

DANGER
KEEP OUT OF REACH OF CHILDREN



ADAMA

DART[®] 800

GROUP 1 INSECTICIDE

Organophosphate containing substance

**For the control of insect pests in pasture, cereals, seed crops
and other horticultural crops**

READ THE ATTACHED BOOKLET COMPLETELY BEFORE MIXING OR APPLYING

Active Ingredient:

Contains 800 g/L DIAZINON in the form of an emulsifiable concentrate

UN No:	3082
DG Class:	9
Packing Group:	III
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diazinon)
Marine Pollutant:	Yes
Batch number:	NET CONTENTS: 5 L, 10 L, 20 L, 200 L
Date of Manufacture:	
Barcode to be inserted	



REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.**DANGER**

Combustible liquid. Harmful if swallowed, in contact with skin, or inhaled. May be fatal if swallowed and enters airways. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Causes damage to the nervous system through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Harmful to soil organisms. Harmful to terrestrial vertebrates. Very toxic to bees.

HANDLING PRECAUTIONS

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not eat, drink or smoke while using this product. Do not breathe fumes, spray mist or vapours. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Wash exposed skin thoroughly after handling. Avoid unintended release into the environment. Collect spillages.

PROTECTION OF BEES

This product is toxic to bees. Do not apply this product to any plant or tree likely to be visited by bees (a) at the time of application; or (b) immediately after application until spray has dried; or (c) in areas where bees are foraging.

PCBU RESPONSIBILITIES

A PCBU with management or control of work using this substance must ensure that every worker who uses, handles, manufactures, or stores this hazardous substance (including hazardous waste) is, before the worker is allowed to carry out or supervise work involving those substances, provided with adequate information, training and instruction. This includes the use of personal protective equipment to be used to minimise risks to the health and safety of workers when carrying out work using this substance.

QUALIFICATIONS REQUIRED FOR APPLICATION OF ENVIRONMENTALLY HAZARDOUS SUBSTANCES

Anyone who mixes, loads, or applies this product, either by air or ground based methods, is required to be suitably qualified, or must receive guidance and, if required, assistance from a suitably qualified person. Refer to Schedule 10 of the Hazardous Substances (Hazardous Property Controls) Notice 2017 for a list of suitable qualifications.

RECORD KEEPING

A PCBU with management or control of the substance must ensure that a written record is kept of each application of this substance. This record must include the product name, date and time of each application, amount of substance applied, location where the substance was applied, wind speed and direction and electronic data files indicating the application area (if applied by air), and details of measures taken to ensure no adverse effects beyond the boundary of the application area.

EQUIPMENT

A PCBU with management or control of work using this substance must ensure that equipment used to handle this substance retains the substance, without leakage, at all of the temperatures and pressures at which the equipment is to be used; and dispenses or applies the substance, without leakage, at a rate and in a manner that the equipment is designed for. The PCBU must ensure that the equipment is accompanied by documentation that is readily available and readily understandable about the use and maintenance of the equipment.

STORAGE

Store locked up in the original tightly closed container in a well-ventilated place. Keep cool. Store in accordance with NZS 8409 Management of Agrichemicals. Secondary containment and emergency response plans are required where greater than 100 L of this product are stored. Refer to the product SDS for further information. Do not store with Class 1, 2, 3.2, 4 or 5 substances or foodstuffs. Stores containing more than 500 L of DART 800 require two fire extinguishers.

SHELF LIFE

The toxicity of this diazinon product may increase markedly over time. DO NOT USE this product if it is past its expiry date.

PERSONAL PROTECTION

When mixing, loading or applying DART 800, 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-enclose 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. Wash protective clothing after use.

SPILLAGE

Extinguish all ignition sources. Exclude all bystanders from the vicinity of the spill and prevent material from



entering waterways. Wear appropriate protective clothing as in the personal protection section of this label to clean up spills. Absorb spills with an inert material (such as vermiculite, earth, sand or synthetic absorbent substance) 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.

DO DISPOSAL

Container Disposal - Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an Agrecovery® depot for recycling. Alternatively, burn in an appropriate incinerator if circumstances such as wind direction permit, or puncture and bury in a suitable landfill. Avoid contamination of any water supply with product or empty container.

Product Disposal - Dispose of this product only by using according to the label, or through the Agrecovery® Chemical Recovery service or other approved facility.

Do not burn product or container.

SAFETY DATA SHEET

A safety data sheet for this product is available at www.adama.com.

FIRST AID

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

For advice, or if you feel unwell or are exposed or concerned, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.

IF SWALLOWED: Do NOT induce vomiting. Call a POISON CENTRE or doctor immediately.

IF ON SKIN: Take off all contaminated clothing. Wash with plenty of soap and water. Call a POISON CENTRE or doctor if you feel unwell. Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists get medical advice/attention.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.

CONDITIONS OF SALE

Adama New Zealand Limited will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than the responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by the Statutes applicable to the sale and supply of these goods. To the extent allowed by such Statutes the liability of Adama New Zealand Limited is limited to the replacement of the goods or (at the option of Adama New Zealand Limited) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to Adama New Zealand Limited within thirty days of delivery.



ADAMA

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Registered pursuant to the ACVM Act 1997, No. P009990

See www.foodsafety.govt.nz for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR101016

See www.epa.govt.nz for approval controls

Dart is a registered trademark of an ADAMA Group Company





EMERGENCY RESPONSE
(All hours)
Ring from anywhere in New Zealand
0800 734 607

**In a Transport
Emergency
Phone 111
Police or Fire**



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DIRECTIONS FOR USE

IT IS AN OFFENCE TO USE THIS PRODUCT OFF-LABEL. By law, this product must only be used according to label instructions.

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.

EPA Controls:

- Do not apply into or onto water; and
- This substance may be applied at a maximum rate of 2,400 g diazinon/ha (3 L DART 800/ha), with a maximum application frequency of 2 times per crop cycle.

The rates suggested are for high volume spraying to thoroughly wet the crop without runoff. For concentrate spraying, adjust dilution rates accordingly.

CROP	PEST	RATE	CRITICAL COMMENTS
Apples Pears (Non-bearing)	Overwintering San Jose scale, woolly apple aphid, aphids, leaf curling midge, mealy bug	60 mL/100 L of water	Apply at green tip in combination with a suitable spraying oil. Thereafter use DIAZOL INSECTICIDE (500 EW). DO NOT apply more than 2 applications of any diazinon product per season.
Cereals	Cereal aphids	800 mL in 200 L water/ha	For aerial spraying make two passes, each pass applying half of the total amount. DO NOT apply more than 2 applications per season.
Tomatoes (Outdoor)	Aphids, caterpillars, thrips	1 L/ha (100 mL/100 L) in 200-300 L of water/ha	Apply at first sign of insect pests and repeat when necessary. DO NOT apply more than 2 applications per season.
Seed crops (Grass, clover, vegetables, ryegrass)	Grass grub, carrot rust fly (carrot and parsnip seed crops only)	3 L in 150-250 L water/ha	Make ONE application. To ensure effective control of later infestations of grass grub and second/third generations of carrot rust fly, DART 800 should be applied by jet-squirt boom using at least 200 L/ha. Useful control may be obtained with jet-squirt without rain, but greatly improved control is likely if treatment is followed by heavy rain (at least 13 mm) or irrigation. Normal spray booms are effective only if heavy continuous rain prevents the spray from drying before it is washed into the soil.
Forage brassicas	Army caterpillar, diamondback moth	800 mL in 110-170 L water/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. DO NOT apply more than 2 applications per season.
	Springtails	350 mL in 200 L water/ha.	In germinating crops, apply 1-2 days before crop emergence. DO NOT apply more than 2 applications per season.
Pasture	Army caterpillar	800 mL in 200 L water/ha	Apply when the caterpillars are actively feeding in the early morning or later afternoon. DO NOT apply more than 2 applications per season.



CROP	PEST	RATE	CRITICAL COMMENTS
	Grass grub	3 L in 150-250 L water/hectare	Apply to closely grazed pasture, between February and April when grubs are feeding close to the surface but before damage has become severe. Best applied by jet-squirt boom using at least 150 L/ha and preferably 250 L/ha. Useful control of grass grub may be obtained with jet-squirt without rain, but greatly improved control is likely if treatment is followed by heavy rain (at least 13 mm) or irrigation. Normal spray booms are effective only if heavy continuous rain prevents the spray from drying before it is washed into the soil. DO NOT apply more than 2 applications per season.
	Porina caterpillar	1–1.5 L in 170-280 L water/ha.	Apply to closely grazed pasture. Use the heavier rate when caterpillars are numerous or the pasture dense. Best control of porina is obtained if spraying is followed by warm nights, even when rain falls, and the poorest control is obtained if frosty weather follows spraying. DO NOT apply more than 2 applications per season.
	Lucerne flea	350 mL in 200 L water/ha	Spray when the insects first appear in the autumn and repeat 4 weeks later if necessary. DO NOT apply more than 2 applications per season.

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, pears:	Use on non-bearing trees only
Cereals:	14 days
Forage brassicas:	Nil
Grass, clover and vegetable seed crops:	Use at sowing only
Pasture and fodder crops:	Nil
Tomatoes (outdoor):	14 days

WHEN SPRAYING FOR SURFACE FEEDING INSECTS, KEEP DUCKS, GEESE AND HENS OFF TREATED AREAS FOR 7 DAYS AFTER SPRAYING.

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, protective eyewear and appropriate respiratory protection must be worn at all times.

MIXING

Pour the correct quantity of DART 800 into the partly filled spray tank. Agitate and add the remainder of the water. When using in combination with wettable powders or flowable suspensions always add DART 800 last to the spray tank. Keep agitated whilst adding the remaining water.

COMPATIBILITY

Compatible with most commonly used wettable powder fungicides and insecticides. Do not mix with copper compounds, Bordeaux mixture or lime sulphur.



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APPLICATION

When the substance is applied indoors, the application must be carried out using automated application equipment.

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:

- I. The location of the application area.
- II. The date and approximate duration of each application.
- III. The steps to be taken by the notified parties to avoid exposure (e.g., closing windows and doors, moving laundry indoors, staying inside, etc.).
- IV. The name of the organisation(s) undertaking the application.
- V. Contact details for the person in charge of the application (phone, email or postal address, including a contact number for immediate contact during application).

RESISTANCE MANAGEMENT

DART 800 contains the GROUP 1 Acetylcholine esterase inhibitor insecticide, diazinon. Resistance to this product could develop from excessive use. To minimise this risk, use strictly in accordance with label instructions and resistance management strategies that exist for any insect pest or crop listed on the label. Refer to <https://nzpps.org/> for current resistance management strategies. Avoid using this pesticide exclusively all season and avoid unnecessary spraying. Maintain good cultural control practices.



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