



DANGER
KEEP OUT OF REACH OF CHILDREN
READ LABEL COMPLETELY BEFORE MIXING OR APPLYING
ECOTOXIC

PIRIGRO™ 500 WDG

CARBAMATE INSECTICIDE

For Aphid control in Fruit, Cereal,
Vegetable and Flowering Crops

ACTIVE INGREDIENT: Contains 500g/kg pirimicarb
in the form of a water dispersible granule

GSPG/09/P01



Grosafe®

PIRIGRO™ 500 WSG

HAZARD CLASSIFICATIONS:

Acute oral toxicity Category 3, Acute inhalation toxicity Category 4, Eye irritation Category 2, Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment (acute) Category 1, Hazardous to the aquatic environment (chronic) Category 1, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates.



TOXICITY:

DANGER: Toxic if swallowed.

WARNING: Harmful if inhaled. Causes serious eye irritation. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Avoid contact with skin and eyes and inhalation of dust and spray mist.

ECOTOXICITY:

Very toxic to aquatic organisms and with long lasting effects. Do not apply directly into or onto water. Hazardous to terrestrial vertebrates and to terrestrial invertebrates.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Do not apply PIRIGRO 500 WSG Insecticide to any plant or tree likely to be visited by bees at the time of application or immediately after application until spray has dried or in areas where bees are likely to be foraging.

QUALIFIED HANDLER: This product must be under the control of a suitably qualified handler during mixing, loading and use, or under the direct supervision of a person with the required qualification. Specific qualification types are required for some application methods. Product is restricted to use in workplaces.

RECORD KEEPING: If 3 kg or more of PIRIGRO 500 WSG is applied within 24 hours, in a place where the product is likely to enter air or water and leave the application area, a written record of each application is required. The person applying PIRIGRO 500 WSG must not cause adverse effects beyond the boundary of the treated property, and must also avoid adverse effects from spray drift occurring. Mitigation measures employed must be recorded as part of the application records.

PERSONAL PROTECTION: When mixing, loading or applying PIRIGRO 500 WSG Insecticide, or entering an application area within the 24-hour re-entry interval, chemical resistant coveralls, gloves, footwear plus socks, headgear for overhead exposures and protective eyewear must be worn at all times. Unless applying using a vehicle with a fully-enclosed cab equipped with personal protective equipment, the operator must wear appropriate respiratory protection. Wash hands, arms and face with soap and water before meals and after work. Do not eat, drink or smoke while using. Wash protective clothing and equipment before re-use.

STORAGE: Store locked up in the original, closed container in a cool, dry place, out of direct sunlight. Store in accordance with the current version of the NZ Standard for the Management of Agrichemicals (NZS8409). Storage of more than 100 kg requires signage, secondary containment and an emergency response plan.

SPILLAGE: Collect spill. When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section. Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Sweep up spill material and place in waste containers. Avoid generating dust. Absorb liquid spills with an inert (such as vermiculite, earth, sand or synthetic absorbent substance) material and place in waste containers. Wash area with water and alkaline detergent then absorb any remaining liquid with further inert material. Dispose of the waste safely in an approved landfill.

DISPOSAL: DO NOT contaminate any water supply with product or empty container. **Product Disposal:** If possible, dispose of by using according to the label, otherwise dispose of in an approved landfill.

Container Disposal: Triple rinse empty container (if possible and add rinse to the spray tank. Recycle container via Agrecovery (www.agrecovery.co.nz) or at an approved landfill. DO NOT reuse container for any other purpose.

SAFETY DATA SHEET: A safety data sheet is available from Grosafe Chemicals Ltd.

FIRST AID: If medical advice is needed, have product label or container at hand. IF SWALLOWED: Do NOT induce vomiting. Rinse mouth. Immediately contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor for advice. IF INHALED: Immediately move person to fresh air and rest. If breathing has stopped begin artificial respiration. Obtain medical attention if person feels unwell. IF ON SKIN OR HAIR: Remove contaminated clothing and flush skin and hair with water. Do not scrub the skin. If irritation or rash occurs, get medical advice. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

EMERGENCY RESPONSE 0800 CHEMCALL: (0800 243 622).

GENERAL INFORMATION

PIRIGRO 500 WDG Insecticide is a fast-acting contact insecticide which is partially systemic and has strong fumigant action within the crop. It is effective on most aphid species in a wide range of agricultural and horticultural crops and active on strains of aphids resistant to organophosphate insecticides. Aphids controlled by PIRIGRO 500 WDG Insecticide at recommended rates include: Black Bean Aphid, Blue Green Lucerne Aphid, Cabbage Aphid, Cereal Aphid, Grain Aphid, Rose-Grain Aphid, Green Peach Aphid, Pea Aphid, Potato Aphid and Rose Aphid.

BWARE: PIRIGRO 500 WDG Insecticide must not be applied in a manner that results in adverse effects beyond the intended boundary of the application area. A strategy to avoid spray drift must be employed at all times. Details of spray drift mitigation measures must be recorded as part of the application records. Ensure compliance with relevant regional air management plans.

MIXING: Pour the measured quantity of PIRIGRO 500 WDG Insecticide into a partly filled tank and agitate the spray mixture while adding the remaining water. The spray mixture should be continually agitated before and during spraying and after a stoppage.

EQUIPMENT: Apply using accurately calibrated and well-maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS 8409). PIRIGRO 500 WDG Insecticide is non-corrosive and almost non-abrasive and can be applied through standard ground and aerial spraying equipment. Flush equipment with clean water after use. Surplus spray solution and washings from equipment should NOT be disposed of on cropping land or in streams.

APPLICATION TIMING: Apply PIRIGRO 500 WDG Insecticide when aphids appear and repeat applications as required for crop hygiene and protection. It is recommended that vegetation growing on the crop perimeter be inspected regularly and if necessary treated to reduce the risk of crop re-infestation.

Registered pursuant to ACVM Act 1997, No. P101777 See www.foodsafety.govt.nz for registration conditions

Approved under the HSN0 Act 1996, HSR000703 See www.epa.govt.nz for controls

WARRANTY: This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

Registered to and distributed by:

Grosafe Chemicals Ltd
20 Jean Batten Drive
Mt Maunganui 3116
POBox 14-450 Tauranga 3141
Tel: 0800 220 002
Email: info@grosafe.co.nz
www.grosafe.co.nz

Batch No:

Date of Manufacture:

Grosafe
GROUP

PIrIGro™ pending trademark registration for Grosafe Chemicals Limited.



APPLICATION: A non-ionic low foam wetting agent at label rates is recommended for difficult-to-wet crops such as brassicas and potatoes. Rates suggested in horticulture are for high-volume spraying to run-off. For concentrate spraying, adjust dilution rate as accordingly.

AERIAL APPLICATION: For wide-dispersive (aerial) application, the applicator must provide written notice of the proposed application to any person(s) likely to be directly affected by the application, including occupiers and owners of land, dwellings, buildings or property that is immediately abutting the application area. This notice must be given at least two working days but no more than four weeks in advance of each application; and specify the following: The location of the application area; The date and approximate duration of each application; The steps to be taken by the notified parties to avoid exposure (e.g. closing windows and doors, moving laundry indoors, staying inside, etc.); The name of the organisation(s) undertaking the application; Contact details for the person in charge of the application (phone, email or postal address, including a contact number for immediate contact during application).

RE-ENTRY INTERVAL: Do not enter any treated area for 24 hours after application. If prior entry is required, chemical resistant coveralls gloves, footwear plus socks, headgear for overhead exposures and protective eyewear must be worn at all times.

RESISTANCE MANAGEMENT: **GROUP 1 INSECTICIDE**

PIRIGRO 500 WDG is a Group 1 Insecticide and is a member of the carbamate chemical group. Resistance to this insecticide could develop from excessive use. To minimise this risk use strictly in accordance with the label instructions and resistance management strategies that exist for any pest listed on the label. For further information see: www.resistance.nzpps.org.
It is an offence to use this product on animals.

DIRECTIONS FOR USE:

CROP	PEST	RATE	CRITICAL COMMENTS
Apples	Woolly Apple Aphid	50 g/100L of water (or no less than 1 kg/ha). Add a non-ionic low foam wetting agent at label rates for summer applications.	Where a high overwintering pest population exists, apply at bud movement plus a suitable spraying oil. To control Woolly Apple Aphid infesting shoot growth during summer pest build-up, apply as required during the growing season. Timing of application should be in accordance with infestation thresholds such as outlined in the ENZA FRUIT IFF-P manual. Concentrate spraying is NOT recommended.
Beans, Broadbeans, Oil Seed, Peas, Rape	Aphids	250 g/ha	Apply in a minimum of 200 litres of water from the ground or 100 litres from the air.
Cereals, Lucerne, Kale, Swedes, Turnips	Aphids	200 - 250 g/ha	Use the lower rate only on short or sparse crops. Apply in a minimum of 200 litres of water from the ground or 100 litres from the air.
Curcubits	Aphids	250 g/ha	Apply as a preventative spray over the flowering period with a second application 10 to 14 days later. A third application may be applied if required later in the season. Apply in 200 - 700 litres of water from the ground or 100 litres from the air.
Lettuce, Tomatoes, Vegetable Brassicas	Aphids	250 g/ha	Apply in 400 - 700 litres of water, depending on stage of crop development.
Potatoes	Aphids	500 g/ha	Apply in 200 - 400 litres of water at a pressure of not less than 500 kPa.
Stonefruit	Aphids	25 g/100 L of water	Apply in a minimum of 2000 litres of water per hectare.
Flowering Crops: Broadbeans, Clovers, Forage Brassicas, Lucerne, Peas, Oil seed rape	Aphids	250 g/ha	Do not apply if crop is likely to be visited by bees at the time of application or immediately after application until spray has dried or in areas where bees are likely to be foraging.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

WITHHOLDING PERIODS:

Apples: 7 days

Beans, Broadbeans, Lettuce, Oil Seed Rape, Peas, Tomatoes, Vegetable Brassicas: 3 days

Cucurbits: 7 days

Potatoes: Nil

Stonefruit: 3 days

Broadbeans, Cereals, Clovers, Forage Brassicas, Kale, Lucerne, Oil Seed Rape, Peas, Swedes, Turnips: DO NOT graze stock for 7 days