

POISON

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

ACTIVE CONSTITUENT:
500 g/kg Flonicamid

CONTENTS:
2 kg

GROUP **29** INSECTICIDE

WG FORMULATION TYPE
Water-dispersible
Granule

For the control of aphids and mealybug in apples, pears and nursery stock; for the control of aphids and silverleaf whitefly in cucurbits; for the control of aphids in potatoes; for the control of whitefly in tomatoes; for the control of aphids, whiteflies and green mirids in strawberries.

SAFETY DIRECTIONS

Will damage the eyes. Avoid contact with eyes. When opening the container, preparing the product for use and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126; New Zealand 0800 764 766.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet that can be obtained from ag.fmc.com/au/

GENERAL INSTRUCTIONS

MIXING

Add the required amount of Aria® 500 WG Insecticide to clean water in half filled spray tank with the agitator or by-pass in operation. Maintain agitation while filling tank with remainder of water. Agitation must also be maintained throughout the spray operation.

APPLICATION

To be effective Aria® 500 WG insecticide requires thorough spray coverage. Ensure that equipment is properly calibrated to give an even distribution at the correct volume. Thorough coverage of the target area is essential. Apply in sufficient water, and using suitable application parameters (nozzles, pressure, boom height, speed, etc) to ensure thorough and even coverage. Use only MEDIUM spray droplets. Adjust water volumes according to the crop growth stage.

Apples: The same quantity of Aria® 500 WG insecticide per hectare should be used when spraying by either the dilute or concentrate method.

Dilute spraying (Apples and Pears): 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 Aria® 500 WG insecticide specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off. If water volume exceeds 1000 L/ha, total rate of Aria® 500 WG insecticide must not exceed 200 g/ha. 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 (Apples): 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 runoff) and matched to the crop being sprayed. Apply a minimum of 500L water/ha. 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 1000 L/ha
2. Your chosen concentrate spray volume:
for example 500 L/ha
3. The concentrate factor in this example is 2X
(i.e. $1000\text{ L} \div 500\text{ L} = 2$)
4. If the dilute label rate is 14 g/100 L, then the concentrate rate becomes 2×14 , which is 28 g/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. For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

COMPATIBILITY

For information on the compatibility of Aria® 500 WG insecticide with other products, contact your local FMC representative.

PRECAUTION

Re-entry period

DO NOT enter treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and wrists (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

INSECTICIDE RESISTANCE WARNING

GROUP **29** INSECTICIDE

For insecticide resistance management, Aria® 500 WG insecticide is a Group 29 insecticide. Some naturally occurring insect biotypes resistant to Aria® 500 WG insecticide and other Group 29 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Aria® 500 WG insecticide and other Group 29 insecticides are used repeatedly. The effectiveness of Aria® 500 WG insecticide 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 Aria® 500 WG insecticide to control resistant insects. Aria® 500 WG insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, FMC representative or local agricultural department agronomist.

PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS

Aria® 500 WG insecticide may have adverse effects on honey bees for a short period after application. **DO NOT** spray any plants in flower where bees are foraging. Risk to bees is reduced by spraying in the early morning and late evening when bees are not foraging.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

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

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. **DO NOT** store for prolonged periods in direct sunlight. Triple 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 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.

Additional statements required by Globally Harmonised Systems for classification and labelling of chemicals (GHS) and Safe Work Australia: Causes skin irritation. May cause an allergic skin reaction. Keep out of reach of children. Avoid breathing mist or vapours. Wash skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage. Dispose of contents/ container to an approved waste disposal plant.

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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Emergency Telephone

Transport Emergency: 1800 033 111

24 hr Emergency Medical Information: 1800 033 111

DIRECTIONS FOR USE

RESTRAINTS:

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at www.apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift.

The buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by airblast equipment unless the following requirements are met:

- **DO NOT** direct the spray above trees during airblast applications.
- TURN OFF outward pointing nozzles at row ends and outer rows during airblast applications.

DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets not smaller than a MEDIUM spray droplet size category.

DO NOT apply by aircraft unless the following requirements are met:

- spray droplets not smaller than a MEDIUM spray droplet size category
- For maximum release heights above the target canopy of 3 m or 25% of wingspan or 25% of rotor diameter whichever is the greatest, minimum distances between the application site and downwind sensitive areas (see 'Buffer zones' section of the following table titled 'Buffer zones for aircraft') are observed.

BUFFER ZONES FOR AIRCRAFT

Type of aircraft	Mandatory downwind buffer zones
	Vegetation areas
Fixed-wing	20 metres
Helicopter	Not required

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
Tree 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. Refer to Application section of the label.				
Apples	Woolly Apple Aphid (<i>Eriosoma lanigerum</i>)	Dilute Spray: 10 -14 g/100 L water Concentrate spray: Refer to Application section	H: 21 days	Spray at the first signs of infestation. Water quantities to be used depend on size of trees, development stage of trees and spraying equipment used. Use the higher rate under high pest pressure. A minimum re-treatment interval of 2 weeks must be observed. DO NOT apply more than 3 applications. Where applicable, use the higher rate under high pest pressure or to provide longer residual control. Longtailed Mealybug: Concentrate spraying is not recommended because thorough coverage is essential for good control of Longtailed Mealybug.
	Tuber Mealybug (<i>Pseudococcus viburni</i>)	Dilute Spray: 14 -20 g/100 L water Concentrate spray: Refer to Application section		
Pears	Longtailed Mealybug (<i>Pseudococcus longispinus</i>)	Dilute Spray: 14 -20 g/100 L water		
Cucurbits Including: Cucumber Pumpkin Rockmelon Squash Watermelon Zucchini	Green Peach Aphid (<i>Myzus persicae</i>)	100- 140 g/ha	H: 1 day	Apply at first sign of aphid infestation. A minimum re-treatment interval of 2 weeks must be observed. DO NOT apply more than 3 applications. Where applicable, use the higher rate under high pest pressure.
	Melon Aphid (<i>Aphis gossypii</i>)			
	Silverleaf Whitefly (<i>Bemisia tabaci, B-type</i>)	200 g/ha plus Hasten at 2 mL /100 L water		

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
Potatoes	Green Peach Aphid (<i>Myzus persicae</i>) Melon Aphid (<i>Aphis gossypii</i>) Potato Aphid (<i>Macrosiphum euphorbiae</i>)	140-200 g/ha	H: 14 days	Apply at first sign of aphid infestation. A minimum re-treatment interval of 2 weeks must be observed. DO NOT apply more than 2 applications. Use the higher rate under high pest pressure.
Strawberries- Field and Protected	APHIDS Incl. Green peach aphid (<i>Myzus persicae</i>) Whiteflies (<i>Bemisia tabaci</i> type B) Green Mirid (<i>Creontiades dilutus</i>)	200 g/ha	H: 1 day	<ul style="list-style-type: none"> Apply as foliar spray at the first sign of insect pest infestation. Apply in sufficient water to provide thorough and uniform coverage of the plant. DO NOT apply more than three (3) applications per crop, with a minimum 7-day retreatment interval between applications. Refer to the Protections section for bees.
Tomatoes (protected situations)	Greenhouse Whitefly (<i>Trialeurodes vaporariorum</i>) Silverleaf Whitefly (<i>Bemisia tabaci</i>)	200 g/ha or 20 g/100 L	H: 1 day	<p>Closely monitor adult whitefly numbers and apply control measures before adult populations reach high levels.</p> <p>Use Aria® 500 WG either as a second line of defence to support biocontrol strategies in an IPM program, or where IPM is not in use, then curatively at any time during the crop when whitefly occurs and is threatening to cause economic damage.</p> <p>Apply a maximum of three (3) foliar applications per year, using calibrated high volume boom sprayer or similar equipment, at a minimum 7-day retreatment interval.</p> <p>Use spray volume of 400-500 L/ha after transplant, increasing to 1,000 L/ha for full canopy crops.</p> <p>It is essential to achieve good penetration of the crop canopy to ensure thorough coverage of all developing fruit, foliage and stems, and particularly the underside of leaves, as nymphs (and adults) predominantly inhabit the underside of leaves.</p> <p>DO NOT add adjuvant/surfactant to diluent.</p> <p>DO NOT apply more than two (2) consecutive applications of insecticides that have the same Mode of Action (MoA) within and between seasons to avoid resistance.</p>
NURSERY STOCK (NON-FOOD) including Seedlings and Plugs, potted colour, trees and shrubs, foliage plants, palms, grasses and fruit trees (non-bearing).	APHIDS (<i>Aphidoidea</i>) MEALYBUGS (<i>Pseudococcidae</i>) MIRIDS (<i>Miridae</i>) Silverleaf Whitefly (<i>Bemisia tabaci</i>) Suppression Only Thrips (<i>Thysanoptera</i>) Western Flower Thrips (<i>Frankliniella occidentalis</i>)	10-20 g per 100 L. (plus addition of adjuvant according to label rates)	-	<ul style="list-style-type: none"> Apply as foliar spray at the first sign of insect pest infestation. Apply in sufficient water to provide thorough and uniform coverage of the plant. Use the higher rate under high pest pressure. Maximum of three (3) applications per year, with a minimum re-treatment interval of 14 days. Refer to the Protections section for bees <p>To Avoid Crop Damage:</p> <p>This product has NOT been fully evaluated for crop safety in nursery stock. It is essential therefore that users treat a small area of the crop prior to a whole crop treatment and monitor any phytotoxic effects that will compromise production goals.</p>

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

WITHHOLDING PERIODS

HARVEST:

APPLES, PEARS: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION

POTATOES: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

CUCURBITS, STRAWBERRIES, TOMATOES: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION

GRAZING:

APPLES, CUCURBITS, PEARS, POTATOES: DO NOT ALLOW LIVESTOCK TO GRAZE IN TREATED AREAS.

TOMATOES: DO NOT GRAZE TREATED AREA OR CUT TREATED AREA FOR LIVESTOCK FEED.

TRADE ADVICE

Export of treated produce

Growers should note that maximum residue levels (MRLs) or import tolerances may not exist in all markets for produce treated with Aria® 500 WG insecticide. In some situations export requirements may be met by limiting application number and/or imposing a longer withholding period than specified above. If you are growing produce for export, please check with FMC for the latest information on MRLs and import tolerances before using Aria® 500 WG insecticide.