

# POISON

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

# Rambo<sup>®</sup>

Herbicide

ACTIVE CONSTITUENT: 745 g/L FLUPROPANATE present as the sodium salt

GROUP	J	HERBICIDE
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For the control of certain grasses as per the Directions For Use table.

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CONTENTS: 1L, 5L, 20L, 110L, 200L, 1000L

**DIRECTIONS FOR USE:**

Restrains:

**DO NOT** apply this product to steeply sloping sites when applying high rates recommended for perennial grass control.

**DO NOT** allow spray drift onto susceptible crops and ornamentals.

**DO NOT** spray near desirable trees.

CROP/ SITUATION	WEEDS CONTROLLED	STATES	RATE			CRITICAL COMMENTS
			Ground /ha	Air per ha	Spot Spraying / 100 L	
Industrial use	Paspalum ( <i>Paspalum dilatatum</i> )	Vic, Tas, SA, WA only	9 L	-	500 mL	Apply to existing growth during November to February inclusive. Apply the recommended rate of Rambo Herbicide in 800-2000 L of water per ha. Ensure that the spray completely wets all leaf surfaces. <b>Spot spraying:</b> spray thoroughly to ensure run-off.
	Kikuyu Grass ( <i>Pennisetum clandestinum</i> )					
	Couch ( <i>Cynodon dactylon</i> )					
	African Feathergrass ( <i>Pennisetum macrourum</i> )	Tas, WA only,	9 L	-	-	
Pastures and non-crop situations	Parramatta Grass ( <i>Sporobolus</i> spp.)	Qld, NSW, Vic, WA only	2 L	2 L	200 mL	Apply December to February inclusive. <b>Application volumes:</b> Pastures-Aerial: 40-80 L water per ha, Ground Boom Spray: 150 L water per ha Spot Spraying: NSW & Qld: 1000 L/ha or for a 15 L knapsack treat 150 m <sup>2</sup> .
	<i>Sporobolus</i> sp. such as Giant Parramatta Grass ( <i>S. fertilis</i> ), Giant Rat's Tail Fescue ( <i>S. pyramidalis</i> ) and <i>S. natalensis</i>	NSW only	1.5-2 L	-	200 mL	In Northern NSW apply from July to December inclusive, during the drier time of year. Use the higher rate for heavy infestations. To obtain better herbicide selectivity and less damage to desirable pasture species, apply when the pasture is dormant, semi-dormant. For example in NSW, the optimum application time is late winter and early spring. DO NOT apply in severe droughts or to weeds retarded by burning.
	African Love gGrass ( <i>Eragrostis curvula</i> )	Qld, NSW, WA only	3 L	-	300 mL	Apply July to December.
		Vic only				Apply July to December inclusive. All other Critical Comments as for Serrated Tussock
	Rats Tail Grasses	Qld, WA only	2 L	-	200 mL	Spray to run-off.
Urban open space, woodlands, roadsides, nature reserves and pastures	Needle Grasses ( <i>Nassella neesiana</i> , <i>N. leucotricha</i> , <i>N. hyalina</i> , <i>N. charruana</i> , <i>N. tenuissima</i> )	NSW, ACT, Vic, SA, WA only	1.5-3 L	-	200 mL + 150 mL 360 g/L glyphosate	Apply tank mix to actively growing plants from Spring to autumn. Apply once per year.
					100-300 mL	Calibrate spray equipment to apply 1000 L water per hectare. Apply to actively growing and stress free plants. Control will take 3-12 months depending on weather conditions and senescence of plant foliage. High rates will kill native grasses. Apply once per year. Avoid use in channels or drains. DO NOT re-seed treated areas until at least 100 mm of leaching rain has fallen.
Pastures and non-crop situations	Coolatai Grass (Small patchy infestations) ( <i>Hyparrhenia</i> spp)	NSW only	-	-	300 mL	Apply in winter and spring between the months of July and October. Apply using high volume spot spray applicators. Apply herbicide solution to Coolatai Grass to the point of run-off from leaf surfaces.

CROP/ SITUATION	WEEDS CONTROLLED	STATES	RATE				CRITICAL COMMENTS
			Ground / ha	Air	Wiper	Spot spraying /100 L	
Pastures and non- crop situations	Serrated Tussock ( <i>Nassella trichotoma</i> )	Vic, Tas, WA only	2 L	2 L	-	200 mL	<p>Apply during November to February inclusive. Graze to reduce cover of desirable species before spraying. <b>Re-seeding:</b> Desirable pasture species such as phalaris, cocksfoot, ryegrass, red and white clovers, subterranean clovers and lucerne must not be sown until at least 100mm of leaching rain has fallen. If drought conditions prevail defer sowing until next season. <b>Spot Spraying:</b> Spray to run-off at any time from spring through to autumn but observe above precautions on re-seeding.</p> <p><b>Application volumes:</b> Pastures Aerial: 40-80 L water per ha Ground Boom Spray: 150 L water /ha Spot Spraying: NSW &amp; Qld: 1000 L/ha or for a 15 L knapsack treat 150 m<sup>2</sup>.</p>
		Qld only	2 L	2 L	-	200 mL	
Pasture – broadacre treatment		NSW, ACT, Vic, WA only	1.5-2 L	1.5-2 L	1:20 via a rotating wiper	-	<p>Apply September to March and June to August inclusive.</p> <p>Aerial application: apply in a volume of 35-80 L of water. In more difficult country, use higher rates of water, anti-drift additives and larger droplets.</p> <p>Ground application: apply in a volume of 80-150 L. Use the lower rate on slate, shale and granite soils, use the higher rate on basalt soils.</p> <p>Rotating Wiper: graze heavily prior to treatment to ensure height differential between pasture and serrated tussock. In dense serrated tussock, stock may not graze heavily and some pasture damage may result. Apply as single or double pass.</p> <p>Winter application: avoid application in very dry winters.</p>
Pasture – broadacre treatment - to remove seedlings from improved pasture			0.5-2 L	-	-	-	<p>Apply September to February inclusive.</p> <p>Seedlings of serrated tussock are susceptible to shading and low rates of flupropanate. In all situations, use conservative stocking rates and fertilise to maintain a vigorous pasture after spraying. Use the lower rate for slate and granite soils. Serrated Tussock plants must be less than 10cm high, and have less than 80 leaves. Apply September to November before pastures “bolt” in the spring flush, or December to February when improved species are dormant.</p>
Pasture – broadacre treatment - spray topping			1.5-2 L + 0.6-1.25 L 360 g/L glyphosate + wetting agent	1.5-2 L + 0.6-1.25 L 360 g/L glyphosate + wetting agent	-	-	<p>Apply September to November inclusive.</p> <p>If applied after August, serrated tussock is still likely to set viable seed. To prevent seeding, the use of a knockdown spray may be applicable where it is acceptable to damage associated pasture species. Spray to wet plant – approximately 1000 L of prepared solution per hectare.</p> <p>Rotating wiper – Apply as a double pass 2 to 8 weeks before seed heads begin to emerge. Add a wetting agent at the recommended label rates. Will NOT kill serrated tussock but will reduce seeding. Graze heavily prior to treatment to ensure height differential between pasture and serrated tussock. In dense serrated tussock, stock may not graze heavily and some pasture damage will occur</p>

CROP/ SITUATION	WEEDS CONTROLLED	STATES	RATE				CRITICAL COMMENTS
			Ground per ha	Air	Wiper	Spot spraying /100 L	
Pasture – spot treatment - to destroy serrated tussock	Serrated Tussock ( <i>Nassella trichotoma</i> )	NSW, ACT, Vic, WA only	-	-	-	150-200 mL	Can be applied all year round. Calibrate spray equipment to apply to 1000 L water per hectare. The addition of a wetter to the glyphosate use pattern may prove beneficial. Lower rates of may be used on slate and granite soils. Use a dye marker. Area may need re-treatment in subsequent years. Flupropanate may take several months to affect plants. Seed set may be prevented by the addition of a knockdown herbicide, such as Glyphosate.
Pasture – spot treatment - to destroy serrated tussock and prevent seeding			-	-	-	150-200 mL + 120 mL 360 g/L glyphos ate	Apply September to November inclusive. To prevent seed set, spray before seedheads begin to emerge. See critical comments for Pasture, “spot treatment to destroy serrated tussock” above.

CROP/ SITUATION	WEEDS CONTROLLED	STATES	RATE			CRITICAL COMMENTS
			/ ha	/ 100L	Knapsack (15 L)	
Non-crop situations	Paspalum, Couch	Qld, NSW, WA only	9 L	500 mL	75 mL	For optimum results apply during active growth, preferably from November to April. Apply in 800- 2000 L water per ha. Spray must completely wet all surfaces. The addition of wetting agent is recommended. <b>Johnson Grass:</b> Spray when actively growing and not less than 30-50 cm high. Use 12 L in winter rainfall areas when rainfall is below 80 cm per annum. Use 18-22 L in summer rainfall areas or where rainfall exceeds 80 cm per annum. Follow up spraying may be required in following season. <b>Spot Spraying:</b> Spray thoroughly to run-off with the recommended dilution rates.
	Johnson Grass		12-22 L	1 L	200 mL	
	Kikuyu Grass	Qld, WA only	9 L	500 mL	75 mL	
	Columbus Grass	NSW, WA only	12-22 L	1 L	200 mL	
Note: The optimum timing of Rambo application to avoid damage to desirable pasture species and/or to allow Rambo residues to be leached from the soil prior to autumn re-seeding is the period November to February inclusive. Precautions on re-seeding and protection of pasture legumes must be observed.						

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

**WITHHOLDING PERIODS:**

**AREAS RECEIVING BLANKET TREATMENT (THAT IS TREATMENT OTHER THAN SPOT SPRAYING) ARE NOT TO BE GRAZED OR CUT FOR STOCK FOOD FOR AT LEAST 4 MONTHS AFTER SPRAYING.**

**AREAS RECEIVING SPOT SPRAY TREATMENT ARE NOT TO BE GRAZED OR CUT FOR STOCK FOOD FOR AT LEAST 14 DAYS AFTER SPRAYING.**

**STOCK IS NOT TO BE GRAZED IN RAMBO HERBICIDE TREATED AREAS FOR AT LEAST 14 DAYS PRIOR TO SLAUGHTER.**

**LACTATING COWS OR GOATS MUST NOT BE GRAZED IN RAMBO HERBICIDE TREATED AREAS**

**GENERAL INSTRUCTIONS**

#### RESISTANT WEEDS WARNING

GROUP	<b>J</b>	HERBICIDE
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Rambo Herbicide is a member of the alkanolic acids group of herbicides. Rambo has the inhibitor of fat synthesis mode of action. For weed resistance management Rambo is a Group J Herbicide. Some naturally occurring weed biotypes resistant to Rambo and other Group J herbicides 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 Rambo or any other Group J herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Cheminova Australia Pty Ltd accepts no liability for any losses that may result from the failure of Rambo to control resistant weeds.

## **IMPORTANT**

- This product is very slow acting and control of existing growth will take 3-12 months depending on weather conditions and senescence of plant foliage.
- The actual length of satisfactory residual control will depend on soil type and rainfall until regeneration occurs from grass seed or surviving rhizomes.
- Rambo is liable to leaching and movement in the soil under heavy rainfall or irrigation, and dry conditions favour its persistence in the soil.
- Avoid use in channels and drains and where roots of desirable plants may extend; and in other situations where desirable plants grow close to the treated area.
- Control of grasses growing in shaded conditions may be reduced.
- Subterranean clover and other annual legumes may be damaged by this product if exposed to the spray or if they germinate before product residues have dissipated from the soil. DO NOT treat pasture land with this product more than once per year.

## **MIXING**

This product is highly soluble in water and the required amount can be added direct to the spray tank while stirring or with the agitator running. When used in mixtures with dispersible powders, first make a slurry of the powder in a small quantity of water, add this to the half filled spray tank with the agitator running, and then add the required quantity of product and continue filling until the spray tank is full. Good agitation must be maintained during the spraying operation.

## **WETTING AGENT**

No wetting agent/surfactant needs to be added unless specifically stated in the directions for use table as the predominant mode of action is via root absorption of the herbicide and not by contact with the leaf surface.

## **COMPATIBILITY**

This product may be mixed with Glyphosate to improve knockdown of existing vegetation.

## **APPLICATION**

Boom spray equipment should be carefully calibrated to deliver the required volume of spray and checked to see that the nozzles are delivering a uniform spray pattern.

## **Paddock Preparation**

Graze to reduce cover of desirable species for spraying.

## **RE-SEEDING**

Desirable pasture species such as phalaris, cocksfoot, ryegrass, red and white clovers, subterranean clovers and lucerne may be sown after at least 100 mm of leaching rain has fallen. If drought conditions prevail defer sowing until next season.

## **CLEAN UP**

Equipment should be cleaned after use.

## **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.

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

**DO NOT** contaminate streams, rivers or waterways with the chemicals or used containers.

## **STORAGE AND DISPOSAL**

Store in the closed original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.

This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple or preferably pressure rinse containers before disposal. Dispose of rinsate by adding it to the spray tank. **DO NOT** dispose of undiluted chemicals on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection point or similar container management program site. The cap should not be replaced but may be taken separately.

If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the empty 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.

*Refillable containers:* Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

**SAFETY DIRECTIONS**

Avoid contact with eyes and skin. Do not inhale spray mist. When preparing the spray wear elbow-length PVC gloves and face shield or goggles. If product on skin, immediately wash area with soap and water.

After use and before eating, drinking or smoking, wash hands arms and face thoroughly with soap and water. After each day's use, wash gloves and face shield or goggles and contaminated clothing.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

**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 Australia 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: 56420/57851

Batch No:

Date of Manufacture:

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IN EMERGENCY ONLY  
PHONE 1800 033 111**

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*Drummuster logo (relevant pack izes)*