

Main panel label

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



RLP  
Approved

# Mainman<sup>®</sup> 500 WG INSECTICIDE



ACTIVE CONSTITUENT: 500 g/kg FLONICAMID

GROUP	<b>9C</b>	INSECTICIDE
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For the control of aphids and mealybug in apples; for the control of aphids and mirids in cotton; for the control of aphids and silverleaf whitefly in cucurbits; and for the control of aphids in potatoes

**NET CONTENTS: (500 g, 1 kg, 5 kg)**

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Distributed in Australia by:

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<sup>®</sup> Registered trademark of Ishihara Sangyo Kaisha, Ltd

**DIRECTIONS FOR USE**

**RESTRAINT:**

**Do not apply by aircraft.**

**SPRAY DRIFT RESTRAINTS**

Except when applying with orchard airblast equipment, **DO NOT** apply with spray droplets smaller than a MEDIUM spray droplet size category according to nozzle manufacturers' specifications that refer to the ASAE S572 Standard or the BCPC Guideline.

**DO NOT** apply when wind speed is less than 3 or more than 20 kilometres per hour as measured at the application site.

**DO NOT** apply during surface temperature inversion conditions at the application site.

**DO NOT** direct the spray above trees during airblast application.

**TURN OFF** outward pointing nozzles at row ends and outer rows during airblast applications.

Users of this product **MUST** make an accurate written record of the details of each spray application within 24 hours following application, and must **KEEP** this record for at least 2 years.

The spray application details that must be recorded are:

1. date with start and finish times of application;
2. location address and paddock(s) sprayed;
3. full name of this product;
4. amount of product used per hectare and number of hectares applied to;
5. crop or situation and weed or pest;
6. wind speed and direction during application;
7. air temperature and relative humidity during application;
8. nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application;
9. name and address of person applying this product.

(Additional record details may be required by the state or territory where this product is used.)

**MANDATORY NO-SPRAY ZONES: Not required when used as directed.**

Crop	Pest	Rate	WHP	Critical Comments
Apples	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.			
	Woolly Apple Aphid ( <i>Eriosoma lanigerum</i> )	<b>Dilute Spray:</b> 10 -14 g/100 L water  <b>Concentrate spray:</b> Refer to Application, Apples section	21 days	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.
	Tuber Mealybug ( <i>Pseudococcus viburni</i> )	<b>Dilute Spray:</b> 14 -20 g/100 L water  <b>Concentrate spray:</b> Refer to Application, Apples section		
Cotton	Cotton Aphid ( <i>Aphis gossypii</i> )  Green Mirid ( <i>Creontiades dilutus</i> )	100-140 g/ha	7 days	Apply to an aphid population in the early stages of development before honeydew is evident or aphid damage occurs. Thorough spray coverage is essential. This product should be used according to the Cotton Industry's Best Management Practices Manual and its associated Spray and Drift Management Plan.  If repeat applications are required, alternate with products from a different insecticide group as per current Cotton Industry Insecticide Resistance Management Strategy. This use is also subject to a CropLife Insecticide resistance management strategy. DO NOT apply more than 2 sprays per crop per season.
	Cucurbits Including: Cucumber Pumpkin Rockmelon Squash Zucchini	Green Peach Aphid ( <i>Myzus persicae</i> )  Melon Aphid ( <i>Aphis gossypii</i> )  Silverleaf Whitefly ( <i>Bemisia tabaci</i> , B-type)	100- 140 g/ha   200 g/ha plus Hasten at 2 mL /100 L water	1 day
Potatoes	Green Peach Aphid ( <i>Myzus persicae</i> )  Melon Aphid ( <i>Aphis gossypii</i> )  Potato Aphid ( <i>Macrosiphum euphorbiae</i> )	140-200 g/ha	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.

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

**WITHHOLDING PERIODS:**

**Apples: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION**  
**Potatoes: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION**  
**Cotton: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION**  
**Cucurbits: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION**

**DO NOT GRAZE OR FEED TREATED CROPS TO ANIMALS.**  
**DO NOT FEED COTTON FODDER, STUBBLE OR TRASH TO LIVESTOCK.**

**GENERAL INSTRUCTIONS**

**Insecticide Resistance Warning**

<b>GROUP</b>	<b>9C</b>	<b>INSECTICIDE</b>
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For insecticide resistance management, Mainman 500 WG Insecticide is a Group 9C insecticide. Some naturally occurring insect biotypes resistant to Mainman 500 WG Insecticide and other Group 9C insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Mainman 500 WG Insecticide and other Group 9C insecticides are used repeatedly. The effectiveness of Mainman 500 WG Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, UPL Australia Limited accepts no liability for any losses that may result from the failure of Mainman 500 WG Insecticide to control resistant insects. Mainman 500 WG Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, UPL Australia Limited representative or local agricultural department agronomist.

**Export of treated produce**

Growers should note that suitable MRLs or import tolerances do not exist in all markets for produce treated with Mainman 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 UPL Australia Limited for the latest information on any potential trade issues and their management before using Mainman 500 WG Insecticide.

**Mixing**

Add the required amount of Mainman 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 Mainman 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 according to ASAE S572 definition for standard nozzles. Adjust water volumes according to the crop growth stage.

**Apples:** The same quantity of Mainman 500 WG Insecticide per hectare should be used when spraying by either the dilute or concentrate method.

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 Mainman 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 Mainman 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: 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 500 L 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  $2 \times 14$ , 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 Mainman 500 WG Insecticide with other products, contact your local UPL Australia Limited 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.

**PROTECTION OF LIVESTOCK**

Mainman 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 waterways 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.

**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 gloves and contaminated clothing.

**FIRST AID**

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

**MATERIAL SAFETY DATA SHEET**

Additional information is listed in the Material Safety Data Sheet which can be obtained from the supplier representative or visit [www.uplonline/uplaustralia.com.au](http://www.uplonline/uplaustralia.com.au) .

**CONDITIONS OF SALE**

ISK Biosciences Oceania Pty Ltd and UPL Australia Limited accept responsibility for the consistent quality of the product; however since the use and application of the product is beyond control, the companies accept no responsibility whatsoever for any loss, damage or other result following the use of the product whether used in accordance with directions or not; other than those mandatorily imposed by statutes, the liability is limited to the replacement of the goods and is conditional upon a claim made in writing and, where necessary, a sufficient part of the goods being returned for proper examination by the company within thirty days of sale.

APVMA Approval Number: 66373/53527

Bar code, label code  
to be inserted

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