

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

# Pelican

Selective Herbicide

ACTIVE CONSTITUENT: Diflufenican 500g/L

GROUP	<b>F</b>	HERBICIDE
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For control of certain weeds in clover-based Pasture, Field Peas, Lentils, Lupins and Oilseed Poppy as specified in the Directions for Use table

CHEMINOVA  
AUSTRALIA PTY LTD  
ABN 59 472 616 773  
ACN 110 199 169  
12 JULIUS AVE  
NORTH RYDE NSW 2113  
PH: 1800 624 597  
[www.cheminova.com.au](http://www.cheminova.com.au)

CONTENTS: 1L, 5L, 20L

 **CHEMINOVA**  
HELPING YOU GROW

## DIRECTIONS FOR USE

### RESTRAINTS

DO NOT apply if crop or weeds are wilted by dry or excessively moist conditions.

DO NOT apply to crops under stress due to pre-emergence herbicide, root disease, insect damage, nutrient deficiency, excessively moist or dry conditions or extremes of pH.

DO NOT apply to frost affected crops or if frosts are imminent.

DO NOT apply if heavy rain is expected within 4 hours.

CROP	WEEDS CONTROLLED	STATE	WEED STAGE	RATE	CRITICAL COMMENTS
Clover-based Pasture Field Peas, Lentils, Lupins	Wild Radish ( <i>Raphanus raphanistrum</i> )	WA only	Up to 2 leaf stage and not more than 60 mm in diameter	100 mL/ha	<p><b>CROP STAGE</b> Sow crop evenly to a depth of 20 to 50 mm.</p> <p><b>CLOVER-BASED PASTURE:</b> Apply post-emergence, not before the 3 trifoliolate leaf stage. <b>Warning:</b> Some species and varieties of clover may be more sensitive than others. Refer to legume tolerance table in the general instructions. DO NOT apply to medics or yellow serradella.</p> <p><b>FIELD PEAS:</b> Apply early post-emergence after the third node stage and before the start of flowering. <b>Warning:</b> Field peas grown on high pH soils in the presence of free lime may be less tolerant to this product.</p> <p><b>LENTILS:</b> Apply early post-emergence after the third node stage of the crop. <b>Warning:</b> Some lentil varieties may be more sensitive than others. DO NOT apply to Northfield variety. Avoid spray overlap.</p> <p><b>LUPINS: Post-emergence of Crop:</b> Apply post-emergence from the 2 leaf to the 6 leaf stage of crop (40 to 100 mm high). <b>Post-sowing, Pre-emergence of Crop (Not WA):</b> Apply in a tank mix with the recommended rate of post-sowing pre-emergence treatment of simazine. (The product should not be incorporated).</p>
			Up to 4 leaf stage and not more than 120 mm in diameter	150 mL/ha	
			Up to 6 leaf stage and not more than 180 mm in diameter	200 mL/ha	
		NSW, Vic, Tas, SA only	Up to 4 leaf stage and not more than 120 mm in diameter		
	Hedge Mustard ( <i>Sisymbrium officinale</i> )	WA only	Up to 2 leaf stage and not more than 60 mm in diameter	100 mL/ha	
	Indian Hedge Mustard ( <i>Sisymbrium orientale</i> )	NSW, Vic, Tas, SA, WA only	Up to 4 leaf stage and not more than 120 mm in diameter	150 mL/ha	
			Up to 6 leaf stage and not more than 180 mm in diameter	200 mL/ha	
	Wild Turnip ( <i>Brassica tournefortii</i> )				
	Turnip Weed ( <i>Rapistrum rugosum</i> )	NSW, Vic, Tas, SA, WA only	Up to 4 leaf stage and not more than 120mm in diameter		
	Charlock (Wild Mustard) ( <i>Sinapis arvensis</i> )	NSW, Vic, Tas, SA, only			
Deadnettle ( <i>Lamium amplexicaule</i> )					
Prickly Lettuce ( <i>Lactuca serriola</i> )		Up to 2 leaf stage and not more than 60mm in diameter			

CROP	WEEDS CONTROLLED	STATE	WEED STAGE	RATE	CRITICAL COMMENTS	
Clover-based Pasture Field Peas, Lentils, Lupins	Pheasants Eye ( <i>Adonis microcarpa</i> )	SA only	Up to 2 leaf stage and not more than 60mm in diameter	200 mL/ha	<p><b>APPLICATION AND WEED CONTROL</b> Apply when weeds are actively growing. For optimum results apply 4 to 6 weeks post-sowing.</p> <p>Application beyond 8 weeks post-sowing may result in reduced levels of weed control. In most situations the rate specified for each weed size will give satisfactory control. Under certain conditions such as: high crop and weed density, late season germinations, abnormal weed growth (including early flowering), higher rates of product (up to the maximum rate of application specified for that weed) may be required.</p> <p>This product will not effectively control: regrowth of suppressed weeds, transplanted weeds, regrowth from rhizomes or roots, weeds growing under stress from previous herbicide applications.</p> <p>The level of effective residual control may be reduced where: rates lower than 200 mL/ha are used, dry conditions prevail, poor coverage of the soil surface is achieved, crop is planted in non-wetting sand, soils have a high content of clay or organic matter. Where weeds are present at application, good spray coverage of the weeds is important. Apply before the crop canopy obscures weeds. Weed control may be reduced in areas where trash or burnt straw from previous harvest is dense, such as in header trails. Best results will be obtained if good soil moisture exists at and after application.</p>	
	<b>Suppression of the following weeds</b>					
	Capeweed ( <i>Arctotheca calendula</i> ) Crassula ( <i>Crassula</i> spp.) Corn Gromwell ( <i>Buglossoides arvensis</i> ) Marshmallow ( <i>Malva parviflora</i> ) Shepherd's Purse ( <i>Capsella bursa-pastoris</i> )	NSW, Vic, Tas, SA, WA only	Up to 4 leaf stage and not more than 120mm in diameter	200 mL/ha		
	Chickweed ( <i>Stellaria media</i> ) Hyssop Loosestrife ( <i>Lythrum hyssopifolia</i> ) Mouse-eared Chickweed ( <i>Cerastium glomeratum</i> ) Night-scented Stock ( <i>Matthiola longipetala</i> ) Skeleton Weed ( <i>Chondrilla juncea</i> ) Speedwell ( <i>Veronica hederifolia</i> )	NSW, Vic, Tas, SA only				
	Amsinckia ( <i>Amsinckia</i> spp.) Wireweed ( <i>Polygonum aviculare</i> )	NSW, Vic, Tas, SA only	Up to 2 leaf stage and not more than 60mm in diameter	200 mL/ha		
	Paterson's Curse (Salvation Jane) ( <i>Echium plantagineum</i> ) Rough Poppy ( <i>Papaver hybridum</i> )	NSW, Vic, SA only				
	Sorrel ( <i>Rumex acetosella</i> ) Toad Rush ( <i>Juncus bufonius</i> )	NSW, Vic, Tas, SA only				
	Stinging Nettle ( <i>Urtica urens</i> )	NSW only	Cotyledon stage			
Oilseed Poppy	Charlock ( <i>Sinapis arvensis</i> ) Hedge Mustard ( <i>Sisymbrium officinale</i> ) Indian Hedge Mustard ( <i>Sisymbrium orientale</i> ) Wild Radish ( <i>Raphanus raphanistrum</i> ) Wild Turnip ( <i>Brassica tournefortii</i> )	Tas only	Early post-emergence up to 4 leaf stage and not more than 120 mm in diameter	150 mL/ha (4-6 leaf crop stage) and/or 200 mL/ha (6-10 leaf crop stage)	<p><b>CROP STAGE</b> This product may be mixed with Reglone* or Asulox* based on recommendations from poppy contracting companies. DO NOT use in mixtures with Tramat*.</p> <p><b>APPLICATION AND WEED CONTROL</b> See comments on Clover-based Pasture, Field Peas, Lentils and Lupins.</p>	

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

**WITHHOLDING PERIOD:**

**NOT REQUIRED WHEN USED AS DIRECTED**

#### GENERAL INSTRUCTIONS

For use as an early post-emergence spray in clover-based pasture, field peas, lentils, and lupins. Pelican 500 SC may also be used as a pre-emergence spray on lupins in NSW, Vic, SA and Tas.

This product provides both contact and residual activity. Residual activity can be expected for up to 8 weeks after application under favourable growing conditions.

The shoots of germinating seeds and seedlings take up this product. Susceptible weeds germinate but show immediate chlorosis followed by a mauve-pink discolouration. The chlorosis spreads with the aerial growth and the plants become necrotic and die back.

After application, some transient crop discolouration may occur. In lentils and lupins, this usually appears as yellow or white banding on the leaves, while in clover and field peas, white/pink colouration of the leaf veins and tips may occur. Some crop height reduction may also occur.

Provided the crop is not under stress from pre-emergent herbicide, disease, insect damage, nutrient deficiency, frost, extremes of pH, dry or excessively moist conditions, the development of the crop and all subsequent growth will not be affected.

Some pre-emergence herbicides, such as atrazine, can cause stress to certain crops resulting in an increase in crop damage when using this product. Field peas are particularly sensitive.

## RESISTANT WEEDS WARNING

GROUP	F	HERBICIDE
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Pelican 500 SC Herbicide is a member of the Nicotinanilide group of herbicides. Pelican 500 SC has the inhibition of carotenoid biosynthesis mode of action. For weed resistance management Pelican 500 SC is a Group F Herbicide. Some naturally occurring weed biotypes resistant to Pelican 500 SC and other Nicotinanilides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by this product or other Nicotinanilide herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Ospray Pty Ltd accepts no liability for any losses that may result from the failure of Pelican 500 SC to control resistant weeds.

## CLOVER TOLERANCE TABLE

VARIETY	EFFECT ON VEGETATIVE GROWTH
Arrowleaf (Zulu)	Moderate
Balansa (Paradana)	Moderate
Persian (Kyambro)	Minimal
Strawberry (Palestine)	Moderate
Subterranean (Clare)	Moderate
Subterranean (June)	Moderate
Subterranean (Karridale)	Moderate
Subterranean (Larissa)	Moderate
Subterranean (Mt Barker)	Moderate
Subterranean (Seaton Park)	Minimal
Subterranean (Trikkala)	Minimal
Subterranean (Wooogenellup)	Moderate
White (Haifa)	Moderate
Reduction in growth – Minimal (0-20%), Moderate (20-50%)	

The following varieties of subterranean clover have been tested for effects on seed yield: Seaton Park, Trikkala and Wooogenellup. Some reduction in seed yield may occur with cv. Trikkala.

**Subsequent Crop Tolerance:** To reduce the effect on subsequent susceptible crops (eg. canola); ensure thorough cultivation of soil prior to the sowing of these crops.

## MIXING

Stir product or invert container several times before use as settling may occur after storage for some weeks. To ensure even mixing, half fill the spray tank with clean water and add the required amount of product. Agitate thoroughly then add the remainder of the water. Agitate thoroughly while carrying out spray operations. Reseal part-used container immediately after use.

## APPLICATION

**Ground:** A minimum water rate of 50 L/ha should be used, however, for optimum results water rates of 70-100 L/ha are recommended. Increase the water volume where weed infestation is heavy or the crop cover is dense. Complete coverage of weeds is essential. Higher water volumes (up to 100 L/ha) will ensure improved activity of the product on the weeds but may increase the symptoms of crop damage.

The following settings are examples that will ensure excellent coverage of exposed weeds:

WATER RATE	50 L/ha	75 L/ha	75 L/ha
NOZZLE	Hardi No. 10 or equivalent	Hardi No. 12 or equivalent	Hardi No. 14 or equivalent
SPEED	10 kph	10 Kph	12 kph
PRESSURE	240 kPa (2.4 bar)	220 kPa (2.2 bar)	210 kPa (2.1 bar)

## COMPATIBILITY

Pelican 500 SC is physically compatible with most currently registered grass herbicides as two-way tank mixtures.

PELICAN 500 SC	COMPATIBLE FORMULATIONS
Up to 150 mL	Simazine (500 g/L product) up to 1.0 L/ha
All rates	Certain formulations of Deltamethrin, Alpha-cypermethrin, Cyhella*, Danadim®, Le-Mat*, Bifenthrin, Metribuzin, Quinella®

**Warning:** For tank-mixtures with grass herbicides, use the recommended rates for both herbicides as well as the surfactant recommendations of the grass herbicide. Read the label for the grass herbicide before mixing and using the tank mixtures. DO NOT use crop oils with Pelican 500 SC herbicide tank-mixtures. Applications to lupins and field peas under stressed conditions may cause significant damage to the crop. Tank mixes with simazine should be applied post-emergence to lupin crops only. Increased crop effects may be experienced with the tank mix. DO NOT apply tank-mixtures to clover. When tankmixing Pelican 500 SC and Leopard or Targa, use a surfactant only. To minimize crop effects: apply Leopard a minimum of 5 days prior to Pelican 500 SC application or a minimum 10 days after Pelican 500 SC application (14-21 days if weeds or crop have been stressed). use a surfactant only. Mixtures of Pelican 500 SC and Verdict\* applied to lupins or field peas can cause damage that may result in yield losses. If tank mixing with a grass herbicide, observe the relevant directions on the grass herbicide label for application and timing of tank-mixtures.

As formulations of other manufacturers' products are beyond the control of Ospray Pty Ltd, all mixtures should be tested prior to mixing commercial quantities.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers, or waterways with the chemical or used containers. DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

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## STORAGE AND DISPOSAL

Keep out of reach of children. Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

## SAFETY DIRECTIONS

Avoid contact with eyes and skin. Wash hands after use.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

## SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet available from [www.Cheminova.com.au](http://www.Cheminova.com.au)

## WARNING

This product must be used, handled and stored strictly as directed in accordance with this label, packaging and other reference material ("Directions"). To the extent permitted by law Cheminova Pty Ltd and its related companies will have no liability for any injury, loss or damage arising from a failure to follow the Directions.

APVMA Approval No: 56819/0406

Batch No:

Date of Manufacture:

140404-T

Drummuster logo (relevant pack sizes)

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