Preside™

For post emergent management of broadleaf weeds in clover, lucerne, chicory, new and mature pasture and maize

HERBICIDE

READ THIS LABEL COMPLETELY BEFORE MIXING OR APPLYING

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

ECOTOXIC

GROUP B HERBICIDE

CONTENTS: 500g

Dow AgroSciences (NZ) Ltd
89 Paritutu Road
Private Bag 2017
New Plymouth 4342
Telephone 0800 803 939
www.dowagrosciences.co.nz

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INFORMATION WITHIN THIS BOX IS NOT PART OF THE LABEL
Revision Date: 2 November 2015
HAZARD CLASSIFICATION
9.1A, 9.2A

APPROVED HANDLER
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 relevant HSNO regulations and the New Zealand Standard for the Management of Agrichemicals (NZS8409), must be kept if more than 3kg 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.

ECOTOXICITY
VERY TOXIC TO AQUATIC PLANTS. Do not contaminate an aquatic environment with chemical or empty container. Do not spray over, or allow to drift over, an aquatic environment.

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 100kg or more of Preside require bunding and are subject to signage. See the Hazardous Substances Emergency Management and Identification Regulations and the New Zealand Standard for the Management of Agrichemicals (NZS8409).

PERSONAL PROTECTION
When mixing or applying wear cotton overalls and water resistant boots.

Do not eat, drink or smoke while using. Remove protective clothing immediately after handling this product and wash hands and face before meals and after work.

SPILLS
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. Seek advice from the SDS, product label or Dow AgroSciences regarding disposal. Large spills: Report large spills to Dow AgroSciences Emergency Services at 0800 844 455.
**DISPOSAL**

Dispose of this product only by using in accordance to the label via Agrecovery (visit [www.agrecovery.co.nz](http://www.agrecovery.co.nz) or call 0800 AGRECOVERY (247 326) for information about the type and quantity of chemical acceptable for disposal), or at an approved landfill. Do not burn.

Dispose of equipment cleaning water onto ground away from susceptible or edible 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.

**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.

**SAFETY DATA SHEET**

A Safety Data Sheet for Preside is available from Dow AgroSciences on request. Call Customer Service Toll Free on 0800 803 939 or visit [www.dowagrosciences.co.nz](http://www.dowagrosciences.co.nz).

**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.

**APPLICATION METHODS**

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

Equipment MUST be decontaminated BEFORE and AFTER the application of Preside.
**WARNING:**

**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 the crop 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 500g (or mL)/100L water and circulate throughout the system for at least 15 minutes. If using a concentrated laundry detergent use 250g (or mL)/100L 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.

**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).

**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.

**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.

**MIXING:**

For normal spray rigs with good bypass agitation, Preside granules may be mixed directly with water in the spray tank. 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.
Spray rigs with limited bypass agitation
When Preside is added to the spray tank for spray rigs that have limited bypass agitation, pre-disperse the Preside in a bucket of water, then add to the main tank.

Spray rigs with premix hoppers
For spray rigs that have a drop down chemical induction hopper, three-quarter fill this hopper with water and have the rinsing sprinkler operating. Add the Preside and when the granules are completely dispersed, transfer into the quarter filled main tank. Continue to rinse the hopper until all product has washed through.

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 last (if used).

WITHHOLDING PERIODS
It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residues Limits of Agricultural Compounds) Food Standards.

Do not graze crops or treated pasture for 14 days after treatment. See also animal safety and crop rotation sections.

RESISTANCE MANAGEMENT

Preside is a triazolopyrimidine herbicide (Group B). 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.

COMPATIBILITY:
The addition of Select™ to Preside will increase the range of broadleaf weeds controlled. Refer to the Select label for the appropriate rate. Preside is compatible with other Dow AgroSciences pasture and crop herbicides and triazine herbicides. Do not mix triazine herbicides with Uptake Spraying Oil when spraying lucerne.

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.

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 1L/ha with Preside. The only oil recommended for use with Preside is Uptake Spraying Oil.
### Preside g/Ha

<table>
<thead>
<tr>
<th><strong>WEEDS CONTROLLED</strong></th>
<th><strong>CRITICAL COMMENTS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Amaranthus(Redroot),Cleavers, Black Nightshade, Fathen, Shepherd's Purse, Mallow.</td>
<td>Apply before 4th leaf.</td>
</tr>
<tr>
<td>Annual Buttercup, Creeping Yellow Cress, Yellow Gromwell.</td>
<td>Apply before flowering.</td>
</tr>
<tr>
<td>Larger Weeds (above).</td>
<td></td>
</tr>
<tr>
<td>Stinking Mayweed, Wireweed, Sorrel.</td>
<td>Apply to young seedlings.</td>
</tr>
<tr>
<td>Field Pansy, Henbit, Willow Weed, Oxeye Daisy.</td>
<td>Apply to young seedlings.</td>
</tr>
<tr>
<td>Giant Buttercup</td>
<td>Suppression only.</td>
</tr>
<tr>
<td>Apply to young seedlings.</td>
<td>Apply before flowering.</td>
</tr>
</tbody>
</table>

### 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.

### APPLICATION TIMING:

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

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

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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
<table>
<thead>
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<th>Shipping Name:</th>
<th>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (FLUMETSULAM) Marine Pollutant</th>
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<tr>
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<td>HAZCHEM</td>
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DOM / Batch No.