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

Apparent 

Rocky 745

HERBICIDE

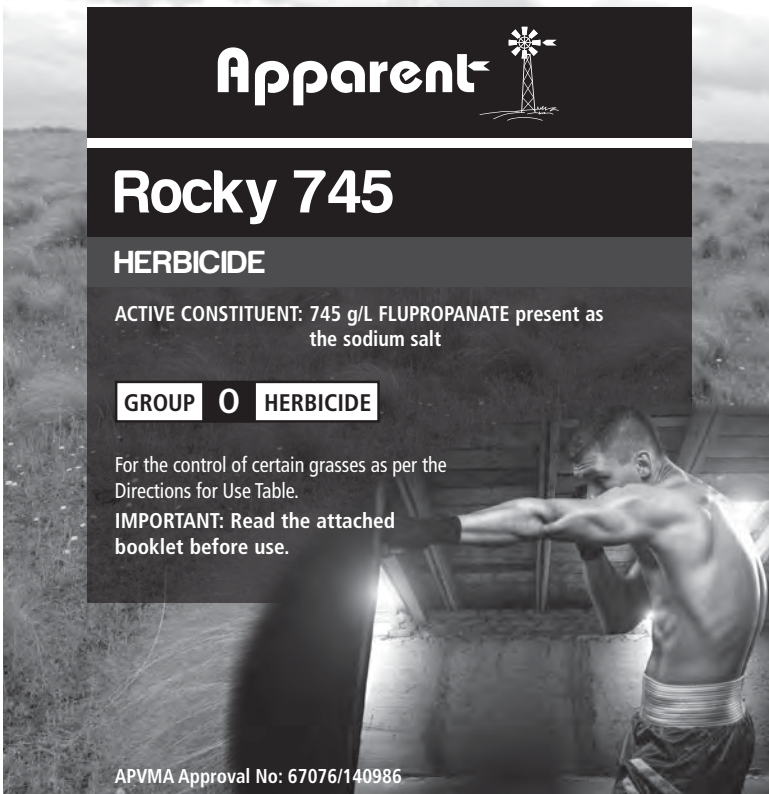
ACTIVE CONSTITUENT: 745 g/L FLUPROPANATE present as the sodium salt

GROUP O HERBICIDE

For the control of certain grasses as per the Directions for Use Table.
IMPORTANT: Read the attached booklet before use.

APVMA Approval No: 67076/140986

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DIRECTIONS FOR USE

RESTRAINTS:

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	STATE	RATE			
			Ground per ha	Air per ha	Wiper	Spot Spraying per 100 L
Industrial use	<i>Paspalum (Paspalum dilatatum)</i>	Tas, WA, SA and Vic. only	9 L	-		500 mL
	<i>Kikuyu grass (Pennisetum clandestinum)</i>					
	<i>Couch (Cynodon dactylon)</i>					
	<i>African Feathergrass (Pennisetum macrourum)</i>	Tas, WA only				
Pastures and non-crop situations	<i>Parramatta grass (Sporobolus spp.)</i>	Old, NSW, Vic, WA only				
	<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				
	<i>African love grass (Eragrostis curvula)</i>	NSW, WA only				
	<i>Rats tail grasses</i>	Vic. only				
	<i>Needle grasses (Nassella neesiana, N. leucotricha, N. hyalina, N. charruana, N. tenuissima)</i>	Old, WA only				
Urban open space, woodlands, roadsides, nature reserves and pastures		NSW, ACT, Vic, SA, WA only				
Pastures and non-crop situations	<i>Coolatai Grass (Small patchy infestations) (Hyparrhenia spp)</i>	NSW only				

CROP/ SITUATION	WEEDS CONTROLLED	STATE	RATE			
			Ground per ha	Air per ha	Wiper	Spot Spraying per 100 L
Pastures and non-crop situations	<i>Serrated Tussock (Nassella trichotoma)</i>	Vic, Tas., WA only	2 L	2 L	-	200 mL
	<i>Serrated Tussock (Nassella trichotoma)</i>	Old only	2 L	2 L	-	200 mL

CROP/ SITUATION	WEEDS CONTROLLED	STATE	RATE			
			Ground per ha	Air per ha	Wiper	Spot Spraying per 100 L
Pasture – broadacre treatment	<i>Serrated Tussock (Nassella trichotoma)</i>	NSW, ACT, Vic, WA only	1.5-2 L	1.5-2 L	1:20 via a rotating wiper	

RATE			CRITICAL COMMENTS	
Ground per ha	Air per ha	Spot Spraying per 100 L		
9 L	-	500 mL	Apply to existing growth during November to February inclusive. Apply the recommended rate of 'Apparent Rocky 745 Herbicide' in 800-2000 L of water per ha. Ensure that the spray completely wets all leaf surfaces. Spot spraying: spray thoroughly to ensure run-off.	
9 L	-	-		
2 L	2 L	200 mL	Apply December to February inclusive.	Application volumes: 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 ² .
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.	
3 L	-	300 mL	Apply July to December.	
2 L	-	200 mL	Apply July to December inclusive. All other Critical Comments as for Serrated Tussock (Vic.).	
1.5 – 3 L	-	200 mL	Apply tank mix to actively growing plants from Spring to autumn. Apply once per year.	
-	-	100 mL - 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.	
-	-	300 mL per 100 L water	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.	

CRITICAL COMMENTS	
Apply during November to February inclusive. Graze to reduce cover of desirable species before spraying. Re-seeding: Desirable pasture species such as phalaris, cocksfoot, ryegrass, red and white clovers, subterranean clovers and lucerne must not be sown until at least 100 mm of leaching rain has fallen. If drought conditions prevail defer sowing until next season. Spot Spraying: Spray to run-off at anytime from spring through to autumn but observe above precautions on re-seeding.	Application volumes: 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 ² .
Apply September to May inclusive. (See Note below)	

CRITICAL COMMENTS	
Apply September to March and June to August inclusive	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. 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. 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. Winter application: avoid application in very dry winters.

CROP/ SITUATION	WEEDS CONTROLLED	STATE	RATE			
			Ground per ha	Air per ha	Wiper	Spot Spraying per 100 L
Pasture – broadacre treatment - to remove seedlings from improved pasture	Serrated Tussock (<i>Nassella trichotoma</i>)	NSW, ACT, Vic, WA only	0.5-2 L	-	-	
Pasture – broadacre treatment - spray topping			1.5-2 L + 0.6-1.25 L Glyphosate 360 Herbicide + wetting agent	1.5-2 L + 0.6-1.25 L Glyphosate 360 Herbicide + wetting agent	-	-
Pasture – spot treatment - to destroy serrated tussock	Serrated Tussock (<i>Nassella trichotoma</i>)	NSW, ACT, Vic, WA only	-	-	-	150 - 200 mL
Pasture – spot treatment - to destroy serrated tussock and prevent seeding			-	-	-	150 - 200 mL + 120 mL Glyphosate 360 Herbicide

CROP/ SITUATION	WEEDS CONTROLLED	STATE	RATE		
			Per ha	Per 100 L	Knapsack (15 L)
Non-crop situations	Paspalum	Qld, NSW, WA only	9 L	500 mL	75 mL
	Couch				
	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	22-22 L	1 L	200 mL

Note: The optimum timing of 'Apparent Rocky 745 Herbicide' application to avoid damage to desirable pasture species and/or to allow 'Apparent Rocky 745 Herbicide' 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 PERIOD:

There are two withholding periods (WHPs), which apply one after the other for this chemical, and both must be observed. The first, the grazing and cutting WHP, depends on the type of spraying used.

Stock which have been grazed in treated areas after the grazing and cutting WHP has passed must then be moved to untreated areas or fed on clean feed for at least 14 days before slaughter. The requirement for moving animals from treated to untreated areas, or feeding them with clean feed for at least 14 days before animals are sent to slaughter, applies permanently to treated areas, whether spot sprayed or sprayed in some other way.

Spot Spraying: Spot spray treatment is the direct hand spraying of individual plants in an area with no spraying of any surrounding areas. Do NOT graze or cut for stock feed, areas which have received spot treatment, for at least 14 days after spraying: Do not graze stock in treated areas for at least 14 days prior to slaughter or being milked for human consumption.

Blanket treatment (treatment other than spot spraying): DO NOT graze treated areas or cut for stockfeed for 4 months after application. Do not graze stock in treated areas for at least 14 days prior to slaughter or being milked for human consumption.

CRITICAL COMMENTS	
Apply September to February inclusive	Seedlings of serrated tussock are susceptible to shading and low rates of fluopropate. 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 10 cm 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.
Apply September to November inclusive	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. 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.
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. Fluopropate may take several months to affect plants. Seed set may be prevented by the addition of a knockdown herbicide, such as Glyphosate.
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.

CRITICAL COMMENTS	
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. Johnson grass: 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. Spot Spraying: Spray thoroughly to run-off with the recommended dilution rates.	

GENERAL INSTRUCTIONS

RESISTANT WEEDS WARNING

GROUP 0 HERBICIDE

Apparent Rocky 745 Herbicide is a member of the alkanoids group of herbicides. Apparent Rocky 745 Herbicide has the inhibitor of fat synthesis mode of action. For weed resistance management Apparent Rocky 745 Herbicide is a Group 0 Herbicide.

Some naturally occurring weed biotypes resistant to Apparent Rocky 745 Herbicide and other Group 0 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 Apparent Rocky 745 Herbicide or any other Group 0 herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Apparent Pty Ltd accepts no liability for any losses that may result from the failure of Apparent Rocky 745 Herbicide 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.
- Apparent Rocky 745 Herbicide 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

Addition of 100 mL of a non-ionic surfactant (600 g/L) per 100 litres of spray is recommended.

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. Triple-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 deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

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 13 11 26. If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

SAFETY DATA SHEET

For further hazard information refer to the Safety Data Sheet (SDS) which is available from the supplier.

CONDITIONS OF SALE

The use of Apparent Rocky 745 Herbicide being beyond the control of the manufacturer no warranty expressed or implied is given by AIRR Apparent Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and AIRR Apparent Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.