

POISON

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

Farmoz

Aphidex 500

WETTABLE POWDER APHICIDE

ACTIVE CONSTITUENT: 500 g/kg PIRIMICARB
(an Anticholinesterase compound)

GROUP **1A** INSECTICIDE

*For the control of certain Aphids on crops and pastures
as specified in the Directions for Use table.*

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DIRECTIONS FOR USE:

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

1. TREE AND VINE CROPS

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 Mixing/Application section.					For all uses in this 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.	
CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			Per 100 L	Per ha		
Apples	Woolly Aphid	Vic, Tas, SA, WA, NSW, ACT only	50 g	1.1-1.7 kg	2 days (H)	Use the higher rate when less than 2200 litres of spray per ha. Add 18 mL Wetspray 600 per 100 litres.
Citrus	Citrus Aphid	Vic, Tas, SA, WA, NSW, ACT only	50 g	1.1 kg	2 days (H)	Apply when aphids appear. Use at least 2200 litres 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	Black Peach Aphid, Green Peach Aphid, Cherry Aphids	All States	50 g	1.1 kg	2 days (H)	Apply at pink bud or when aphids appear. Use at least 1100 L spray/ha.

2. FRUIT CROPS – NON TREE AND VINE CROPS

CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			Per 100 L	Per ha		
Blueberries	Aphids	Qld, WA only	50 g	–	2 days (H)	–
Pepinos	Aphids	Qld, WA only	50 g	–	2 days (H)	–
Strawberries	Aphids	Qld, WA, NSW, ACT only	35 g	–	2 days (H)	Thorough coverage is necessary. If used in conjunction with predatory mites, apply before release or only after mites have fully established within the crop.

3. VEGETABLES

CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			Per 100 L	Per ha		
Artichokes (globe)	Aphids	All States	50 g	–	2 days (H)	–
Asparagus	Aphids	All States	50 g	–	2 days (H)	–
Beetroot	Green Peach Aphid	All States	–	1 kg	2 days (H)	Use at least 500 L spray/ha plus 18 mL/100 L Wetspray 600.
Beans	Cowpea aphid (<i>Aphid craccivora</i>)	Vic, WA, Tas only	–	500 g	2 days (H)	Apply as beans emerge and thereafter whilst Aphid attack continues. Spray thoroughly.
Broad beans, Lima beans	Aphids	All States	50 g	–	2 days (H)	
Broccoli	Cabbage Aphid	All States	100-200 g	500 g or 1 kg	2 days (H)	Apply every 10-14 days commencing 1 week after planting. Use 500 litres spray per ha. Add 18 mL Wetspray 600 per 100 litres. 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.
	Green Peach Aphid	Qld, WA only	100-200 g	500 g or 1 kg	2 days (H)	
Brussels sprouts, Cabbages, Cauliflowers	Cabbage Aphid, Green Peach Aphid	All States	100-200 g	500 g or 1 kg	2 days (H)	
Chinese cabbages	Cabbage Aphid, Green Peach Aphid	All States	100-200 g	500 g or 1 kg	2 days (H)	
Capsicums	Aphids	All States	100-200 g	500 g or 1 kg	2 days (H)	Spray where Aphids are detected and repeat as necessary. Use the higher rates if applied in conditions below 20°C.
Cucurbits	Aphids	All States	100-200 g	500 g or 1 kg	2 days (H)	Apply every 5-10 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	Aphids	All States	50 g	–	2 days (H)	–
Honeydew melon, Rockmelons, Watermelons	Aphids	Qld only	100-200 g	500 g-1 kg	2 days (H)	Apply every 5-10 days during periods of rapid plant growth to delay virus buildup.
Kale	Cabbage Aphid, Green Peach Aphid	All States	100-200 g	500 g-1 kg	2 days (H)	Apply every 10-14 days commencing 1 week after planting. Use 500 litres spray per ha. Add 18 mL Wetspray 600 per 100 litres. 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 temperatures falls below 20°C.
Kiwano	Aphids	All States	100-200 g	500 g-1 kg	2 days (H)	Apply every 5-10 days during periods of rapid plant growth to delay virus buildup.
Leeks	Aphids	All States	50 g	–	2 days (H)	–
Lettuce	Aphids	All States	100-200 g	500 g-1 kg	2 days (H)	Spray when aphids are detected and repeat if necessary. Use the higher rates if applied in conditions below 20°C.
Okra	Aphids	All States	50 g	–	2 days (H)	For use in IPM programmes where Helicoverpa resistance strategy is being practiced.
Peas	Aphids	All States	100-200 g	500 g-1 kg	2 days (H)	–
		NSW only				Spray when aphids are detected and repeat if necessary. Use the higher rate if applied in conditions below 20°C.
Potatoes	Potato Aphid	All States	250-500 g	500 g or 1 kg	2 days (H)	Apply in 200 litres spray per ha when aphids first appear. If higher spray volumes per ha are used, decrease the rate per 100 litres to maintain the equivalent rate of product per ha. Use the higher rate if temperature falls below 20°C.
Potkins, Pumpkins, Squash	Aphids	All States	100-200 g	500 g-1 kg	2 days (H)	Apply every 5-10 days during periods of rapid plant growth to delay virus buildup.
Radishes	Cabbage Aphid, Green Peach Aphid	All States	100-200 g	500 g-1 kg	2 days (H)	Apply every 10-14 days commencing 1 week after planting. Use 500 litres spray per ha. Add 18 mL Wetspray 600 per 100 litres. 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, Silverbeet Spinach	Aphids	All States	50 g	–	2 days (H)	–

3. VEGETABLES – continued

CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			Per 100 L	Per ha		
Swedes, Turnips	Cabbage Aphid, Green Peach Aphid	All States	100-200 g	500 g-1 kg	2 days (H)	Apply every 10-14 days commencing 1 week after planting. Use 500 litres spray per ha. Add 18 mL Wetspray 600 per 100 litres. 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.
Tomatoes	Aphids	All States	100-200 g	500 g-1 kg	2 days (H)	Spray when Aphids are detected and repeat if necessary. Use the higher rates if applied in conditions below 20°C.
Watercress	Aphids	All States	50 g	–	2 days (H)	–

4. ORNAMENTALS

CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			Per 100 L	Per ha		
Rose, 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, ACT, WA only	50 g	–	–	Apply when Aphids appear. Spray to give complete coverage of plants. If applied in conjunction with predatory mites (<i>Phytoseiulus persimilis</i>) apply before release or only after mites have become fully established. DO NOT apply more than two (2) sprays in quick succession where IPM is practiced. Where roses are grown in dense hedges and IPM is used, spray on the upper half of the hedge where the aphids are attacking the buds. Allow the lower half of the hedge to serve as a refuge for <i>P. persimilis</i> . In such situations pirimicarb should NOT be mixed with a fungicide which requires very careful coverage. NOTE: Because of the wide range of crops and pests encompassed under Ornamentals, the phytotoxicity and efficacy of this compound cannot be guaranteed under all uses. Test the chemical for phytotoxicity on a small area of crop before widespread usage.
		Qld, WA only	35 g	–		

5. BROADACRE CROPS

CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			Per 100 L	Per ha		
Canola	Cabbage Aphid (<i>Brevicoryne brassicae</i>), Green Peach Aphid (<i>Myzus persicae</i>)	All States	–	500 g or 1 kg	14 days (H) 14 days (G)	Apply when aphids first appear using 30-100 L water/ha (ground rig) or 20-25 L/ha (aerial). Use higher rate if temperature falls below 20°C. Add 18 mL Wetspray 600 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 30-50 L/ha Ground Application Spray volume of 100 L/ha minimum	21 days (H) 21 days (G)	Thorough spray coverage is essential to produce best results. Stage 1: Apply when Aphids exceed 90% plants infested. Stage 2: Apply when Aphids exceed 95% infested. Stage 3: Apply when Aphids exceed 50% 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 phase should be reduced by half to determine the need to spray for aphids; eg. 50% becomes 25% plants infested. Use APHIDEX 500 no more than twice per season. Adhere to the resistance management strategy and rotate chemistry. DO NOT use APHIDEX 500 as consecutive sprays.
Duboisia	Aphids	Qld, WA only	50 g	1.1 kg	–	Apply when population warrants.

5. BROADACRE CROPS – continued

CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			Per 100 L	Per ha		
Lucerne, Medic pastures	Spotted Alfalfa Aphid, Blue Green Aphid	All States	–	100-150 g in 200-300 L water	3 days (G)	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. TIMING (Qld 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 20-40 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 1-2 Aphids per plant are present. Established lucerne and medics (Spring and Summer) - spray when there are 20-40 Aphids per stem. Tas 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 APHIDEX at the recommended rate should be applied in 200-300 litres of water per ha. Complete coverage and penetration of the crop is essential. 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 APHIDEX will not give satisfactory control. However, apparent tolerance should not be confused with poor application. Consult your local FARMOZ or Department of Agriculture representative for local information.
Lucerne	Pea Aphid	Vic, WA only	–	100-150 g	3 days (G)	Apply when Aphids begin to build up on stems. Repeat as necessary. Use 200-300 litres per ha. Use the higher rate when there is a high aphid population density or dense crop or when temperature falls below 20°C.
Lupins	Green Peach Aphid	NSW, ACT, Vic only	–	250 g	6 weeks (H) 6 weeks (G)	Apply when aphids first appear using 20-100 L/ha (ground rig) or 4-15 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	NSW, ACT, WA, Vic only	–			
	Green Peach Aphid	WA only	–	300 g	Apply when Aphids first appear. Good coverage of the infested area is essential. Apply in 30-100 L/ha for aerial application. Repeat as necessary. If low relative humidity conditions prevail add Summer Spray Oil to the mix.	
Winter Cereals	Aphids (<i>Rhopalosiphum maidis</i>)	All States	–	150 g	6 weeks (H) 6 weeks (G)	Apply when 20 or more aphids are present per tiller and when the crop is between emergence of last leaf and flowering stages. Use 20-100 L/ha (ground rig) or 4-15 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.paddi</i>)	WA only	–	250 -300 g		

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

WITHHOLDING PERIOD:

FRUIT AND VEGETABLES:

CANOLA:

COTTON:

LUCERNE AND MEDIC PASTURES:

LUPINS, WINTER CEREALS:

DO NOT HARVEST FOR 2 DAYS AFTER APPLICATION

DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 14 DAYS AFTER APPLICATION

DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 21 DAYS AFTER APPLICATION

DO NOT GRAZE OR CUT FOR STOCK FOOD OR FEED TO POULTRY FOR 3 DAYS AFTER APPLICATION

DO NOT GRAZE OR CUT FOR STOCK FOOD OR FEED TO POULTRY FOR 6 WEEKS AFTER APPLICATION



GENERAL INSTRUCTIONS

RESISTANT WEEDS WARNING

For insecticide resistance management FARMOZ APHIDEX 500 Wettable Powder **GROUP 1A INSECTICIDE** Aphicide is a Group 1A insecticide. Some naturally occurring insect biotypes resistant to APHIDEX 500 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 APHIDEX 500 or other Group 1A insecticides are used repeatedly. The effectiveness of APHIDEX 500 on resistant individuals could be significantly reduced.

Since occurrence of resistant individuals is difficult to detect prior to use FARMOZ Pty. Ltd. accepts no liability for any losses that may result from the failure of APHIDEX 500 to control insects.

FARMOZ Pty. Ltd. Aphicide may be subject to specific resistance management strategies. For further information contact your local supplier, FARMOZ representative or local agricultural department argonomist.

RESISTANCE MANAGEMENT FOR GREEN PEACH APHID CONTROL:

Some Green Peach Aphids are resistant to all commonly used insecticides including APHIDEX 500. If resistance is known or suspected, do not use APHIDEX 500 and seek advice on resistance management. If there is no APHIDEX 500 resistance, use a maximum of 2 non-consecutive aphid sprays per season. If APHIDEX 500 was used as the last aphid spray for the season, do not use it as the first aphid spray next season.

MIXING

APHIDEX 500 is a wettable powder formulation packed in water soluble packaging. The water soluble bags dissolve easily in water. DO NOT excessively handle water soluble bags or expose to moisture. DO NOT touch bags with wet hands. Return unused bags to primary pack.

For mixing adhere to the following recommendations:

1. Partially fill the spray tank with water.
2. Throw in the required number of water soluble bags.
3. Ensure agitation system is fully engaged. Ensure bag does not enter filter system.
4. Top up with correct volume of water. Bag should be completely dissolved before spraying commences. Continue agitation to ensure APHIDEX 500 is in suspension during spraying.
5. DO NOT store prepared spray solution when spray solutions have been allowed to stand in the spray tank thoroughly re-agitate before using.

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.

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 the 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 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:
 $3x$ (ie $1500 L \div 500 L = 3$).

**PACK SIZES: 1 kg CARTON 2 x 500 g WATER SOLUBLE MEASURE PACKS
7.5 kg CARTON 15 x 500 g WATER SOLUBLE MEASURE PACKS**

4. If the dilute label rate is 10 mL/100 L, then the concentrate rate becomes 3x10, that is 30 mL/100 L of concentrate spraying.

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.

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

COMPATIBILITY

APHIDEX 500 may be mixed in the spray vat with Wetspray 600.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment, that may cause spray or drift onto nearby susceptible plants/crops, cropping lands or pastures.

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 dams, waterways or drains with this product or used containers.

STORAGE AND DISPOSAL

Store in the closed original container in a cool, dry, well-ventilated area out of direct sunlight. The product is stable for minimum two (2) years if stored as indicated above.

Dispose of empty carton by crushing. Bury the carton at a depth of 500 mm or more at a safe disposal site away from desirable plants and their roots or take it to a dump that does not burn its refuse. DO NOT burn empty carton or product.

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, 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 and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre on 131126. **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.

MSDS

Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for APHIDEX 500 is available from FARMOZ on request. Call Customer Service on (02) 9431 7800.

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.

CONDITIONS OF SALE: The use of FARMOZ APHIDEX 500 Wettable Powder Aphicide being beyond the control of the manufacturer, no warranty expressed or implied is given by FARMOZ Pty. Ltd., regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and FARMOZ Pty. Ltd. accepts no responsibility for any consequence whatsoever from the use of this product.

NOT A DANGEROUS GOOD ACCORDING TO THE AUSTRALIAN DANGEROUS GOODS (ADG) CODE.