



**orion** AGRISCIENCE

**DANGER**

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**

**READ LABEL BEFORE USE****HAZARD CLASSIFICATIONS:**

**Acute Oral Toxicity Category 4, Acute Dermal Toxicity Category 4, Acute Inhalation Toxicity Category 4, Reproductive Toxicity Category 2, Specific Target Organ Toxicity Repeat Exposure Category 1, Hazardous to the Aquatic Environment Acute Category 1, Hazardous to the Aquatic Environment Chronic Category 1, Hazardous to Soil Organisms, Hazardous to Terrestrial Vertebrates, Hazardous to Terrestrial Invertebrates.**

**DANGER, ECOTOXIC, TOXIC**

Harmful if swallowed. Harmful if in contact with skin. Harmful if inhaled. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic organisms with long lasting effects. Toxic to the soil environment. Very toxic to terrestrial vertebrates. Very toxic to terrestrial invertebrates.

**PRECAUTIONS****HANDLING REQUIREMENTS:**

This product must only be handled, mixed and applied by a suitably qualified person as defined under the HPC notice 2017 Part 4C. Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3 L or more is applied within 24 hours and likely to leave the application area.

**PERSONAL PROTECTION**

Obtain, read and follow all safety instructions before use. Avoid contact with eyes and skin. Do not breathe in the vapour or spray mist. When mixing, loading or applying, wear chemical resistant coveralls, boots, gloves, and eye protection. Wear respiratory protection if vapour or spray mist could be inhaled. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Use only outdoors or in a well ventilated area.

**WORKPLACE ONLY**

This product must only be used in the workplace as defined under the HPC notice 2017 Part 2.

**STORAGE**

Keep out of reach of children. Store in the original container. Keep container tightly closed. Store locked up. When stored appropriately this product should show no significant degradation from two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.

**DISPOSAL**

Dispose of this product by using it in accordance with this label. Dispose of the container via AgRecovery after triple rinsing (use the rinsate for spraying). Do not burn. Do not use the container for any other purpose.

**ENVIRONMENTAL**

Take all reasonable steps to ensure that this product does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water. Do not apply this substance to plants if bees are foraging, or the plants are in flower or part flower, and are likely to be visited by non-target invertebrate pollinators (including bees). Collect spillage.

**FIRST AID**

If medical advice is needed, have product container or label at hand.

**IF SWALLOWED:** Rinse mouth. Get medical help.

**IF ON SKIN:** Wash with plenty of water. Get medical help.

**IF INHALED:** Move person to fresh air and keep comfortable for breathing. Get medical help.

If exposed or concerned, get medical advice. Get medical help if you feel unwell. For advice, call the Poisons Centre on **0800 POISON (0800 764 766)** or a Doctor.

**EMERGENCY RESPONSE**

In an emergency call **111, Police or 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 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**

**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 HSNQ Act 1996, No. HSR000180

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

**Registrant:** Agsin Pte Ltd, Zagro Global Hub, 5 Woodlands Terrace, Singapore 738430

**Distributor:** Orion AgriScience Ltd, Unit 1, 15 Sir Gil Simpson Drive, Harewood, Christchurch 8053.

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



**UN 3082**

**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.**

**(DIAZINON 60%)**

**HAZARD CLASS 9**

**PACKING GROUP III**

**HAZCHEM CODE 3Z**

Batch No:

Date of manufacture:

**ZAGRO DIAZINON 600EW**

**orion**  
AGRISCIENCE

0425

## READ LABEL BEFORE USE

### DIRECTIONS FOR USE

Apply with well-maintained and calibrated spray equipment. When this substance is applied indoors, application must be carried out using automated application equipment.

### NOTIFICATION

For wide-dispersive applications, written notice must be given to any person likely to be directly affected by the application. This includes occupiers and owners of land, dwellings or buildings or property that is immediately abutting the application area. This notification must be given between 2 working days and 4 weeks in advance of each application. It must specify the location of application area, the date and approximate duration of each application, the steps to be taken by the notified parties to avoid exposure, the name of the organisation/s undertaking the application, contact details for the person in charge of the application (phone, email or postal address), and a contact number for immediate contact during application.

**It is an offence to use this product off-label. Do not exceed a maximum application rate of 4 L/ha. Do not apply more than 2 applications per crop cycle, or 2 applications per year in the same application area for non-cropping situations.**

### 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	<b>Ground</b> - 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.
		<b>Foliar</b> - 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	<b>Foliar</b> - 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.

## READ LABEL BEFORE USE

### 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
<b>Cereals</b>	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
<b>Cereals (Autumn/Winter)</b>	Grass Grub	4 L/ha in 250-300L water/ha	Apply no more than one application per season within 12 weeks of sowing but 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.
<b>Forage Brassicas</b>	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.
<b>Ornamentals</b>	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.
<b>Pasture</b>	Grass Grub	4L/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 or irrigation 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.
<b>Seed Crops (Clover, Grass, and Vegetable)</b>	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.

Crop	Pest	Rates	Critical comments
<b>Strawberry (Bearing Plants)</b>	Aphids	1.25 L/ha	Apply as a single application pre-flowering.
<b>Strawberry (Non-Bearing Runner Plants)</b>	Aphids	1.25 L/ha	Apply pre-flowering.
<b>Tomatoes (Outdoor)</b>	Aphids, Caterpillars, Thrips	1.3 L/ha	Apply at first sign of insects and repeat as necessary.

### 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.

### RESTRICTED ENTRY INTERVAL (REI)

The person in charge is responsible for making sure that no person enters an application area until the end of the REI unless they are wearing the appropriate personal protective equipment. For indoor applications signs must be put outside the application area, at every routine point of entry from the start of application to the end of the REI

Ornamentals	6 days
Avocados	10 days
Forage brassicas, Cereals	12 days
Apples, pears, mandarins, oranges	12 days
Tomatoes, Strawberries	13 days

### RESISTANCE MANAGEMENT

GROUP	1	INSECTICIDE
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**Zagro Diazinon 600EW is an organophosphate containing substance.** 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.