, POTATOES, SWEET POTATOES: **DO NOT** HARVEST FOR 7 DAYS AFTER APPLICATION.

STONE FRUIT: **DO NOT** HARVEST FOR 21 DAYS AFTER APPLICATION.

##### Soil applications

##### Harvest (H):

CITRUS: **DO NOT** HARVEST FOR 20 WEEKS AFTER APPLICATION.

SUGARCANE: **DO NOT** HARVEST FOR 21 WEEKS AFTER APPLICATION.

ALL OTHER CROPS: NOT REQUIRED WHEN USED AS DIRECTED.

##### Grazing (G):

SUGARCANE: **DO NOT** GRAZE OR CUT FOR STOCKFEED FOR 21 WEEKS AFTER APPLICATION.

#### EXPORT OF TREATED PRODUCE

Growers should note that MRLs or import tolerances do not exist in all markets for produce treated with Couraze Classic®. If you are growing produce for export, please check with FMC for the latest information on MRLs and import tolerances before using Couraze Classic®.

## **NOTICE TO BUYER**

To the extent permitted by the Competition and Consumer Act (2010) or any relevant legislation of any State or Territory (the "Legislation") all conditions and warranties and statutory or other rights of action, whether arising in contract or tort or whether due to the negligence of FMC or Seller, which buyer or any other user may have against FMC or Seller are hereby excluded provided however that any rights of the buyer pursuant to non-excludable conditions or warranties of the Legislation are expressly preserved. FMC hereby gives notice to buyer and other users that to the extent permitted by the Legislation it will not accept responsibility for any indirect or consequential loss of whatsoever nature arising from the storage, handling or use of this product. Where permitted by the Legislation FMC's liability shall in all circumstances be limited to the replacement of the product, or a refund of the purchase price paid therefor.

The product must be used and applied strictly in accordance with the label instructions and other directions for use. It is impossible to eliminate all risks associated with the use of this product. Such risks may arise from factors such as weather conditions, soil factors, off target movement, unconventional technique, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of FMC or the Seller. Buyer accepts these risks.

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