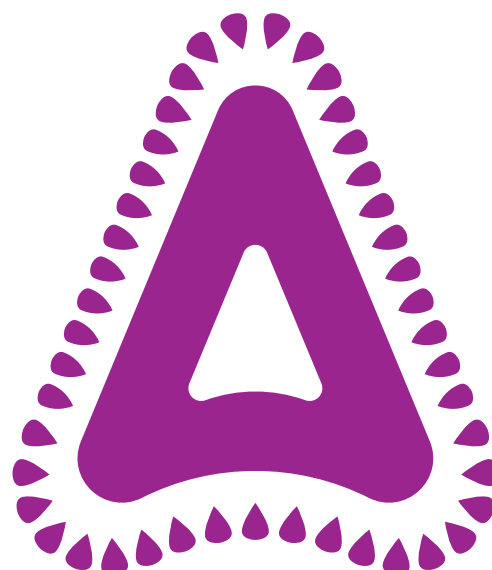


POISON
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Aphidex[®] WG

Aphicide



ADAMA
 ESSENTIALS

ACTIVE CONSTITUENT: 500 g/kg PIRIMICARB
 (an anti-cholinesterase compound)

GROUP 1A INSECTICIDE

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

adama.com

CONTENTS: 1 kg, 5 kg

DIRECTIONS FOR USE:

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

1. FRUIT CROPS – 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. | | | | | | |
| CROP | PEST | STATE | RATE | | | |
| | | | Per 100 L | Per ha | | |
| Apples | Woolly Aphid | NSW, ACT, Vic, Tas, SA, WA, only | 50 g | 1.1-1.7 kg | 2 days | Use the higher rate when less than 2200 L of spray per ha. Add 18 mL Wetspray 600 per 100 L. |
| Citrus | Citrus Aphid | NSW, ACT, Vic, Tas, SA, WA, only | 50 g | 1.1 kg | | 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 | Black Peach Aphid, Green 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. |

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 | Thorough coverage is necessary. If used in conjunction with predatory mites, apply before release or only after mites have fully established within the crop. |
| Pepinos | | | | | | |
| Stone Fruit | | Qld, NSW, ACT, WA, only | 35 g | | | |

3. VEGETABLES

| CROP | PEST | STATE | RATE | | WHP | CRITICAL COMMENTS | |
|---|--|-------------------|-------------|---------------|-------------|--|---|
| | | | Per 100 L | Per ha | | | |
| Artichokes (globe) | Aphids | All States | 50 g | – | 2 days | – | |
| Asparagus | | | | | | | |
| Beetroot | Green Peach Aphid | | – | 1 kg | | Use at least 500 L spray/ha plus 18 mL/100 L Wetspray 600. | |
| 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, Lima beans | Aphids | All States | 50 g | – | | | |
| Broccoli, Brussel Sprouts, Cabbages, Cauliflowers | Cabbage Aphid | | 100- 200 g | 500 g or 1 kg | | Apply every 10-14 days commencing 1 week after planting. Use 500 L spray per ha. Add 18 mL Wetspray 600 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. | |
| Brussel Sprouts, Cabbages, Cauliflowers | Green Peach Aphid | | 500 g -1 kg | | | | |
| Chinese cabbages | Cabbage Aphid, Green Peach Aphid | | | | | | |
| Capsicums | Aphids | | | | | Spray when aphids are detected and repeat as necessary. Use the higher rates if applied in conditions below 20°C. | |
| Cucurbits | | | | | | 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 | | | | 50 g | – | | – |
| Kale | Cabbage Aphid, Green Peach Aphid | | | 100- 200 g | 500 g -1 kg | | Apply every 10-14 days commencing 1 week after planting. Use 500 L spray per ha. Add 18 mL Wetspray 600 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 temperatures falls below 20°C. |
| Kiwano | Aphids | | | | | | Apply every 5-10 days during periods of rapid plant growth to delay virus buildup. |
| Leeks | | | | 50 g | – | | – |
| Lettuce | | | 100- 200 g | 500 g -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 <i>Helicoverpa</i> resistance strategy is being practiced. | |
| Peas | | All States | 100- 200 g | 500 g -1 kg | | – | |
| | | 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 | | 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- 200 g | 500 g -1 kg | | Apply every 10-14 days commencing 1 week after planting. Use 500 L spray per ha. Add 18 mL Wetspray 600 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- 200 g | 500 g -1 kg | | Apply every 10-14 days commencing 1 week after planting. Use 500 L spray per ha. Add 18 mL Wetspray 600 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. | |
| Tomatoes | Aphids | | | | | Spray when aphids are detected and repeat if necessary. Use the higher rates if applied in conditions below 20°C. | |
| Watercress | Aphids | | 50 g | - | | - | |

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 | | – | | <p>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 APHIDEX WG should NOT be mixed with a fungicide which requires very careful coverage.</p> <p>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.</p> |
| | | 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 harvest/ grazing | Apply when aphids first appear using 30-100 L water/ha (ground rig) or 20-50 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 harvest/ grazing | <p>Thorough spray coverage is essential to produce best results.</p> <p>Stage 1: Apply when aphids exceed 90% of plants infested.</p> <p>Stage 2: Apply when aphids exceed 95% of plants infested.</p> <p>Stage 3: Apply when aphids exceed 50% of plants infested, or if 1% bolls are open and honeydew is present apply when aphids exceed 10% of plants infested.</p> <p>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% of plants infested.</p> <p>Use APHIDEX WG no more than twice per season. Adhere to the resistance management strategy and rotate chemistry.</p> <p>DO NOT use APHIDEX WG as consecutive sprays.</p> |
| Duboisia | Aphids | Qld, WA only | 50 g | 1.1 kg | – | Apply when population warrants. |
| Lucerne, Medic pastures | Spotted Alfalfa Aphid, Blue Green Aphid | All States | – | 100-150 g in 200-300 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 (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.</p> <p>Spotted Alfalfa Aphid (SA, NSW, WA and Tas only): Apply when aphids begin to build up on stems and repeat as necessary.</p> <p>Spotted Alfalfa Aphid and Pea Aphid (Vic only): Seedling lucerne and medics - treat when 1-2 aphids per plant are present.</p> <p>Established lucerne and medics (Spring and Summer) - spray when there are 20-40 aphids per stem.</p> |

continued overleaf

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 grazing | <i>from previous page</i> 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 WG at the recommended rate should be applied in 200-300 L 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 WG will not give satisfactory control. However, apparent tolerance should not be confused with poor application. Consult your local Adama or Department of Agriculture representative for local information. |
| Lucerne | Pea Aphid | Vic, WA only | | 100 - 150 g | 3 days grazing | Apply when aphids begin to build up on stems. Repeat as necessary. Use 200-300 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. |
| Lupins | Green Peach Aphid | NSW, ACT, Vic, WA only | | 250 g | 6 weeks harvest/ grazing | 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, Vic, WA 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 | | 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, 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 PERIODS:

FRUIT, VEGETABLES:

DO NOT HARVEST FOR 2 DAYS AFTER APPLICATION.

CANOLA:

DO NOT HARVEST, GRAZE OR CUT FOR STOCKFOOD FOR 14 DAYS AFTER APPLICATION.

COTTON:

DO NOT HARVEST, GRAZE OR CUT FOR STOCKFOOD FOR 21 DAYS AFTER APPLICATION.

LUCERNE, MEDIC PASTURES:

DO NOT HARVEST, GRAZE OR CUT FOR STOCKFOOD OR FEED TO POULTRY FOR 3 DAYS AFTER APPLICATION.

LUPINS, WINTER CEREALS:

DO NOT HARVEST, GRAZE OR CUT FOR STOCKFOOD OR FEED TO POULTRY FOR 6 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

MIXING

Fill tank 50 to 75% full then start agitation. Slowly pour granules into tank and maintain agitation throughout spraying.
DO NOT pre-mix APHIDEX WG 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 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 $1500 \text{ L} \div 500 \text{ L} = 3$).
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 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 WG may be mixed in the spray vat with any one of the following products: Wetspray® and Omite*. A mixture of APHIDEX WG 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.

RESISTANT WEEDS WARNING

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

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

APHIDEX WG may be subject to specific resistance management strategies. For further information contact your local supplier, Adama 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 APHIDEX WG. If resistance is known or suspected, do not use APHIDEX WG and seek advice on resistance management. If there is no APHIDEX WG resistance, use a maximum of 2 non-consecutive aphid sprays per season. If APHIDEX WG was used as the last aphid spray for the season, do not use it as the first aphid spray next season.

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 this product 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

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.

1kg: 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.

5kg: 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. 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 or goggles and contaminated clothing.

FIRST AID

If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone eg Australia 131126; New Zealand 0800 764 766) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. If swallowed, activated charcoal may be advised. Give atropine if instructed.

MATERIAL SAFETY DATA SHEET

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

CONDITIONS OF SALE: The use of APHIDEX WG Aphicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Adama Australia 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 Adama Australia Pty. Ltd. accepts no responsibility for any consequence whatsoever from the use of this product.

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UN 2757
CARBAMATE PESTICIDES,
SOLID, TOXIC, N.O.S.
(CONTAINS PIRIMICARB)
MARINE POLLUTANT
HAZCHEM CODE: 2X
PACKAGING GROUP: III



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APVMA Approval No: 61595/63161

Batch No.

Date of Manufacture