

**WARNING**



# Preside™

## HERBICIDE

**ACTIVE INGREDIENT:** Contains 800g/kg flumetsulam in the form of a water dispersible granule.

GROUP	<b>2</b>	HERBICIDE
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**For post emergent management of broadleaf weeds in clover, lucerne, chicory, new and mature pasture and maize**

**READ THE LABEL BEFORE USE**

**NET CONTENTS:** 256 g (16 x 16g water soluble bags)

**Corteva Agriscience New Zealand Limited**

Private Bag 2017

New Plymouth 4342

[www.corteva.co.nz](http://www.corteva.co.nz)

Telephone: 0800 803 939



PRESIDE™ label

INFORMATION WITHIN THIS BOX IS NOT PART OF THE LABEL

26<sup>th</sup> October 2021

## **WARNING**



Hazardous to soil organisms

Hazardous to the aquatic environment (acute) Category 1

Hazardous to the aquatic environment (chronic) Category 1

## **QUALIFICATION REQUIREMENTS**

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

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

## **RECORD KEEPING**

Records of use, as described in EPA Hazardous Substances (Hazardous Property Controls) Notice 2017 regulations and the New Zealand Standard for the Management of Agrichemicals (NZS8409), must be kept if more than 3 kg of Preside™ is applied or discharged within 24 hours in a place where members of the public may be present or where the substance may enter air or water and leave the place.

## **ENVIRONMENTAL HAZARDS**

Very toxic to aquatic life with long lasting effects. Avoid release to the environment. DO NOT apply directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Hazardous to soil organisms.

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

## **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 the Cleaning Spray Equipment instructions below. Dispose of cleaning water according to the Disposal instructions below.

### **STORAGE**

Store in original container tightly closed and in a dry area, away from foodstuffs. Storage must be generally in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

Stores containing 100 kg or more of Preside™ require bunding and are subject to signage. See the EPA Hazardous Property Controls Notice 2017, Health and Safety at Work (Hazardous Substances) Regulations 2017 and the New Zealand Standard for the Management of Agrichemicals (NZS 8409) for further information.

## PERSONAL PROTECTION

When opening the container, preparing the product for use and applying the product wear cotton overalls buttoned to the neck and wrist, and water resistant boots. DO NOT eat, drink or smoke while using. Wash hands and face thoroughly after handling.

## SPILLAGE

DO NOT touch or walk through spilled material. Wear protective clothing as recommended above. Stop further spill occurring and prevent entry into waterways and drains. **Small spills:** 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. Seek advice from the SDS, product label or Corteva Agriscience regarding disposal. **Large spills:** Report large spills to Corteva Agriscience Emergency Services at 0800 844 455.

## DISPOSAL

When the foil bag is empty, shake any residual material into the spray tank. Shred and bury empty packaging in a local authority landfill. If no landfill available, bury the packaging below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty packaging and product should not be burnt.

## FIRST AID

For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.

## SAFETY DATA SHEET

A Safety Data Sheet for Preside™ 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).

## 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.

Registered pursuant to the ACVM Act 1997 No. P4815  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to HSNO Act 1996, EPA Approval Code HSR000458  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

<b>Registered to:</b> Corteva Agriscience New Zealand Limited Private Bag 2017 New Plymouth 4342 Telephone 0800 803 939 <a href="http://www.corteva.co.nz">www.corteva.co.nz</a>	<b>EMERGENCY RESPONSE</b> (All hours) Ring from anywhere in New Zealand <b>0800 844 455</b>  <b>or Globally</b> <b>+64 6 751 2407</b>	<b>IN A TRANSPORT EMERGENCY</b>  <b>DIAL 111</b>  <b>FOR POLICE OR FIRE</b>
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## MIXING INSTRUCTIONS:

Water soluble bags may be mixed directly with water in the spray tank or placed in the inlet filter prior to filling. Quarter fill the spray tank and add the required amount of Preside™. Add the remainder of the water, with the agitator running. Add the Uptake™ Spraying Oil last. Maintain agitation during spraying. Only mix sufficient spray solution for immediate use and avoid storing.

The water soluble bags should be kept in a dry environment so DO NOT remove packs from the outer container before they are needed. Avoid wetting water soluble bags before they are added to the spray tank. Be careful to avoid touching the water soluble bags with wet gloves.

**When tank mixing:** Preside™ should be added to the tank first followed by wettable powders or other dry flowable formulations, suspension concentrates (flowables) aqueous concentrates (e.g. MCPB Herbicide) emulsifiable concentrates and then add Uptake™ Spraying Oil last).

## COMPATIBILITY:

The addition of Select™ to Preside™ will increase the range of broadleaf weeds controlled. Refer to the Select label. Preside™ is compatible with other Corteva Agriscience pasture and crop herbicides and triazine herbicides. DO NOT mix triazine herbicides with Uptake™ Spraying Oil when spraying lucerne.

## APPLICATION

Preside™ can be applied using conventional ground or aircraft spraying equipment.

### Using the spray equipment:

The following application situations must use spray equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

**CDA Spraying:** For pasture weeds use not less than 30 litres water per hectare using spray equipment which will produce a droplet size of 250-300 microns. Trials indicate that CDA application may result in less effective weed control than conventional boom spraying.

**Boom Spraying (aerial and ground):** Use 100 – 300 L/Ha applied at least as coarse quality spray as defined by the British Crop Protection Council (BCPC) system or the American Society of Agricultural and Biological Engineers (ASABE - S572). For dense weed infestations use the higher rate to improve coverage. To minimise off target drift, it is recommended to spray when the wind speed is between 3 and 20 km/hr and avoid atmospheric inversion conditions.

## CLEANING OF SPRAY EQUIPMENT

Equipment MUST be decontaminated BEFORE and AFTER the application of Preside™.

### **Decontamination BEFORE using Preside™.**

If the equipment has been used to apply sulfonylurea compound and it is intended to add Uptake™ spraying oil to the Preside™ the equipment MUST be decontaminated according to the instructions on the sulfonylurea product label BEFORE using Preside™. Small amounts of sulfonylurea from the inside surfaces of the application equipment may severely affect legumes the crops being treated with Preside™.

### **Decontamination AFTER using Preside™.**

Flush equipment thoroughly with clean water after use. Decontaminate before using on plants that are sensitive to Preside™. Crops susceptible to Preside™ include, but are not limited to: all brassicas, beans, lupins, sunflowers.

### **Cleaning the spray equipment:**

#### **Rinsing**

After using Preside™, empty the spray unit completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain the spray unit, and clean any filters in the tank, pump, lines, hoses and nozzles.

After cleaning the spray unit as above, quarter fill with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

Discard rinse water on land already sprayed or on waste land away from desirable plants and water sources.

#### **Decontamination**

Before applying to sensitive crops with equipment that has been used to apply Preside™: Wash the tank and rinse the system as above, then quarter fill the tank and add a standard alkali based laundry detergent at 500 g (or mL)/100 L water and circulate throughout the system for at least 15 minutes. If using a concentrated laundry detergent use 250 g (or mL)/100 L water. DO NOT use chlorine based cleaners.

Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow to drain.

## **WITHHOLDING PERIODS**

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residues Levels for Agricultural Compounds.**

DO NOT graze crops or treated pasture for 14 days after treatment.

See also animal safety and crop rotation sections.

## **ANIMAL SAFETY**

Poisonous plants (e.g. including but not limited to giant buttercup and black nightshade) may become more palatable after spraying. If concerned that stock health may be affected, stock should be kept away from the treated area until plants have died down.

## **CROP ROTATION**

**DO NOT** plant susceptible crops until three months after application of Preside™. Susceptible crops include all brassica species, beans, lupins and sunflowers. DO NOT allow spray to drift onto susceptible crops or land to be planted with susceptible crops.

## RESISTANCE MANAGEMENT

GROUP

2

HERBICIDE

Preside™ is a triazolopyrimidine herbicide (Group 2). Some naturally occurring individual weeds may become resistant when excessive use of the herbicides from the same chemical group occurs. To maximize the effectiveness of herbicides, products containing alternate modes of action should be used in the spray program. Consult <http://resistance.nzpps.org/> for chemicals with alternate modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

### DIRECTIONS FOR USE

Preside™ will control or suppress broadleaf weeds in crops or pasture while selectivity to clovers and lucerne and chicory is preserved.

Apply to weeds in active growth. DO NOT apply in wet cold conditions.

ALWAYS use Uptake™ Spraying Oil at 1 L/Ha with Preside™. The only oil recommended for use with Preside™ is Uptake™ Spraying Oil.

Preside™ g/Ha	<u>WEEDS CONTROLLED</u>	CRITICAL COMMENTS
30	Chickweed, Spurrey, Wild Radish, Hedge Mustard.	Apply before 4th leaf.
50	Amaranthus (Redroot), Cleavers, Black Nightshade, Fathen, Shepherd's Purse, Mallow.  Annual Buttercup, Creeping Yellow Cress, Yellow Gromwell.	Apply before 4th leaf.  Apply before flowering.
65	Larger Weeds (above).  Stinking Mayweed, Wireweed, Sorrel.  Field Pansy, Henbit, Willow Weed, Oxeye Daisy.  Giant Buttercup	Apply to young seedlings.  Apply to young seedlings. Suppression only.  Apply before flowering.

#### **MATURE PASTURE:**

Preside™ may be applied in either spring or autumn for buttercup control. Repeat spring treatments for two successive seasons will maximise control of giant buttercup.

#### **DIRECTIONS FOR USING WATER SOLUBLE BAGS:**

This pack contains 16 X 16 gram water soluble bags.

As a guide to the number of 16 gram water soluble bags required per area for a given rate the following table may be used:

**Required number of 16 g Water Soluble Bags:**

Paddock area	Required rate		
	30 g/Ha	50 g/Ha	65 g/Ha
1 Ha	2	3	4
2 Ha	4	6	8
3 Ha	6	9	12
4 Ha	8	13	16
5 Ha	9	16	

**To calculate the number of water soluble bags for your spray mix:**

1. Determine the number of hectares to be sprayed.
2. Multiply this by the required use rate.
3. Divide by 16 and round off to the nearest whole number of packets.
4. Add this number of packets to the required water volume to cover the treated area.

**APPLICATION TIMING:**

CROP	CROP GROWTH STAGE
New Pasture	Use after clover has developed two trifoliolate leaves.
New and Established White Clover Seed Crops	Apply after the emergence of the 4 <sup>th</sup> trifoliolate leaf and before stolon elongation.
New and Established Red Clover Seed Crops and Subterranean clover	Apply after the emergence of the 6 <sup>th</sup> trifoliolate leaf and before stolon elongation.
Established Lucerne	Apply before flowering.
Maize	Apply at the 4 <sup>th</sup> leaf (90 mm plant height) stage.
New and Established Chicory	Apply after the emergence of the 4 <sup>th</sup> leaf.

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