



Divap[®]

Divap is broad spectrum insecticide for the control of a wide range of insect pests in certain crops and industrial situations.

<u>Active Ingredient:</u>	1140g/litre dichlorvos
<u>Chemical Group:</u>	Organophosphate
<u>Formulation:</u>	Emulsifiable concentrate
<u>Pack Size:</u>	5 Litre
<u>Compatibility:</u>	Compatible with most commonly used fungicides and insecticides. Incompatible with highly alkaline materials.

- **Divap is an organophosphorus insecticide with strong contact and fumigant activity.**
- **Divap is quick acting and has limited residual activity.**
- **Excellent broad spectrum control.**
- **Divap offers short withholding periods for pre-harvest applications.**
- **Divap is also registered for use in public health applications.**
- **More active ingredient means reduced product application rates and less formulated chemical requirements.**



WARNING: May be harmful if swallowed, inhaled or absorbed through the skin. May cause eye and mild skin irritation. Suspected carcinogen. 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. Divap 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.

HANDLING PRECAUTIONS:

A person in charge of this product must ensure that a written record of each application is kept, to include quantity involved, application area and method, buffer zones and any notification signage required.

EQUIPMENT:

Apply using calibrated and maintained equipment in accordance with the NZ Standard for the Management of Agrichemicals (NZS8409). Divap 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).

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.

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.

CONTAINER DISPOSAL: Do not re-use empty container but triple rinse and add residue to spray tank, and then return to an AgRecovery depot for disposal. Avoid contamination of any water supply with chemical or empty container.



SYMPTOMS OF POISONING: These may include any of the following: excessive sweating, headache, weakness, faintness, giddiness, nausea, stomach pains, vomiting, small pupils, blurred vision and muscle twitching.

FIRST AID: If swallowed, or if any of the above symptoms occur, **call a doctor immediately**. If symptoms of poisoning are occurring give one atropine tablet every ¼ hour until the pupils enlarge, or use an automatic injection device according to instructions. **Take to hospital without delay**. Remove contaminated clothing and wash affected areas of skin. If concentrate is splashed in eye, flush with running water for at least 15 minutes. For advice, contact the **National Poisons Centre on 0800 POISON (0800764766)**.

SPILLAGE: In case of accidental spillage damp down with sawdust or other absorptive material then sweep up and bury in a safe landfill. Wear protective clothing. Use absorbent material to prevent the spread of the spillage. Block drains if possible. Sweep up contaminated material and place in drums for disposal in a manner acceptable to the appropriate authorities. For major spills, the Fire Service should be informed immediately, followed by local Health Protection Officers.

Divap is an organophosphate insecticide with strong contact and fumigant action against a wide range of insect pests of importance in public health and agricultural and horticultural crops. For use indoors against household pests (trained operators only) it has a “flushing” effect, with a limited residual activity.

WITHHOLDING PERIODS:

- Strawberries – 2 days
- Persimmons – 2 days
- Broccoli, Brussels sprouts, cabbage, cauliflower – 3 days
- Cucumbers (field/glasshouse), melons, pumpkins, winter squash – 3 days
- Asian green leafy vegetables, aubergines, baby leaf, lettuce – 3 days
- Capsicums, sweet pepper, tomatoes (field/glasshouse) – 3 days
- Beetroot, radish, turnip – 3 days
- Clover seed crops – 3 days
- All livestock re-entry into treated areas – 2 days

RESTRICTED ENTRY INTERVALS:

Outdoors**24 hours. Buffer Zone** (No application within 20m of a downwind Sensitive Area.

Indoors (Greenhouses)24 hours} Exclusion Zone (is for 2 hours, 20m outward from the **Indoors (non-Greenhouses)48 hours}** perimeter of the Enclosed Treated Area). Application must not be made if a Sensitive Area (dwellings etc) is located within the Exclusive Zone. Occupants of a Sensitive Area within 100m of the perimeter of the Enclosed Space (indoors) and Application Area (outdoors), must be given 12 hours’ notice (up to 48 hrs) before the start of the Application.

COMPATIBILITY: Divap is compatible with most insecticides and fungicides, but should not be used in conjunction with strongly alkaline materials such as Bordeaux mixture or lime sulphur.

Batch number and manufacturing date: See on packaging

- **IT IS AN OFFENCE TO USE THIS PRODUCT ON CROPS NOT SPECIFIED IN THE DIRECTIONS FOR USE.**
- **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.**
- **IT IS AN OFFENCE TO USE THIS PRODUCT ON ANIMALS.**
- **NOTE: AERIAL APPLICATION IS PROHIBITED.**
- **THE USE OF DIVAP IN SENSITIVE AREAS IS ALSO PROHIBITED. THIS INCLUDES, BUT IS NOT LIMITED TO ANY AREA WHERE A MEMBER OF THE PUBLIC COULD BE PRESENT.**

MAXIMUM HANDLING QUANTITY PER PERSON PER 24 HOUR PERIOD

- handgun, handheld fogger, knapsack.....13 mL
- dipping525 mL
- semi-fully automated sprayer/fogger.....1140 mL
- outdoor (boom, airblast)6.3 litres

AGRICULTURE AND HORTICULTURE

A. OUTDOORS

CROP	PEST	RATES	COMMENTS
Clover seed crops	Clover case bearer moths	130-190 mL/ha	Apply in 110-170 litres water when moths are prevalent. Repeat 7-10 days later if moth flights continue.
Hort Brassicas – (broccoli, Brussel sprouts, cabbage, cauliflower)	Aphids, caterpillars	300-650 mL/ha	Apply as a boom spray in 220-450 litres water/ha.
Cucurbits – (cucumbers, melons, pumpkins, winter squash)	Aphids, caterpillars, mites	440-700 mL/ha or 50 mL/100 litres	Apply as a boom spray in 220-450 litres water/ha.
Strawberries	Aphids, caterpillars, mites	440-700 mL/ha or 50 mL/100 litres	Apply as a boom spray in 220-450 litres water/ha.
Persimmons	Caterpillars and latania scale	90 mL/100 litres	Commence applications approximately 3 weeks from harvest. Repeat at 7-10 day interval.

Vegetables – Leafy (Asian greens, baby leaf, lettuce)	Aphids, caterpillars, mites	440-700 mL/ha	Apply as a boom spray in 220-450 litres water/ha.
Vegetables – Fruiting (capsicums, sweet peppers, tomatoes)	Aphids, caterpillars, mites	440-700 mL/ha	Apply as a boom spray in 220-450 litres water/ha.
Vegetables – Root (beetroot, radish, turnip)	Aphids, caterpillars, mites	440-700 mL/ha	Apply as a boom spray in 220-450 litres water/ha.
Ornamentals	Aphids, caterpillars, mites	440-700 mL/ha or 50 mL/100 litres	Boom spray: 220-450 litres water/ha. Mistblower: 60 litres water/ha. Handgun: Apply to run-off.

Phytotoxicity: Do not apply to the chrysanthemum varieties Dawn star and Hurricane, nor any taffetas or shastas. **Note:** Use the higher rate when crop is dense or insect infestations are heavy.

B. INDOORS

CROP	PEST	RATES	COMMENTS
Glasshouses (Aubergine, capsicum, cucumber, lettuce, sweet peppers, fresh tomatoes)	Aphids, mites, whiteflies, thrips, caterpillars	4mL/litre/100 cubic metres, or 20mL/5 litres	Apply as a fogging spray. Apply as a light spray.
Farm buildings, empty stables, piggeries and poultry houses	Flies, mites, mosquitoes, wasps	4mL/litre/100 cubic metres, or 9mL/2 litres/100 square metres	Apply as a fogging spray. Apply as a ground spray.
Farm buildings, empty stables, piggeries and poultry houses	Cockroaches, fleas	26mL/2 litres/100 square metres	Apply as a ground spray.

Keep buildings closed for at least 10-12 hours after treatment. Ventilate thoroughly 10-12 hours before recommencing work in treated buildings. Do not use where edible meat products are processed, packed or stored. Use in stockyards only when no stock is present. Avoid direct contact with dairy products. Use only on bagged or cartoned dairy products. Do not use near airducts or air inlets while they are in operation.

PUBLIC HEALTH OUTDOORS

SITUATION	PEST	RATES	COMMENTS
Fly breeding sites	Flies	13ml/5 litres/10 square metres	Wet the top 5-8cm of litter to control larvae.
INDOORS		(maximum rate is 4 ml/100 m³)	
Industrial plants, warehouses, food plants	Sandflies, houseflies, mosquitoes, wasps, ants, spiders, moths	4ml/litre /100 cubic metres	Apply as a cold fog.
	Grain moths, clothes moths, flour beetles, grain weevils, flour mites	18ml/ 2 litres /100 square metres	Do not apply as a fogging spray. Apply as a broadcast wet spray.
	Lice, bedbugs, fleas, cockroaches, silverfish	26ml/2 litres /100 square metres	

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Divap is registered pursuant to the ACVM Act 1997, Approval No. P6080

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