



# Dimezyl<sup>®</sup> 40EC

Dimezyl 40EC is a broad spectrum ORGANOPHOSPHATE insecticide with systemic and contact action.

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<b><u>Active Ingredient:</u></b>	400g/litre dimethoate
<b><u>Chemical Group:</u></b>	Organophosphate
<b><u>Formulation:</u></b>	Emulsifiable concentrate
<b><u>Pack Size:</u></b>	5 Litre
<b><u>Compatibility:</u></b>	Compatible with most commonly used crop protection agents. Do not mix with strongly alkaline materials such as Bordeaux mixture and lime sulphur.

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- **Dimezyl<sup>®</sup> is an organo-phosphorus insecticide with both contact and systemic activity.**
- **Low use rates – highly cost-effective.**
- **Proven efficacy against Grain and Cereal aphids.**



- **Dimezyl<sup>®</sup> offers you highly cost-effective protection:**
  - Cereals (Wheat, Barley, Oats - Cereal and Grain Aphid)
  - Lucerne (Blue-Green Lucerne Aphid)
  - Pasture (Clover flea)
  - Fodder crops (Aphids and Springtails)



**WARNING:** Flammable liquid and vapour. May be harmful if swallowed, inhaled or absorbed through the skin. May cause eye and mild skin irritation. May cause neurological symptoms (See 'Symptoms of Poisoning' below) from repeated ingestion at high doses. Very toxic to aquatic organisms, terrestrial vertebrates and terrestrial invertebrates.

**ECOTOXICITY:** VERY TOXIC TO AQUATIC ORGANISMS. DO NOT contaminate an aquatic environment with chemical or empty container. DO NOT spray over, or allow drift to drift over, an aquatic environment. Must not be applied onto or into water. DO NOT allow drift outside the target area to occur. Spray must not be applied in an area where bees are foraging. Toxic to the soil environment. Very toxic to terrestrial vertebrates. Very toxic to terrestrial invertebrates.

**APPROVED HANDLER:** Required. **HANDLING PRECAUTIONS: EQUIPMENT:**

Apply using calibrated and maintained equipment in accordance with the NZ Standard for the Management of Agrichemicals (NZS8409). **Must be applied via ground-based methods only.**

**STORAGE:** Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from foodstuffs. Storage must be generally in accordance with the NZ Standard for the Management of Agrichemicals (NZS8409). **MAXIMUM APPLICATION RATE:** A maximum of 1.0 litre of Dimezyl 40EC can be applied per hectare, with a 3x crop cycle frequency.

**SPRAY DRIFT:** The person applying the 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.

**PERSONAL PROTECTIVE (PPE) AND RESPIRATORY PROTECTIVE EQUIPMENT (RPE):** Avoid contact with eyes and skin. Avoid inhalation of vapour or spray mist. When mixing or applying, wear chemical resistant overalls, chemical resistant boots and gloves, chemical resistant footwear plus socks, chemical resistant head gear, eye protection and respirator (organic vapour and particulate matter). 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. Avoid handling, mixing or use of the product or container near heat, flame or other source of ignition.

Do not use near air vents or ducts. Apply with well maintained and calibrated spray equipment.

**THIS PRODUCT IS VERY 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.

**NOTIFICATION:** Notification is only required for outdoor use, and when used in a wide dispersive manner. The person applying the substance in this situation must:

- Give written notice to anyone likely to be directly affected (such as owners and occupiers of land, property, buildings or houses immediately next to the application area).
- Ensure the notification is given at least 2 working days before, but no more than 4 weeks before, each application of the product.
- Ensure the written notice includes:
  - a) Where the product will be applied;
  - b) The date and approximate duration of each application;
  - c) The steps that notified parties should take to avoid exposure;
  - d) The name of the organisation(s) applying the product;
  - e) Contact details for the person in charge of the application (phone, email or postal address, including a contact number for immediate contact during application).

**RESTRICTED ENTRY INTERVAL (REI): The REI is 48 hours.** The person in charge is responsible for making sure no person enters the application area before the end of the REI.

**SPILLAGE:** Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely, according to local Council regulations.

**DISPOSAL:** Triple rinse empty container and add rinsate to spray tank. Triple rinsed containers should be taken to an AgRecovery collection site. Otherwise crush and bury in a suitable landfill. Do not burn empty containers.



**FIRST AID:** If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.

Begin artificial respiration if the victim is not breathing. Use mouth-to-nose rather than mouth-to-mouth. Obtain medical attention. If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

**Eye contamination:** If product or spray enters eyes, wash out immediately and continue rinsing with clean water for at least 15 minutes. Obtain medical attention.

**Skin contact:** After contact with skin, wash immediately with soap and water.

**FLAMMABLE LIQUID:** Do not store or use near heat or flame. Use dry chemical powder, water spray or fog to extinguish fires. Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

**SPILLAGES:** Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely (such as to a suitable landfill).

**RESISTANCE MANAGEMENT:** Dimezyl 40EC is a **GROUP 1B INSECTICIDE** from the organophosphate chemical group. Resistance to this pesticide and related pesticides may 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 listed on the label. Avoid using this insecticide exclusively all season and avoid unnecessary spraying. Maintain good cultural control practices.

Unless otherwise specified rates are suggested for high volume spraying to just before run-off. For concentrate spraying, adjust dilution rate accordingly.

**It is an offence to use this product on animals.**

**DIRECTIONS FOR USE:**

CROP	PEST	RATE	REMARKS
<b>Berryfruit</b> Strawberries Black Currants	Strawberry aphid Aphids	80 ml / 100 litres	Avoid treatment on hot days when plants are wilted.
<b>Cereals</b> (Wheat, Barley, Oats)	Cereal aphid Grain aphid	700 ml/ha. in 100-200 litres of water.	Use a rate of 800ml/ha. for aerial application
<b>Lucerne</b>	Blue-Green Lucerne Aphid	300-500 ml/ha. in 300-600 litres of water.	
<b>Orchards</b> Apples, Pears, Plums	Leaf hoppers, pear and cherry sawfly larvae.	50 ml / 100 litres.	Do not use on russet prone varieties after petal fall.
	Aphids, Mealy bug, Scale (crawler stage), leaf miners, Whitefly, thrips	80 ml / 100 litres.	
<b>Pasture</b>	Clover flea (Lucerne flea)	500-750 ml/ha. in 300-500 litres of water.	Treat pasture in Autumn at first sign of damage to clover. Respray at 6-8 week interval if reinvasion occurs. Use the higher rate in spring if pasture is to be closed for hay or silage and during periods of high infestations.
<b>Vegetables:</b> Brussel sprouts, Broccoli, Cabbage, Cauliflower  Peas Potatoes  Carrots	Cabbage aphid	800 ml / ha. in 500-1000 litres of water.	
	Aphids	"	
	Carrot aphid	"	

<b>Fodder Crops</b> e.g. Sugar beet, Fodder beet, Red beet, Marrow Stemmed Kale, Rape, Turnips, Swedes	Aphids and Springtails	800 ml – 1 litre / ha.	
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**IT IS AN OFFENCE for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residue Limits of Agricultural Compounds) Food Standards.**

**Withholding Periods:**

7 days – Lucerne, Pasture and Fodder crops.

14 days – Fruit, Vegetables and Cereals.

**Notes:**

- 1) **General.** Apply at first sign of attack and repeat as necessary depending upon climatic conditions and rate of re-invasion. Re-treatment is not normally required more frequently than 14 days.
  - Avoid treatment on hot dry days when plants are wilted. Under these conditions treat early morning or evening.
  - Delay spraying if rain is imminent.
  - Where a rate range is recommended use the highest rate to control severe attack.
- 2) **Wetting Agents.** The addition of a surfactant is recommended on hard-to-wet crops.
- 3) **Compatibility.** Dimezyl 40EC is compatible with most commonly used pesticides. Do not mix with strongly alkaline materials such as Bordeaux mixture and lime sulphur.