

**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**



**PEEL HERE**

**ACTIVE CONSITUTENT: 500 g/L DIFLUFENICAN**

**GROUP F HERBICIDE**

For control of certain weeds in clover-based Pasture, Field Peas, Lentils, Lupins and Oilseed Poppy as specified in the Directions for Use Table.

**IMPORTANT: READ THIS LEAFLET BEFORE OPENING OR USING THIS PRODUCT.**

#### **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. 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 which is available from the supplier.

#### **LIMIT OF WARRANTY AND LIABILITY**

Axichem Pty Ltd warrants that this material conforms to the chemical description on the label. As the use of product sold is beyond the control of Axichem Pty Ltd, no responsibility whatsoever for any consequences is accepted in respect of this product, save those non-excludable conditions implied by any State and Federal legislation or law of a Territory. Not for repacking or reformulations. No licence under any non-Australian patent is granted or implied by purchase of this container.

APVMA Approval No: 64922/0610

Batch No:

Date of Manufacture:

**IN A TRANSPORT EMERGENCY  
DIAL 000  
POLICE OR FIRE BRIGADE**

**FOR SPECIALIST ADVICE IN AN EMERGENCY ONLY  
CALL 1800 039 008  
ALL HOURS AUSTRALIA WIDE**

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**DIRECTIONS FOR USE****RESTRAINTS**

**DO NOT** apply if crops or weeds are stressed due to 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 if frosts are imminent.

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

<b>CROP</b>	<b>WEEDS CONTROLLED</b>	<b>STATE</b>	<b>WEED STAGE</b>	<b>RATE</b>	
Clover-based pasture, Field Peas, Lentils, Lupins	Wild Radish ( <i>Raphanus raphanistrum</i> )	WA only	Up to 2 leaf stage and not more than 60mm in diameter	100mL/ha	
			Up to 4 leaf stage and not more than 120mm in diameter	150mL/ha	
			Up to 6 leaf stage and not more than 180mm in diameter	200mL/ha	
		NSW, ACT, Vic, Tas, SA only	Up to 4 leaf stage and not more than 120mm in diameter		
	Hedge Mustard ( <i>Sisymbrium officinale</i> ), Indian Hedge Mustard ( <i>Sisymbrium orientale</i> ), Wild Turnip ( <i>Brassica tournefortii</i> )	WA only	Up to 2 leaf stage and not more than 60mm in diameter	100mL/ha	
			NSW, ACT, Vic, Tas only	Up to 4 leaf stage and not more than 120mm in diameter	150mL/ha
			SA, WA only	Up to 6 leaf stage and not more than 180mm in diameter	200mL/ha
Turnip Weed ( <i>Raphistrum rugosum</i> )	NSW, ACT, Vic, Tas, SA, WA only	Up to 4 leaf stage and not more than 120mm in diameter			
Charlock ( <i>Wild Mustard</i> ) ( <i>Sinapis arvensis</i> ), Deadnettle ( <i>Lamium amplexicaule</i> )	NSW, ACT, Vic, Tas, SA only	Up to 4 leaf stage and not more than 120mm in diameter			
		Up to 2 leaf stage and not more than 60mm in diameter			
Prickly Lettuce ( <i>Lactuca serriola</i> )					
Pheasants Eye ( <i>Adonis microcarpa</i> )	SA only				

## CRITICAL COMMENTS

### **Crop Stage:**

Sow crop evenly to a depth of 20 to 50mm.

### **CLOVER BASED PASTURE:**

Apply post-emergence, not before the 3 trifoliolate leaf stage.

**Warning:** Some species and varieties of clover may be more sensitive. Refer to legume tolerance in the General Instructions. DO NOT apply to medics or yellow serradella.

### **FIELD PEAS:**

Apply early post-emergence after the third node stage and before the start of flowering.

**Warning:** Field peas grown on high pH soils in the presence of free lime may be less tolerant to AC Dice 500 Herbicide.

### **LENTILS:**

Apply early post-emergence after the third node stage of the crop.

**Warning:** Some lentil varieties may be more sensitive than others. DO NOT apply to Northfield Variety. Avoid spray overlap.

### **LUPINS**

Post emergence of Crop: Apply post emergence from the 2 leaf to the 6 leaf stage of crop (40-100mm high).

**Post sowing:** Pre-emergence of Crop (Not WA): Apply in a tank mix with the recommended rate of post-sowing pre-emergence treatment of simazine (AC Dice 500 Herbicide should not be incorporated).

### **APPLICATION AND WEED CONTROL:**

Apply when weeds are actively growing. For optimum results apply 4 to 6 weeks post-sowing.

Application beyond 8 week post-sowing may result in reduced levels of weed control. In most situations the rate specified for each weed size will give satisfactory control.

Continued...

CROP	WEEDS CONTROLLED	STATE	WEED STAGE	RATE
Clover-based pasture, Field Peas, Lentils, Lupins Continued	<b>Suppression of the following weeds:</b> Capeweed ( <i>Arctotheca calendula</i> ), Crassula ( <i>Crassula spp.</i> ), Corn Gromwell ( <i>Buglossoides arvensis</i> ), Marshmallow ( <i>Malva parviflora</i> ), Shepherd's Purse ( <i>Capsella bursa-pastoris</i> )	NSW, ACT, Vic, Tas, SA, WA only	Up to 4 leaf stage and not more than 120mm in diameter	200mL/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> )			
	Amsinckia ( <i>Amsinckia spp.</i> ), Wireweed ( <i>Polygonum aviculare</i> )	NSW, ACT, Vic, Tas, SA only	Up to 2 leaf stage and not more than 60mm in diameter	
	Paterson's Curse ( <i>Salvation Jane</i> ) ( <i>Echium plantagineum</i> ), Rough Poppy ( <i>Papaver hybridum</i> )	NSW, ACT, Vic, SA only		
	Sorrel ( <i>Rumex acetosella</i> ), Toad Rush ( <i>Juncus bufonius</i> )	NSW, ACT, Vic, Tas, SA only		
	Stinging Nettle ( <i>Urtica urens</i> )	NSW, ACT 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 the 4 leaf stage and not more than 120mm in diameter.	150mL/ha (4-6 leaf crop stage) and/or 200mL/ha 6-10 leaf crop stage

**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. AC Dice 500 Herbicide may also be used as a pre-emergence spray on lupins in NSW, ACT, 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.

## CRITICAL COMMENTS

Under certain conditions such as:

- High crop and weed density
- Last 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.

AC Dice 500 Herbicide will NOT effectively control:

- Regrowth of suppressed weeds
- Transplanted weeds
- Regrowth from rhizomes or roots
- Weeds growing under stress from previous herbicide applications

The level of effective residual control may be reduced where:

- Rates lower than 200mL/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.

Crop Stage: AC Dice Herbicide may be mixed with Diquat or asulam based products on recommendations from poppy contracting companies.

DO NOT use in mixtures with Tramat.

Application and Weed Control:

See comments of Clover-based Pasture, Field peas, Lentils and Lupins.

This product is taken up by the shoots of germinating seeds and seedlings. Susceptible weeds germinate but show immediate chlorosis followed by 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 reductions 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

<b>GROUP</b>	<b>F</b>	<b>HERBICIDE</b>
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AC Dice 500 Herbicide is a member of the nicotinilide group of herbicides and acts by inhibiting carotenoid biosynthesis. For weed resistance management AC Dice 500 Herbicide is a group F herbicide. Some naturally occurring weed biotypes resistant to AC Dice 500 Herbicide and other nicotinilides 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 AC Dice 500 Herbicide or other nicotinilide herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Axichem Pty Limited accepts no liability for any losses that may result from the failure of AC Dice 500 Herbicides to control resistant weeds.

### CLOVER TOLERANCE TABLE

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

Variety	Effect on Vegetative Growth
Arrowleaf (Zulu)	Moderate
Balansa (Paradana)	
Persian (Kyambro)	Minimal
Strawberry (Palestine)	Moderate
Subterranean (Clare, Juneë, Karridale, Larrisa, Mt Barker, Woogenellup))	
Subterranean (Trikkala, Seaton Park)	Minimal
White (Haifa)	Moderate
Reduction in growth	Minimal: 0-20%
	Moderate: 20-50%

### 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 of 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 50L/ha should be used, however, for optimum results water rates of 70-100L/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 100mL/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	10kph	10kph	12kph
PRESSURE	240kPa (2.4 bar)	220kPa (2.2bar)	210kPa (2.1bar)

## COMPATIBILITY

AC Dice 500 Herbicide is physically compatible with most currently registered grass herbicides as two-way tank mixtures.

AC Dice 500 Herbicide	Compatible Products
Up to 150mL	Simazine (500 g/L product) up to 1.0 L/ha
All rates	Insecticides: deltamethrin, dimethoate formulations, alpha-cypermethrin, lambda-cyhalothrin, omethoate and bifenthrin
	Herbicides: Metribuzin and haloxyfop

## WARNING

For tank-mixtures with grass herbicides, use the recommended rates for both herbicides as well the surfactant recommendations of the grass herbicide. Read the label for the grass herbicide before mixing and using the tank mixture. DO NOT use crop oils with AC Dice 500 Herbicide or AC Dice 500 Herbicide/grass 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 tank mixing AC Dice 500 Herbicide and haloxyfop products, use a surfactant only. Mixtures of AC Dice 500 Herbicide and haloxyfop products applied to lupins or field peas can cause damage that may result in yield losses. Consult your local Axichem representative or the relevant grass herbicide manufacturer for advice on application and tank-mixtures. As formulations of other manufacturers' products are beyond the control of Axichem 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 land or pastures.



## 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. 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 which is available from the supplier.

## LABEL ELEMENTS

<b>GHS Label Elements</b>	<b>Not Applicable</b>
<b>SIGNAL WORD</b>	<b>WARNING</b>
<b>Hazard Statement(s)</b>	
<b>H320</b>	Causes eye irritation.
<b>H412</b>	Harmful to aquatic life with long lasting effects.
<b>AUH066</b>	Repeated exposure may cause skin dryness and cracking.
<b>Precautionary statement(s) Prevention</b>	
<b>P273</b>	Avoid release to the environment.
<b>P264</b>	Wash all exposed external body areas thoroughly after handling.
<b>Precautionary statement(s) Response</b>	
<b>P305+P351+P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>P337+P313</b>	If eye irritation persists: Get medical advice/attention.
<b>Precautionary statement(s) Storage</b>	
	Not Applicable
<b>Precautionary statement(s) Disposal</b>	
<b>P501</b>	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

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