

**DRAFT PACK LABEL**

**FILENAME: RAPTORAS4a.DOC**

**RAPTOR\* HERBICIDE**

Active Constituent: 120g/L IMAZAMOX present as the ammonium salt.

GROUP	R	HERBICIDE
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**Infopest verifies that this label is consistent with  
the NRA Approved Text Label**

For the post-emergence control of certain annual grass and broadleaved weeds in field peas, peanuts and soybeans as specified in the DIRECTIONS FOR USE table.

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE**



**CYANAMID AGRICULTURE PTY. LIMITED**  
5 Gibbon Road, Baulkham Hills, N.S.W. 2153

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\* Registered trademark of American Cyanamid Company

## **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 500 mm 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.

## **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre (Telephone - 131126 - Australia-wide).

## **MSDS**

Additional information is listed in the Material Safety Data Sheet.

## **WARRANTY**

This product is designed only to be used in accordance with the label directions which reflect the opinion of experts based on field use and tests. If it is so used, Cyanamid Agriculture Pty. Limited warrants its effectiveness, but takes no responsibility whatsoever for the consequences of the user failing to follow these directions exactly.

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**THIS PRODUCT IS NOT CONSIDERED TO BE A DANGEROUS GOOD UNDER THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL.**

FOR SPECIALIST  
ADVICE IN AN  
EMERGENCY ONLY  
PHONE  
**1 800 033 111**  
TOLL FREE - ALL HOURS -  
AUSTRALIA WIDE

**PRODUCT NO:**

**BATCH NO:**

**DATE OF MANUFACTURE:**

**NRA APPROVAL NO.: 50853/0300**

**DRAFT LABEL LEAFLET**  
**FILENAME: RAPTORAS4a.DOC**

**RAPTOR\* HERBICIDE**

Active Constituent: 120g/L IMAZAMOX present as the ammonium salt.

GROUP	B	HERBICIDE
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For the post-emergence control of certain annual grass and broadleaved weeds in field peas, peanuts and soybeans as specified in the DIRECTIONS FOR USE table.

THIS LEAFLET IS PART OF THE LABEL.



**CYANAMID AGRICULTURE PTY. LIMITED**  
5 Gibbon Road, Baulkham Hills, N.S.W. 2153

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**DIRECTIONS FOR USE:**

**RESTRAINTS:**

Do NOT apply to crops or weeds stressed by factors such as root or foliar diseases, water logging, nutrient deficiencies or extremes of temperature and moisture.

CROP	WEEDS CONTROLLED	RATE PER HA.	CRITICAL COMMENTS
<b>Post-emergence</b> Field peas (Following varieties only: Alma, Bonzer, Dun, Dundale, Glenroy, Laura, Wirrega)	Barley grass ( <i>Hordeum leporinum</i> ), brome grass ( <i>Bromus</i> spp.), deadnettle ( <i>Lamium amplexicaule</i> ), Indian hedge mustard ( <i>Sisymbrium orientale</i> ), turnip weed ( <i>Rapistrum rugosum</i> ), volunteer barley ( <i>Hordeum vulgare</i> ), volunteer oats ( <i>Avena sativa</i> ), volunteer lupins ( <i>Lupinus</i> spp.), volunteer triticale ( <i>Triticosecale</i> spp.), volunteer wheat ( <i>Triticum aestivum</i> ), wild oats ( <i>Avena fatua</i> ), wild turnip ( <i>Brassica tournefortii</i> ), *doublegee ( <i>Emex australis</i> ), *shepherds purse ( <i>Capsella bursa-pastoris</i> ), *threehorn bedstraw ( <i>Galium tricornutum</i> ), * wild radish ( <i>Raphanus raphanistrum</i> ), *wireweed ( <i>Polygonum aviculare</i> )	250mL plus BS 1000, or equivalent, at 200mL per 100L water	Do NOT apply to field peas beyond the 4 node stage.  Do NOT use adjuvants other than BS 1000 or equivalent.  Apply to actively growing broadleaved weeds in the cotyledon to 3 leaf stage. Apply to grass weeds up to the 2 tiller stage.  Good crop growth will aid weed control. Weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded.  *Surviving plants will generally be retarded and will not compete with good crop growth.  Refer to crop safety section of label.  Refer to <b>FOLLOW CROPS</b> section of this label regarding follow crops.

CROP	WEEDS CONTROLLED	RATE PER HA.	CRITICAL COMMENTS
<b>Post-emergence</b> Soybeans, peanuts	Amaranth ( <i>Amaranthus</i> spp.), barley grass ( <i>Hordeum leporinum</i> ), barnyard grass ( <i>Echinochloa crus-galli</i> ), bell vine ( <i>Ipomoea plebeia</i> ), brome grass ( <i>Bromus</i> spp.), deadnettle ( <i>Lamium amplexicaule</i> ), fathen ( <i>Chenopodium album</i> ), fierce thornapple ( <i>Datura ferox</i> ), Indian hedge mustard ( <i>Sisymbrium orientale</i> ), liverseed grass ( <i>Urochloa panicoides</i> ), turnip weed ( <i>Rapistrum rugosum</i> ), volunteer barley ( <i>Hordeum vulgare</i> ), volunteer oats ( <i>Avena sativa</i> ), volunteer lupins ( <i>Lupinus</i> spp.), volunteer triticale ( <i>Triticosecale</i> spp.), volunteer wheat ( <i>Triticum aestivum</i> ), wild gooseberry ( <i>Physalis minima</i> ), wild oats ( <i>Avena fatua</i> ), wild turnip ( <i>Brassica tournefortii</i> ), * anoda weed ( <i>Anoda cristata</i> ), * barnyard grass ( <i>Echinochloa colona</i> ), * blackberry nightshade ( <i>Solanum nigrum</i> ), * caltrop ( <i>Tribulus terrestris</i> ), * chickweed ( <i>Stellaria media</i> ), * crabgrass ( <i>Digitaria ciliaris</i> ), * doublegee ( <i>Emex australis</i> ), * Noogoora burr ( <i>Xanthium pungens</i> ), * shepherd's purse ( <i>Capsella bursa-pastoris</i> ), * threehorn bedstraw ( <i>Galium tricornutum</i> ), * wild radish ( <i>Raphanus raphanistrum</i> ), * wireweed ( <i>Polygonum aviculare</i> )	300mL plus BS 1000, or equivalent, at 200mL per 100L water plus BOOST at 2L per 100L water.	Do NOT apply to crops beyond the 6 leaf stage.  Apply to actively growing weeds in the cotyledon to 2 leaf stage. Apply to grass weeds up to the 2 tiller stage.  * Surviving plants will generally be retarded and will not compete with good crop growth.  Refer to <b>FOLLOW CROPS</b> section of this label regarding follow crops.

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

#### **WITHHOLDING PERIODS:**

##### **GRAZING**

**Field peas: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER APPLICATION.**

**Peanuts, soybeans: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION.**

##### **HARVEST**

**Field peas, peanuts, soybeans: NOT REQUIRED WHEN USED AS DIRECTED.**

## GENERAL INSTRUCTIONS

This product is for early post-emergence weed control in field peas, soybeans and peanuts. Weeds will either die or remain stunted and will not compete with the crop. For weeds marked with an asterisk in the above table, the level of control will vary significantly depending on factors such as climatic conditions following application, crop vigour, weed seed depth, etc.

The non-ionic surfactant, BS1000 or equivalent, must be added when used in all three crops, while Boost liquid ammonium sulphate should also be added when used in peanuts and soybeans.

Good crop competition is essential for effective weed control.

## MIXING

RAPTOR Herbicide is an aqueous concentrate and mixes readily with water. Part fill the spray tank with water, then with the agitator running, add the required amount of product, then fill the tank with water. When tank mixing this product with other recommended compatible products, first add the other product to the tank and mix thoroughly before adding this product.

## APPLICATION

For ground application only: Apply with boom equipment in not less than 50 L/ha water using flat fan nozzles. Avoid overlap and do not overspray headlands.

Do NOT apply by aircraft.

RAPTOR Herbicide should be applied a minimum of two hours before rainfall or irrigation.

Do NOT apply RAPTOR more than once per growing season.

## EQUIPMENT CLEAN-UP

Thoroughly flush all spray equipment with water following the use of RAPTOR and before use with other products.

## COMPATIBILITY

The product is compatible with dimethoate, FASTAC\* Duo, phosmet, omethoate and endosulfan.

Do NOT tank mix with selective post-emergence grass herbicides. Do NOT apply these herbicides following use of RAPTOR until grasses have resumed active growth.

## RESISTANT WEEDS WARNING

GROUP	B	HERBICIDE
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RAPTOR Herbicide is a member of the Imidazolinone group of herbicides. The product has the ALS mode of action. For weed resistance management, the product is a Group B herbicide.

Some naturally-occurring weed biotypes resistant to the product and other ALS herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the population if these herbicides are used repeatedly. These resistant weeds will not be controlled by this product or other ALS herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Cyanamid Agriculture Pty Limited accepts no liability for any losses that may result from failure of this product to control resistant weeds.

**FOLLOW CROPS**

Under conditions, such as very dry seasons, which do not favour breakdown of this product, carry-over soil residues can affect susceptible follow crops. As environmental and agronomic factors make it impossible to eliminate all risks associated with this product, rotational crop injury is always possible. The following minimum re-cropping intervals (months after application) should be observed.

**Following use in field peas:-**

MONTHS AFTER APPLICATION		
0	10	21
field peas	chick peas faba beans lucerne lupins pasture legumes vetch *barley *wheat *triticale	All other crops including canola oats safflower

- \* The following additional requirements apply if it is intended to sow WHEAT, BARLEY or TRITICALE during the next winter season.
- \* Do NOT apply RAPTOR later than the end of August.  
Do NOT use RAPTOR in areas where rainfall from the time of spraying to sowing of cereals is expected to be below 200mm.

**Furthermore:**

Do NOT use on soils of pH 5.5 (CaCl<sub>2</sub>) or less in areas where rainfall from spraying to sowing of cereals is expected to be below 300mm.

**Following use in summer crops:-****Irrigated only:**

MONTHS AFTER APPLICATION			
0	5	10	18
mungbeans	*chick peas	**maize	All other crops (providing rainfall and irrigation exceeds 2000mm)
peanuts	*lucerne	**sorghum	
soybeans	*lupins	**cotton	
	*pasture legumes	**oats	
	*barley	**sunflower	
	*wheat		

- \* Do NOT plant these crops unless interim rainfall (rainfall plus irrigation) from application to sowing is at least 500mm.
- \*\* Do NOT plant these crops unless interim moisture (rainfall plus irrigation) from application to sowing is at least 800mm.

**Dryland only:**

MONTHS AFTER APPLICATION				
0	8	10	15	22
mungbeans	*lucerne	**chick peas	pasture legumes	All other crops (providing rainfall exceeds 2000mm)
peanuts	*barley	**maize	lupins	
soybeans	*wheat	**sorghum		
		**cotton		
		**oats		
		**sunflower		

\* Do NOT plant these crops unless interim rainfall from application to sowing is at least 500mm.

\*\* Do NOT plant these crops unless interim rainfall from application to sowing is at least 800mm.

**PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS**

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.

Do NOT spray within 50 m of wetlands or waterways.

**Crop safety:** This product may cause shortening of plant internodes and may in some circumstances lead to transient crop yellowing but plants will soon recover . This effect is more pronounced under poor growth conditions.

Do not use this product on field pea varieties other than Alma, Bonzer, Dun, Dundale, Glenroy, Laura and Wirrega.

**Replanting:** If replanting is necessary in a field previously treated with RAPTOR, the field may be replanted to field peas (above listed varieties only), soybeans or peanuts. Do NOT apply a second treatment of RAPTOR.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Toxic to aquatic flora. Do NOT contaminate streams, rivers or waterways with the chemical or used containers.

**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 500 mm 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.



## **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre (Telephone - 131126 - Australia-wide).

## **MSDS**

Additional information is listed in the Material Safety Data Sheet.

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