

**ECOTOXIC HERBICIDE.**  
**Not for use in home gardens**



**Versatill™**  
**PowerFlo™**

**HERBICIDE**

**ACTIVE INGREDIENT:** Contains 600 g/litre clopyralid as the dimethylammonium salt, in the form of a soluble concentrate.

**GROUP 03 HERBICIDE**

Controls a range of broadleaf weeds in amenity situations, non-crop areas, tree crops, certain arable crops, pastures, forests and conservation tillage.

**READ THIS LABEL COMPLETELY BEFORE MIXING OR APPLYING**

**Dow AgroSciences (NZ) Ltd**  
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[www.corteva.co.nz](http://www.corteva.co.nz)  
**Telephone 0800 803 939**

**HAZARD CLASSIFICATION:** 9.1C, 9.2A, 9.3C

**APPROVED HANDLER**

This product must be under the personal control of an approved handler when any quantity is:

- a) applied in a wide dispersive manner; or
- b) used by a commercial contractor.

**The person in charge of a place where VERSATILL POWERFLO is sold may sell it to a person only if he or she has received confirmation that there is an approved handler at the place where VERSATILL POWERFLO is to be used.**

**RECORD KEEPING**

Records of use, as described in the relevant HSNO regulations and the New Zealand Standard for the Management of Agrichemicals (NZS8409), must be kept when any quantity is being used in a place where members of the public may be present, or where the substance may enter air or water and leave the place.

**ECOTOXICITY**

**HARMFUL IN THE AQUATIC ENVIRONMENT. DO NOT** contaminate an aquatic environment with chemical or empty container. **DO NOT** spray over, or allow drift over, an aquatic environment. **VERSATILL POWERFLO** must not be applied onto, over or into water.

**HARMFUL TO TERRESTRIAL VERTEBRATES. DO NOT** allow animals or birds access to the undiluted material or unused spray mix.

**SELECTIVE HERBICIDE - VERY TOXIC TO SOME PLANT SPECIES.** Some plants may be damaged or killed by contact with this product. **DO NOT** allow drift outside the target area. Decontaminate equipment before use on sensitive plants (see Application Methods section). Use only according to label directions.

- **DO NOT** use for treating turf that will be mown and the clippings used for making compost; or made available for collection for, or deposited at, a municipal green waste recycling depot.
- **DO NOT** add treated plants to compost heaps or use as mulch within 12 months of treatment.
- **DO NOT** use treated plant material to make mushroom substrate.

**HANDLING PRECAUTIONS  
EQUIPMENT**

Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

Flush equipment thoroughly with clean water after use according to Cleaning Spray Equipment instructions below. Dispose of cleaning water according to the Disposal instructions below.

**STORAGE**

Store in the original container, tightly closed and in a locked, dry, cool, well ventilated area, well away from foodstuffs.

Storage must be generally in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409). Stores containing more than 100L of **VERSATILL POWERFLO** (or substances of the same hazard class) require signage and more than 1000L require bunding. See the Hazardous Substances Emergency Management and Identification Regulations and the New Zealand Standard for the Management of Agrichemicals (NZS 8409) for further information.

## PERSONAL PROTECTION

When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length chemical resistant gloves and a face shield or goggles. If applying by hand wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves, goggles and a disposable dust face mask covering mouth and nose. Wash hands after use. After each day's use wash gloves and contaminated clothing.

## SPILLAGE

**DO NOT** touch or walk through spilled material. Wear the protective equipment recommended above. Stop leak when safe to do so.

Dam area and prevent entry into waterways, and drains. **Small spills/leaks:** Absorb small spills with a proprietary absorbent suitable for chemical spills or inert material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal.

**Large spills/leaks:** Dam the area off and report them to Corteva Agriscience Emergency Services at 0800 844 455.

## DISPOSAL

Triple rinse empty containers except 100L returnables and add rinsate to spray tank. Triple rinsed 1, 5, 10 and 20L containers containing the Agrecovery logo on the label and that are free of all residues (liquid and dry) and have an intact legible label may be taken to an Agrecovery collection site. Otherwise crush or puncture and bury in a suitably approved landfill. **DO NOT** burn empty containers.

Returnable containers – 100L:

**DO NOT** tamper with the dry valves or security seal. **DO NOT** contaminate the drum with water or any other foreign matter. After each use of the product ensure that the dry valve coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained. Add the rinsings to the spray tank. When the drum is empty close all valves and return to the point of purchase. The drum remains the property of Corteva Agriscience and must be returned.

Dispose of equipment cleaning water onto ground away from susceptible crops and plants.

**DO NOT** dispose of this product, spray mix, or equipment cleaning water down drains or sewers.

## FIRST AID

If swallowed **DO NOT** induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If splashed in eyes, wash out immediately with water. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

## SAFETY DATA SHEET

A Safety Data Sheet for **VERSATILL POWERFLO** is available from Corteva Agriscience on request. Call Customer Service Toll Free on 0800 803 939 or visit [www.corteva.co.nz](http://www.corteva.co.nz).

## TRANSPORT

No restriction on the volume that may be carried on a passenger service vehicle.

## RESISTANCE MANAGEMENT

### GROUP 03 HERBICIDE

**VERSATILL POWERFLO** is a pyridine carboxylic-acid herbicide (Group 03). Some naturally occurring individual weeds may become resistant when excessive use of the same herbicide occurs. To maximise the effectiveness of herbicides, product containing alternate modes of action should be used in the spray program. Consult <http://resistance.nzpps.org/> for alternate modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

## NOTICE

**Important:** You **must** read the warning and conditions given on this label. If they are not acceptable, or if you are in doubt as to the proper handling of this product (including its transport, storage, use, disposal and requirements for approved handlers [if applicable]) then return the unopened product to the supplier at once.

**Warning:** This product is subject to controls and could be hazardous if handled incorrectly. The **user is responsible** for ensuring that the handling of this product is in accordance with the law (including the *Hazardous Substances and New Organisms Act 1996* and the *Agricultural Compounds and Veterinary Medicines Act 1997*) and with the directions provided. The Registrant declines all liability (whether in contract, tort (including but not limited to negligence), or otherwise) to the maximum extent permitted by law in relation to the handling of this product in a manner which is contrary to the directions given or to any applicable Acts, Regulations or Guidelines.

**Further information** regarding the applicable Acts, Regulations and Guidelines for the proper handling of this product may be obtained by contacting EPA New Zealand ([www.epa.govt.nz](http://www.epa.govt.nz)) or the Ministry for Primary Industries (MPI) ([www.foodsafety.govt.nz](http://www.foodsafety.govt.nz)).

This product is warranted to contain the specified active ingredients within accepted analytical tolerance when packed.

## ANIMAL SAFETY

Poisonous plants may become more palatable after spraying. If concerned that stock may be affected, stock should be kept away from the area until the plants have died down.

## APPLICATION METHODS

### Application:

**VERSATILL POWERFLO** should be applied using conventional ground or aircraft spraying equipment. Flush equipment thoroughly with clean water after use. **Decontaminate before using on plants that are sensitive to VERSATILL POWERFLO.** Crops susceptible to **VERSATILL POWERFLO** include, but are not limited to: clovers, fruit trees, legumes, ornamentals, potatoes, tomatoes, vegetables, and vine crops.

**Aerial spraying:** Use 200-400 L/ha water applied as a coarse quality spray as defined by British Crop Protection Council (BCPC) system or the American Society of Agricultural and Biological Engineers (ASABE S572). Apply with a calibrated aircraft using the half overlap opposite pass flying techniques.

**Boom spraying:** Use up to 300 L/ha water applied as a medium quality spray as defined by the BCPC system or the ASABE S572 standard.

**'Carpet' type weed wipers:** Follow the rotary weed wiper manufacturer's operating instructions to apply the herbicide mix. Ensure the wiper remains saturated while in use. Two passes in opposite directions are recommended. Drain and wash the wiper with water immediately after use.

**High Volume Gun Applications:** Ensure thorough coverage of all weeds using a No. 6 tip or similar at 1000-2000 kPa.

**Mistblower:** Follow the manufacturer's instructions and ensure thorough coverage.

**Knapsack Applications:** When using a knapsack for broadcast application use at least 400 L of spray mix/ha. For spot treatment ensure thorough coverage.

**IMPORTANT:** In order to select the appropriate nozzles for the required spray quality, and to operate the equipment to minimize spray drift, this product must be applied in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

#### **MIXING:**

**The following order should be followed:**

1. Quarter fill the spray tank and commence agitation.
2. Add any wettable powders or dry flowable formulations with continuous agitation. Ensure products are completely dissolved or suspended.
3. Add accurately measured volume of **VERSATILL POWERFLO**.
4. Add water to half fill the spray tank.
5. Add emulsifiable concentrates including selective grass herbicides or other broadleaf herbicides.
6. Add water to three quarters fill the spray tank.
7. Add Uptake™ Spraying Oil if required.
8. If other adjuvants or a wetting agent are to be used, add these according to their label.
9. Add water to bring to the final spray volume.

Only mix sufficient spray solution for immediate use and avoid storing.

**COMPATIBILITY: VERSATILL POWERFLO** is compatible with most commonly used herbicides and cereal fungicides/insecticides.

**RAINFASTNESS: DO NOT** spray **VERSATILL POWERFLO** if rain is likely within 3 hours.

#### **CLEANING SPRAY EQUIPMENT:**

##### Rinsing

After using **VERSATILL POWERFLO**:

- o Empty the spray tank completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain spray unit and clean any filters in the tank, pump, lines, hoses and nozzles.
- o After cleaning the spray unit as above, quarter fill with clean water and circulate the water through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.
- o Discard rinse water on land already sprayed or on wasteland away from desirable plants and water sources.

### Decontamination

Before using equipment with other products or on plants sensitive to **VERSATILL POWERFLO**:

- o Quarter fill the tank and add a standard alkali based laundry detergent at 500g (or mL)/100L water and circulate throughout the entire system for at least 15 minutes. If using a concentrated laundry detergent use 250 g (or mL)/100L water. **DO NOT** use chlorine based cleaners.
- o Drain the whole system. Remove filters and nozzles and clean them separately.
- o Finally, flush the system with clean water and allow to drain.

**Cleaning water should be discharged onto a designated disposal area, or onto unused land away from desirable plants and water sources.**

### 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.**

- No withholding period is required when used as directed, except for asparagus.
- **DO NOT** apply within 3 days of cutting asparagus (i.e. apply up to 3 days before cutting).

### CROP ESTABLISHMENT:

Brassicas, maize, cereal and ryegrass crops may be drilled any time after application of **VERSATILL POWERFLO**.

### CAUTION:

**DO NOT** plant susceptible crops (clover, peas, beans, potatoes, tomatoes, carrots, cucurbits) within 12 weeks of applying up to 0.25 litres/ha of **VERSATILL POWERFLO**. Where more than 0.25 L/ha is applied, **DO NOT** plant susceptible crops within 6 - 12 months of treatment without sowing a small area first to check soil residues.

### DIRECTIONS FOR USE:

#### GENERAL INFORMATION:

**VERSATILL POWERFLO** is selective to a wide range of crops, but will damage legumes, including clovers and Compositae species (daisy family). At 50 mL/ha clovers in pasture may be severely suppressed for 2-6 months. Above 50 mL/ha, clovers may be removed from the sward.

**SPORTS GROUNDS, GOLF COURSES (and other non-residential amenity situations), and NON- CROP AREAS:**

WEEDS	RATE		
	BROADCAST mL/ha	SPOT SPRAY	
		High Volume mL/100L	Knapsack mL/10L
Clover	350	35	8.5
Californian thistle	500	50	12.5
Bathurst burr, Daisy, Hawkesbeard, Hawkbit, Medics, Onehunga weed, Oxeye daisy, Narrow- leaved plantain, Thistles (annual and biennial).	500	50	12.5
Yarrow	500	50	12.5
Catsear, Fireweed	750	75	17.5
Ragwort, Sow thistle, Lotus.	1000	100	25
Cape daisy	500 - 1000	100	25
Hemlock, Lupin	Not recommended	50 100	12.5 25
Broom, Gorse	Not recommended	250	62.5
Old man's beard	6.0 – 12.5 L/ha	250	62.5
<b>CAUTION: DO NOT ADD TREATED PLANTS TO COMPOST HEAPS</b>			

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COMMENTS
Apply to actively growing plants.
Apply from rosette to early flower. Retreatment may be required.
Apply to actively growing plants.
Apply to actively growing foliage. Matted mature plants may need more than 1 application.
Apply to actively growing plants.
Apply to actively growing rosettes.
Apply to actively growing rosettes. Use low rate on seedlings.
Apply to actively growing plants.
Apply to actively growing plants Oct-Jan. Add Boost™ Penetrant to improve weed control.
<b>OR USE AS MULCH WITHIN 12 MONTHS OF TREATMENT.</b>

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Situation	Rate mL/ha
<b>SHELTER AND ORNAMENTAL TREES:</b>	500 - 1000

Comments
Apply as a directed spray. Use rates as for amenity areas. Shelter trees such as conifers, willows, poplars, <i>Casuarina</i> , <i>Cryptomeria</i> and <i>Eucalyptus</i> are tolerant. Many other trees and shrubs are also tolerant. Consult your Corteva Agriscience distributor for advice. If tolerance is not known, treat only a few plants to gain experience. <b>DO NOT</b> apply to legumes or <i>Compositae</i> .

### CROPS and PASTURES

Situation	Rate mL/ha
ASPARAGUS: (Established beds only). To control Californian thistle. Yarrow, clover and thistles.  <p style="text-align: center;"><b>Pre-cutting:</b> 250 – 500</p> <p style="text-align: center;"><b>During cutting:</b> 250</p> <p style="text-align: center;"><b>Post-harvest:</b> 250 – 500</p>	
<b>BEETS: FODDER AND SUGAR BEETS</b> for the control of Californian thistle and yarrow.	250 – 500
<b>FIELD BRASSICAS</b> for the control of Californian and other thistles and yarrow.	250 – 500

Comments
Apply up to 3 days before cutting. <b>DO NOT</b> cut within 3 days of treatment. Apply over spears. Use as a directed application if spears are opening or ferns are present. <b>CAUTION:</b> Some damage may occur if treatment is made over open spears or mature fronds. Apply after the 2 true leaf stage of the crop and before bulbous root formation. <b>VERSATILL POWERFLO</b> may be mixed with Betanal® Forte. Apply after the 2 true leaf stage of the crop and before it closes over.



## CROPS and PASTURES Cont.

Situation	Rate mL/ha
<b>CEREALS:</b> For the control of Californian thistle and yarrow.	150 – 500
For control of volunteer potatoes.	500

Situation	Rate
<b>FORESTRY:</b> (Radiata pine)	5 L/ha in mixture with Grazon™ at 1 L/ha

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Comments
Apply after the 2 true leaf stage of the crop and before the 2 node stage. To improve the spectrum of weeds controlled, <b>VERSATILL POWERFLO</b> may be tank mixed with Maestro™ or other cereal herbicides, and should be applied at the timing recommended for these herbicides.
CAUTION: <b>DO NOT</b> use straw from <b>VERSATILL POWERFLO</b> treated crops for mushroom substrate, compost or mulch.
Apply after the 2 true leaf stage of crop and before the 2 node stage. For volunteer potatoes, apply after full potato emergence but before tuber formation.

Comments
Apply to release trees from gorse, broom and wattles. Add Boost™ Penetrant to improve weed control. See specific instructions for spot spraying in Application Methods above. Temporary light tree damage, in the form of distortion, may occur particularly where trees are well above competing weeds. To suppress weeds and allow the trees to compete, apply to gorse and broom after flowering and during soft spring growth. Best results are obtained from treating gorse up to 1 metre high. For control of wattle, best results are achieved from treating actively growing plants less than two (2) metres tall. Good control of Acacia dealbata (silver wattle) and Albizia lophantha (brush wattle) is achieved. Acacia decurrens (green wattle) is NOT controlled.

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Situation	Rate
	<b>Hand gun:</b> 250 mL/100 L
	<b>Mistblower:</b> 20 mL/L/ or 100 mL/L ULV
<b>MAIZE AND SWEETCORN:</b> For the control of Californian thistle, yarrow and Bathurst burr. For control of volunteer potatoes.	250 – 500 mL/ha 500 mL/ha
<b>ORCHARDS:</b> Pipfruit, stone fruit and citrus. For control of weeds listed in the amenity non-crop section.	See amenity section
<b>PASTURES:</b> Difficult to control thistles.	50 – 100 mL/ha + MCPA or 2,4-D
Californian thistle	125 mL/10L in a carpet wiper.

Comments
Apply to full coverage through a No. 6 – 8 tip at 1000 – 2500 kPa. Add Boost Penetrant to improve weed control.
For ULV attachment use the No.3 or 4 hole. Add Boost Penetrant to improve weed control.
Apply after the maize and sweetcorn reaches the 3 leaf expanded stage but before crop closure. For volunteer potatoes apply after full potato emergence but before tuber formation.
Apply in the pre-flower or early post-flower period. Direct spray to minimise contact with trees.
To enhance the efficacy of the Pasture-Kleen™ Xtra or Maestro herbicides against difficult to control thistles (including phenoxy tolerant), add <b>VERSATILL POWERFLO</b> to the normal rate of the mixing partner.
A double pass will give best results. Add Boost Penetrant to improve weed control.

**CONSERVATION TILLAGE:**

**VERSATILL POWERFLO** controls a range of hard to control weeds such as clovers, Californian and other thistles, plantains and yarrow in conservation tillage programmes (minimum tillage or direct drilling).

<b>WEEDS</b>	<b>RATE/HECTARE mL/ha</b>
Clovers, narrow-leaved plantain, thistles	250-350
Californian thistle	500
Yarrow	500

For broad spectrum weed control in conservation tillage programmes, **VERSATILL POWERFLO** may be mixed with other herbicides such as glyphosate. Observe the directions and recommendations on the individual labels, when other products are tank mixed with **VERSATILL POWERFLO**.

<b>COMMENTS</b>
For best results apply to actively growing weeds.
Apply from rosette to early flower. Retreatment may be required.
Apply to actively growing yarrow, autumn to spring. For best results surface cultivate no less than one week after treatment.

Registered pursuant to the ACVM Act 1997, No P8801.  
See <http://www.foodsafety.govt.nz> for registration conditions.

Approved pursuant to HSNO Act 1996, EPA Approval Code HSR100844  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

**Registered to:**

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**Telephone 0800 803 939**

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**EMERGENCY RESPONSE**

(All hours)

Ring from anywhere in New Zealand

**0800 844 455 or**

**Globally +64 6 751 2407**

**IN A TRANSPORT EMERGENCY**

**DIAL 111**

**FOR POLICE OR FIRE**

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