

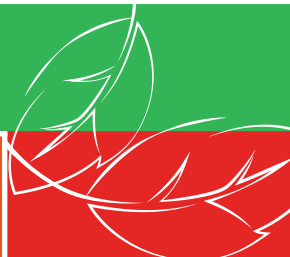


# orion

AGRISCIENCE

**HARMFUL | ECOTOXIC**

KEEP OUT OF REACH OF CHILDREN



ZAGRO

# Diazinon

600EW

## INSECTICIDE

For the control of insect pests in CEREALS, FORAGE  
BRASSICAS, ORNAMENTALS, PASTURE, certain  
SEED CROPS, APPLES and PEARS (NON-BEARING),  
AVOCADOS, MANDARINS, ORANGES, TOMATOES  
(OUTDOOR) AND STRAWBERRIES.

**Active Ingredient:**

600 g/litre of diazinon in the form of an oil in water emulsion.



9 421004 53367 6

**20 Litres**



## PLEASE READ THE LABEL COMPLETELY BEFORE USE



### HAZARD CLASSIFICATIONS: 6.1D, 6.8B, 6.9A, 9.1A, 9.2D, 9.3A, 9.4A

#### WARNING: TOXIC, ECOTOXIC

May be harmful if swallowed, inhaled or absorbed through the skin. May cause reproductive/development damage from repeated ingestion. May cause neurological symptoms following exposure at high doses (See 'Symptoms of Poisoning' below). Very toxic to aquatic organisms. Harmful to soil organisms. Very toxic to terrestrial vertebrates and invertebrates.

#### PRECAUTIONS

**APPROVED HANDLER:** This product must be under the control of an approved handler during use.

**STORAGE:** Keep out of reach of children. Store in the original, tightly closed container, in a secure area away from feed or foodstuffs. Storage of certain quantities of this product trigger specific storage requirements (Refer to Safety Note). When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.

#### PERSONAL PROTECTION:

Avoid contact with eyes and skin. Avoid inhalation of vapour or spray mist. When mixing, loading, applying or entering into treated areas, wear chemical resistant coveralls with hood tightly fitting at head, wrists and ankles, chemical resistant boots and gloves, and full face respirator (organic vapour and particulate matter). The Restricted Entry Interval (REI), during which personal protection must be worn, is 24 hours. Clean protective clothing daily after work. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

**USE:** Exclude people from application area. Apply with well maintained and calibrated spray equipment. Indoor application must be carried out using automated application equipment, and is subject to signage requirements (Refer to Safety Data Sheet).

**DISPOSAL:** Dispose of this product only by using in accordance with this label, or at a suitable landfill. Do not burn. Triple rinse container and add rinsate to the spray tank. Dispose of container to a suitable landfill or agricultural recycling scheme. Do not burn. Do not use container for any other purpose.

**ENVIRONMENTAL:** Use this product carefully. Do not contaminate aquatic environments with product, spray drift or empty container. This product is very toxic to bees. Do not apply this product to any plant or tree likely to be visited by bees at the time of application, immediately after application until the spray has dried, or in areas where bees are foraging. The person applying this substance 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. Use of this product is subject to prior notification of affected parties and neighbours (Refer to Safety Data Sheet).

Batch No:

Date of manufacture:

ZAGRO DIAZINON 600EW

### Symptoms of Poisoning

These may include excessive sweating, headache, weakness, faintness, dizziness, nausea, stomach pains, vomiting, small pupils, blurred vision and muscle twitching.

#### First Aid

If swallowed do not induce vomiting. If splashed in eyes, wash out immediately with running water for several minutes. If skin or hair contact occurs, remove contaminated clothing and wash with soap and running water. If inhaled, immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Call the National Poisons Centre **0800 POISON (0800 764 766)** (24 hrs) or a doctor immediately for advice.

#### Emergency Response

In a transport emergency call **111, Police or Fire Brigade**. In a fire, evacuate and call **111 Fire Brigade**. For specialist advice in an emergency only, call **0800 CHEMCALL (0800 243 6225)** (24 hrs).

#### Spillage

Exclude non-essential people from the area. Wear protective clothing and prevent material from entering waterways. Absorb spill with inert material such as soil, sand, etc, and place in a waste container. Wash area with water and detergent, and absorb with further inert material. Dispose of safely to a suitable landfill.

#### Safety Data Sheet

Additional information is provided in the safety data sheet.

Freephone **0800 ORIONAS (0800 674 6627)** or visit [www.orionagriscience.co.nz](http://www.orionagriscience.co.nz)

#### 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 pursuant to the ACVM Act 1997, No. P8635

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to the HSNO Act 1996, No. HSR000180

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions.

**Registrant:** Orion Agriscience Ltd, Unit 1, 15 Sir Gil Simpson Drive, Harewood, Christchurch 8053

[www.orionagriscience.co.nz](http://www.orionagriscience.co.nz)

**UN 3082**  
**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIAZINON 60%)**  
**PACKING GROUP III**  
**HAZCHEM CODE 3Z**  
**IN A TRANSPORT EMERGENCY, DIAL 111 POLICE OR FIRE BRIGADE.**  
**FOR SPECIALIST ADVICE IN AN EMERGENCY CALL 0800 CHEMCALL (0800 243 622)**



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It is an offence to use this product off-label.

### DIRECTIONS FOR USE

Do not exceed the specified rates or application frequencies.

### FRUIT CROPS

The rates suggested for foliar application are for high volume spraying to run-off. For concentrate spraying, adjust dilution rate accordingly. The addition of a wetting agent at manufacturer's label rates to all foliar applications of Zagro Diazinon 600EW will enhance insect control.

Crop	Pest	Rates	Critical comments
Apples, Pears (Non-Bearing Trees Only)	Leaf Curling Midge	Ground-4 L/ha	Apply as a single application prior to the emergence of Midge adults. Apply to the area beneath the trees to the dripline or over the entire orchard floor where the orchard has been recently replanted or regrafted. Ensure the ground is free of vegetation and trash. The action of rain or irrigation during application is desirable to move the active ingredient into the soil.
		Foliar-80 mL/100L	Apply at tight cluster in September to coincide with first generation egg hatch. Repeat post-petal fall if first generation egg hatching is still occurring, or for a later generation of egg hatch. <b>Note:</b> Do NOT use over the pink to petal fall period.
	Woolly apple aphid, San Jose scale, Mealy bug, Aphids	80 mL/100L	Make the first application at green tip in combination with a spraying oil and a second application as required in combination with a black spot fungicide.
	Leafroller	Foliar-80 mL/100L	Use from petal fall onwards.
Avocados	Leafroller, Mealy Bug, Thrips, Scale Insects	80 mL/100L	Apply as required. Tank mix with carbaryl at label rates.
Mandarins, Oranges	Aphids, Australian Citrus Whitefly, Mealy Bug, Scale Insects, Thrips	80 mL/100L	Apply as required. Tank mix with a horticultural spray oil to improve scale control.

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## GROUND CROPS

The rates suggested are for low volume broadcast application in 200 litres of water/ha, with increasing water rates as necessary for more leafy vegetable crops. A rate of 50 litres of water/ha is suitable for aerial application to pasture.

Crop	Pest	Rates	Critical comments
Cereals	Aphids	1 L/ha in 200L water/ha	Up to 2 applications per crop cycle may be made for aphid control however this is to be reduced to 1 application if an application is made for grass grub control  WHP: 14 days
Cereals (Autumn/ Winter)	Grass Grub	4 L/ha in 250-300L water/ha	Apply no more than one application per season within 12 weeks of sowing but not before mid-August. Boom sprays are effective only if heavy continuous rain prevents the spray from drying before it is washed into the soil. Application must be during or followed immediately by heavy rain (at least 13mm) or irrigation.  WHP: Apply within 12 weeks of sowing and not after mid-August.
Forage Brassicas	Springtails	460 mL/ha	Apply 1 – 2 days before emergence of the crop.
	Army Worm, Diamond Back Moth	1 L/ha	Spray early morning or late evening when the insects are actively feeding. Treat at the first sign of damage when most of the caterpillars are small.
Ornamentals	Aphids, Thrips, Caterpillars	80 mL/100L	Apply at first sign of damage and repeat 10-14 days later if necessary. Do not apply more than 2 applications per crop cycle.
Pasture	Grass Grub	4 L/ha	Apply during falling rain, during February to April when grubs are small and near the surface. Pasture must be short, hard grazed with moist soil. Applications must be followed by about 13 mm of rain within a week for best results. Do NOT apply to heavy clay or peaty type soils.
	Porina	1.5 to 2 L/ha	Apply to short grazed pasture, preferably in the late afternoon when frost is NOT expected. Use the higher rate when caterpillars are large and numerous or if pasture is dense.
	Armyworm	1 L/ha	Apply in the early morning or late afternoon when caterpillars are actively feeding.
	Lucerne Flea	460 mL/ha	Apply when insects first appear in autumn and repeat in 4 weeks if necessary.
	Springtails	400 mL/ha	Apply in a tank mix with glyphosate when spraying out pasture prior to planting crops such as forage brassicas.

Crop	Pest	Rates	Critical comments
Seed Crops (Clover, Grass, and Vegetable)	Grass Grub	4 L/ha	Apply during falling rain, during February to April when grubs are small and near the surface. Applications must be followed by about 13 mm of rain within a week for best results. Do NOT apply to heavy clay or peaty type soils. Do NOT apply more than once per season.
Strawberry (Bearing Plants)	Aphids	1.25 L/ha	Apply as a single application pre-flowering.
Strawberry (Non-Bearing Runner Plants)	Aphids	1.25 L/ha	Apply pre-flowering.
Tomatoes (Outdoor)	Aphids, Caterpillars, Thrips	1.3 L/ha	Apply at first sign of insects and repeat as necessary.

**Note:** Unless otherwise specified, do **NOT** apply more than 2 applications per season.

## MIXING

Zagro Diazinon 600EW mixes readily with water. Add the required amount into the partly filled spray tank then add the rest of the water with agitation. Continue agitation while spraying.

## COMPATIBILITY

Zagro Diazinon 600EW may be tank mixed with most insecticide and some fungicide formulations. Flocculation may occur in combination with Iprodione SC, Dofene SC, Carbaryl SC and Captan or where hard water is used. If used in combination with emulsifiable concentrate formulations, the mixture should be tested before use. Do NOT mix with copper sprays, Bordeaux mixture or lime sulphur.

## WITHHOLDING PERIODS

**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.**

Apples, Pears	Use on Non-Bearing Trees Only
Avocados	14 days
Mandarins, Oranges	21 days
Cereals	Refer to directions for use
Forage Brassicas	Nil
Pasture	Nil
Strawberries (Bearing)	Use Pre-Flower Only
Tomatoes (Outdoor)	14 days
Export Crops	Contact your exporter or industry crop adviser.

Keep ducks, geese and hens off treated areas for 7 days following spraying to control surface feeding insects.

## RESISTANCE MANAGEMENT

### GROUP 1 INSECTICIDE

Zagro Diazinon 600EW contains the organophosphorus compound diazinon. Resistance to this insecticide could develop from excessive use. To minimise this risk, use strictly in accordance with label instructions. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the insect pests listed on this label.