

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

PIRIMOR[®]WG

APHICIDE

Active Constituent: 500 g/kg PIRIMICARB
(an anticholinesterase compound)

For control of certain aphids on crops and pastures as per Directions for Use table.

GROUP 1A INSECTICIDE

NRA Approval No: 49835/0403

Pack size: 1 kg, 5 kg



UN NO. 2757 CARBAMATE PESTICIDES, SOLID, TOXIC, N.O.S. (CONTAINS PIRIMICARB) MARINE POLLUTANT PACKING GROUP III HAZCHEM 2X

GENERAL INSTRUCTIONS

Insecticide Resistance Warning

For insecticide resistance management PIRIMOR WG Aphicide is a Group 1A insecticide.

Some naturally occurring insect biotypes resistant to PIRIMOR WG Aphicide and other Group 1A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if PIRIMOR WG Aphicide or other Group 1A insecticides are used repeatedly. The effectiveness of PIRIMOR WG Aphicide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Syngenta Crop Protection Pty Limited accepts no liability for any losses that may result from the failure of PIRIMOR WG Aphicide to control insects.

PIRIMOR WG Aphicide may be subject to specific resistance management strategies. For further information contact your local supplier, Syngenta Crop Protection representative or local agricultural department agronomist.

Resistance Management for Green Peach Aphid control

Some Green Peach Aphids are resistant to all commonly used insecticides including PIRIMOR. If resistance is known or suspected, DO NOT use PIRIMOR and seek advice on resistance management. If there is no PIRIMOR resistance, use a maximum of 2 non-consecutive aphid sprays per season. If PIRIMOR was used as the last aphid spray for the season, DO NOT use it as the first aphid spray next season.

Mixing

Fill tank 50 to 75% full then start agitation. Slowly pour granules into tank and maintain agitation throughout spraying. DO NOT pre-mix PIRIMOR granules.

Application

If this product is applied when the temperature is less than 15°C it is essential to have thorough spray coverage for quick and total aphid control.

Fruit Crops - Tree and Vine Crops

Dilute Spraying:

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 also need to be changed, as the crop grows.

Concentrate Spraying:

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: $3 \times$ (ie $1500 \text{ L} \div 500 \text{ L} = 3$)
4. If the dilute label rate is 10 mL / 100 L, then the concentrate rate becomes 3×10 , that is 30 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 change as the crop grows. For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and following industry Best Practices.

Compatibility

PIRIMOR may be mixed in the spray vat with any one of the following products: Agral* and Omite*. A mixture of PIRIMOR with more than one of these products or with any other product may be ineffective or may cause serious damage. The use of such a mixture is not recommended and would therefore be entirely at the user's risk.

PROTECTION OF LIVESTOCK

Animals and poultry should be kept away from orchards and other treated areas during the horticultural spraying season. Keep animals and poultry away from spray and treated areas for a minimum of 3 days.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

DO NOT apply under meteorological conditions (eg crosswinds less than 3 km/hr) or from spraying equipment which could be expected to cause spray to drift onto adjacent areas, particularly wetlands, waterbodies or watercourses.

STORAGE AND DISPOSAL

(1 kg)

Store in the closed, original container in a dry, well ventilated area, as cool as possible out of direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers.

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

(5 kg)

Store in the closed, original container in a dry, well-ventilated area, as cool as possible out of direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers.

Single rinse before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. Puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Product is poisonous if absorbed by skin contact, inhaled or swallowed. Repeated minor exposure may have a cumulative poisoning effect.

When Mixing and Using

Avoid contact with eyes and skin. DO NOT inhale dust or spray mist. Obtain an emergency supply of atropine tablets 0.6 mg. When opening the container, preparing spray and using the prepared spray wear:

- cotton overalls buttoned to the neck and wrist or equivalent clothing;
- elbow-length PVC gloves; and
- face shield or goggles.

If product on skin, immediately wash area with soap and water.

After Use

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126. If swallowed, give one atropine tablet every 5 minutes until dryness of the mouth occurs – if poisoned by skin absorption or through lungs, remove any contaminated clothing, wash skin thoroughly and give atropine tablets as above. Get to a doctor or hospital quickly.

MATERIAL SAFETY DATA SHEET

If additional hazard information is required refer to the Material Safety Data Sheet. For a copy phone 1800 067 108 or visit our website at www.syngenta.com.au

Note: A varying degree of consolidation of the contents of this container may occur during transit but the net weight of the contents is not changed and is as stated on the label.

MANUFACTURER'S WARRANTY AND EXCLUSION OF LIABILITY

Syngenta has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly and in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. Syngenta accepts no liability for any loss or damage arising from incorrect storage, handling or use.

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* Registered trademarks.

DIRECTIONS FOR USE

Restraint: DO NOT apply from the air when the crosswind is less than 3 km/hr.

Rate		Critical Comments				
In the following table: "Fruit Crops - Tree and Vine Crops" all rates given are for dilute spraying. For concentrate spraying, refer to the Mixing / Application Section.		For all uses in the table "Fruit Crops - Tree and Vine Crops": Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods.				
FRUIT CROPS - TREES AND VINE CROPS						
Crop	Pest	State	Rate		WHP	Critical Comments
			Per 100 L	Per ha		
Apples	Woolly Aphid	NSW, Vic, Tas, SA, WA only	50 g	1.1 to 1.7 kg	2 days	Use the higher rate when less than 2200 L of spray per ha. Add 18 mL Agral per 100 L
Citrus	Citrus Aphid	NSW, Vic, Tas, SA, WA only	50 g	1.1 kg	2 days	Apply when aphids appear. Use at least 2200 L spray per ha.
	Aphids	Qld, WA only	2.5 g	—		Apply only where pest management is being implemented and only when it is apparent that parasite predators will not control the infestation within a reasonable time.
Stone Fruit	Green Peach Aphid Black Peach Aphid Cherry Aphid	All States	50 g	1.1 kg		Apply at pink bud or when aphids appear. Use at least 1100 L spray/ha.
FRUIT CROPS - NON TREE AND VINE CROPS						
Blueberries	Aphids	Qld, WA only	50 g	—	2 days	—
Pepinos		Qld, NSW, WA only	35 g	—		
Strawberries						
VEGETABLES						
Artichokes (globe)	Aphids	All States	50 g	—	2 days	—
Asparagus			—	1 kg		
Beetroot	Green Peach Aphid					Use at least 500 L spray/ha plus 18 mL/100 L Agral.
Beans	Cowpea Aphid (<i>Aphis craccivora</i>)	Vic, Tas, WA only	—	500 g		Apply as beans emerge and thereafter whilst aphid attack continues. Spray thoroughly.
Broad Beans	Aphids	All States	50 g	—		
Lima Beans						
Broccoli Brussels Sprouts Cabbages Cauliflowers	Cabbage Aphid	All States	100 to 200 g	500 g or 1 kg		Apply every 10 to 14 days commencing 1 week after planting. Use 500 L spray per ha. Add 18 mL Agral per 100 L. If lower spray volumes per ha are used, increase the rate per 100 L to maintain the equivalent rate of product per ha. Use the higher rate if temperature falls below 20°C.
Brussels Sprouts Cabbages Cauliflowers	Green Peach Aphid					
Chinese Cabbages	Cabbage Aphid Green Peach Aphid					

(continued)

DIRECTIONS FOR USE – *continued*

Crop	Pest	State	Rate		WHP	Critical Comments
			Per 100 L	Per ha		
Capsicums	Aphids	All States	100 to 200 g	500 g to 1 kg	2 days	Spray when aphids are detected and repeat if necessary. Use the higher rates if applied in conditions below 20°C.
Cucurbits						Apply every 5 to 10 days during periods of rapid plant growth to delay virus buildup. Use the higher rates if applied in conditions below 20°C.
Endive Garden Cress			50 g	—		—
Kale	Cabbage Aphid Green Peach Aphid		100 to 200 g	500 g to 1 kg		Apply every 10 to 14 days commencing 1 week after planting. Use 500 litres spray per ha. Add 18 mL Agral per 100 L. If lower spray volumes per ha are used, increase the rate per 100 L to maintain the equivalent rate of product per ha. Use the higher rate if temperature falls below 20°C.
Kiwano			Aphids			
Leeks			50 g	—		—
Lettuce			100 to 200 g	500 g to 1 kg		Spray when aphids are detected and repeat if necessary. Use the higher rates if applied in conditions below 20°C.
Okra			50 g	—		For use in IPM programmes where Helicoverpa resistance strategy is being practised.
Peas			100 to 200 g	500 g to 1 kg		—
		NSW only				Spray when aphids are detected and repeat if necessary. Use the higher rates if applied in conditions below 20°C.
Potatoes	Potato Aphid	All States	250 to 500 g	500 g or 1 kg		Apply in 200 L spray per ha when aphids first appear. If higher spray volumes per ha are used, decrease the rate per 100 L to maintain the equivalent rate of product per ha. Use the higher rate if temperature falls below 20°C.
Radishes	Cabbage Aphid Green Peach Aphid		100 to 200 g	500 g to 1 kg		Apply every 10 to 14 days commencing 1 week after planting. Use 500 L spray per ha. Add 18 mL Agral per 100 L. If lower spray volumes per ha are used, increase the rate per 100 L to maintain the equivalent rate of product per ha. Use the higher rate if temperature falls below 20°C.
Shallots Spinach			Aphids	50 g		—
Swedes Turnips	Cabbage Aphid Green Peach Aphid		100 to 200 g	500 g to 1 kg		Apply every 10 to 14 days commencing 1 week after planting. Use 500 L spray per ha. Add 18 mL Agral per 100 L. If lower spray volumes per ha are used, increase the rate per 100 L to maintain the equivalent rate of product per ha. Use the higher rate if temperature falls below 20°C.

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DIRECTIONS FOR USE – continued

Crop	Pest	State	Rate		WHP	Critical Comments
			Per 100 L	Per ha		
Tomatoes	Aphids	All States	100 to 200 g	500 g to 1 kg	2 days	Spray when aphids are detected and repeat if necessary. Use the higher rates if applied in conditions below 20°C.
Watercress	Aphids		50 g	—		
ORNAMENTALS						
Roses Chrysanthemums	Rose Aphid Chrysanthemum Aphid	All States	50 g	8 g/15 L knapsack	—	Apply when aphids appear. Spray to give complete coverage of plants.
Ornamentals	Aphids	NSW, WA only		—	—	
			Qld, WA only	35 g	—	—
BROADACRE CROPS						
Canola	Cabbage Aphid (<i>Brevicoryne brassicae</i>) Green Peach Aphid (<i>Myzus persicae</i>)	All States	—	500 g or 1 kg	14 days harvesting/ grazing	Apply when aphids first appear using 30 to 100 L water/ha (ground rig) or 20 to 50 L/ha (aerial). Use higher rate if temperature falls below 20°C. Add 18 mL AGRAL per 100 L spray.
Cotton	Cotton Aphid (<i>Aphis gossypii</i>) Green Peach Aphid (<i>Myzus persicae</i>)	NSW, Qld, WA only	—	500 g or 750 g Aerial Application Spray volume of 30 to 50 L/ha Ground Application Spray volume of 100 L/ha minimum	21 days harvest/ grazing	Thorough spray coverage is essential to produce best results. Stage I – apply when aphids exceed 90% plants infested. Stage II – apply when aphids exceed 95% plants infested. Stage III – apply when aphids exceed 50% plants infested, or – if 1% bolls are open and honeydew is present apply when aphids exceed 10% of plants infested. If a spray is required for another pest, the aphid threshold for each stage should be reduced by half to determine the need to spray for aphids; eg 50% becomes 25% plants infested. Use PIRIMOR WG no more than twice per season. Adhere to the resistance management strategy and rotate chemistry. DO NOT use PIRIMOR WG as consecutive sprays.

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DIRECTIONS FOR USE – *continued*

Crop	Pest	State	Rate		WHP	Critical Comments
			Per 100 L	Per ha		
Duboisia	Aphids	Qld, WA only	50 g	1.1 kg	—	Apply when populations warrant.
Lucerne Medic Pastures	Spotted Alfalfa Aphid Blue Green Aphid	All States	—	100 to 150 g in 200 to 300 L water	3 days grazing	<p>Application: High rate to be used when there is a high aphid population density or with dense crop growth. Complete coverage and penetration of the crop is essential.</p> <p>Timing: Queensland only – On seedling lucerne, treatment is necessary when one or two aphids are present per plant. Established lucerne and medics (spring and summer) – spray when there are 20 to 40 aphids per stem. Spotted alfalfa aphid (SA, NSW, WA and Tas. only): Apply when aphids begin to build up on stems and repeat as necessary. Spotted alfalfa aphid and pea aphid (Vic only). Seedling lucerne and medics – treat when 1 to 2 aphids per plant are present. Established lucerne and medics (spring and summer) – spray when there are 20 to 40 aphids per stem.</p> <p>Tasmania only – A cold weather adapted species which may be found at most times of the year. Spraying should be carried out when aphids begin to increase and be repeated as necessary. For the control of both the above lucerne and medic pasture pests PIRIMOR at the recommended rate should be applied in 200 to 300 L of water per ha. Complete coverage and penetration of the crop is essential.</p> <p>Blue Green Aphid This aphid is cooler weather tolerant and will be found at all times of the year. Spraying should be carried out as aphids are observed. In some areas Spotted Alfalfa Aphid has developed tolerance to pirimicarb and in those areas PIRIMOR will not give satisfactory control. However, apparent tolerance should not be confused with poor application. Consult your local Syngenta or Department of Agriculture representative for local information.</p>
Lucerne	Pea aphid	Vic, WA only	—	100 to 150 g	3 days grazing	Apply when aphids begin to build up on stems. Repeat as necessary. Use 200 to 300 L per ha. Use the higher rate when there is a high aphid population density or dense crop or when temperature falls below 20°C.

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DIRECTIONS FOR USE – *continued*

Crop	Pest	State	Rate		WHP	Critical Comments
			Per 100 L	Per ha		
Lupins	Green Peach Aphid	NSW, Vic, WA only	—	250 g	6 weeks harvest/ grazing	Apply when aphids first appear using 20 to 100 L/ha (ground rig) or 4 to 15 L/ha (aerial). Repeat as necessary. If low relative humidity conditions prevail add 1% or 10% Summer Spray Oil (DC-Tron or Caltex) to spray solution for ground and aerial application respectively. Note: For best coverage and hence best results with aerial application, apply when a slight crosswind with a minimum speed of 3 km/hr is present.
	Cowpea Aphid					
	Green Peach Aphid	WA only		300 g		
Winter Cereals	Aphids (<i>Rhopalosiphum maidis</i>)	All States	—	150 g	6 weeks harvest/ grazing	Apply when 20 or more aphids are present per tiller and when the crop is between emergence of last leaf and flowering stages. Use 20 to 100 L/ha (ground rig) or 4 to 15 L/ha (aerial). If low relative humidity conditions prevail add Summer Spray Oil as for lupins. Where there is concern for infection by barley yellow dwarf virus, spraying should be carried out as soon as aphids are located in the crop.
	Aphids (<i>R. maidis</i> , <i>R. padi</i>)	WA only		250 to 300 g		

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

WITHHOLDING PERIODS:	
<i>Fruit, Vegetables:</i>	DO NOT HARVEST FOR 2 DAYS AFTER APPLICATION.
<i>Canola:</i>	DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION.
<i>Cotton:</i>	DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 21 DAYS AFTER APPLICATION.
<i>Lucerne, Medic Pastures:</i>	DO NOT GRAZE, CUT FOR STOCKFOOD OR FEED TO POULTRY FOR 3 DAYS AFTER APPLICATION.
<i>Lupins, Winter Cereals:</i>	DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER APPLICATION.