

Product Name: GP FLUPROPANATE GRANULAR HERBICIDE
 APVMA Approval No: 61689 / 117958



Label Name:	GP FLUPROPANATE GRANULAR HERBICIDE
Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	86.9 g/kg FLUPROPANATE present as the sodium salt
Mode of Action:	GROUP J HERBICIDE
Statement of Claims:	A component of integrated management of Serrated Tussock, Giant Parramatta Grass, Giant Rats Tail Grass, Chilean Needle Grass, African Lovegrass and certain other grass weeds as per the Directions for Use
Net Contents:	750 g, 1 kg, 10 kg, 15 kg, 20 kg, 200 kg, 500 kg
Restrains:	DO NOT apply near desirable susceptible trees. Damage to seedling trees is possible. DO NOT allow drift onto susceptible crops or ornamentals. DO NOT apply in dry winters, severe droughts or to weeds retarded by burning. DO NOT apply onto desirable perennial or annual grasses such as phalaris, perennial ryegrass, tall fescue, Poa tussock or annual ryegrass. DO NOT apply in areas where deposited granules are accessible by the general public. This includes parks, gardens and recreational reserves, etc.
Directions for Use:	This section contains file attachment.
Other Limitations:	

Withholding Periods:	<p>Spot spraying Do not graze or cut for stock feed areas which have received a spot treatment for at least 14 days after spraying. If stock are grazed after the 14 days, do not slaughter or milk them for human consumption until they have been on clean feed for 14 days.</p> <p>Other spraying Do not graze or cut for stock feed areas which have received any treatment other than spot spraying, for at least 4 months after spraying. If stock are grazed in the treated areas after the 4 months, do not slaughter or milk them for human consumption until they have been on clean feed for 14 days.</p> <p>The requirement for moving animals from treated to untreated areas or feeding them with clean feed for at least 14 days before milk is collected for human consumption or animals are sent to slaughter, applies permanently to treated areas.</p>
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Trade Advice:	
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General Instructions:	<p>GENERAL INSTRUCTIONS</p> <ul style="list-style-type: none"> • This product is a granular formulation that is not mixed in water. It is an effective residual herbicide. • For best control, apply during periods of active plant growth. Application when vegetation is dormant, semi-dormant, under moisture stress or during winter months may not be as effective. • In temperate winter rainfall areas where temperatures are generally below 25°C during the period of active growth, overall effect may be slow to appear. For best control of perennials, apply during the months of spring in these areas. Sufficient moisture is required after treatment to promote root absorption by the weed species. • Results obtained may vary with rainfall, soil types and other conditions. • DO NOT apply during periods of intense rainfall, or under conditions, which will cause pellet movement to non-target areas. • DO NOT use this product via dust prone methods. Only use applicators specifically designed to dispense granular products. • DO NOT use human flaggers in aerial spraying unless protected by engineering controls such as enclosed cabs. <p>APPLICATION</p> <p>Aerial Aerial application of GP Flupropanate can be carried out by fixed wing aircraft or helicopter fitted with a calibrated Positive Metering Device (Transland Meterate Precision Applicator) for fixed wing aircraft and Isolair or similar precision equipment for helicopters, by operators accredited by Granular Products Pty Ltd. A minimum flying height of 15 meters above the canopy of the target must be maintained. The swath width is dependent on the type of spreader used and should be pattern tested for uniformity. Apply in accordance with FPQ's Code of Practice for Aerial Herbicide Application. DO NOT contaminate waterways (e.g. creeks, streams, standing ponds, estuarine habitats or water storage areas).</p> <p>Ground Ground application of GP Flupropanate can be carried out in suitable areas with a properly calibrated precision granular applicator (Silvan Ground Spreader) accredited by Granular Products Pty Ltd.</p> <p>Timing: May be applied all year round. Especially for broadacre treatments, best results are achieved when applied to actively growing stress free weeds, particularly in warm periods.</p>
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In areas with seasonal rainfall, useful application may be made prior to rainfall events that will bring plants into active growth (avoid runoff events).
 In the tablelands and cooler regions of SE Australia, useful application can be made just before growing seasons, to just prior to first frosts. Poor results have occurred when applied in dry winters.
 Poor results have occurred when applied in severe droughts or to weeds retarded by burning.

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.
- Avoid use in channels and drains and where roots of desirable plants may extend; and in other situations where 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 if exposed to this product or if they germinate before residues have dissipated from the soil.
- Do not treat pasture land with this product more than once a year.
- Excessive application rates above the recommended rate will reduce selective control and can cause significant impact on desirable species including sown perennial grasses.
- This product is liable to leaching and movement in the soil under heavy rainfall and where possible application should be delayed if intense rainfall is expected.

COMPATIBILITY

GP Flupropanate Granular Herbicide should be applied alone.

Paddock Preparation

Graze desirable species prior to spraying to prevent them covering weeds.

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.

CLEANING UP

Equipment should be cleaned after use.

Resistance Warning:

GP Flupropanate Granular Herbicide is a member of the alkonic acid group of herbicides. GP Flupropanate Granular Herbicide has the inhibitors of fat synthesis mode of action. For weed resistance management GP Flupropanate Granular Herbicide is a Group J herbicide. Some naturally-occurring weed biotypes resistant to GP Flupropanate Granular Herbicide and other inhibitors of fat synthesis mode of action 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 GP Flupropanate Granular Herbicide or Group J herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Granular Products Assets Pty Ltd accepts no liability for any losses that may result from failure of GP Flupropanate Granular Herbicide to control resistant weeds.

Precautions:

Protections:

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply the product on or near desirable trees or other plants, or on areas where their roots may extend. As guidance this is two times their height or more depending on the species and other conditions.

	<p>DO NOT apply the product in areas where a surface flow of water could wash the chemical into areas where the roots of desirable trees or plants may extend. DO NOT use in irrigation channels or in drains where water is discharged onto pasture land or crop land, on lawns, walkways, driveways or tennis courts. DO NOT empty equipment in above situations.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT Dangerous to fish. Keep animals away from treated areas. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.</p>
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Storage and Disposal:	<p>Store in the closed original container in a dry well ventilated area, as cool as possible. DO NOT store for prolonged periods in direct sunlight. DO NOT re-use container or packaging. During storage keep from contact with fertilisers, other pesticides and seeds. Shake empty into application equipment. Do not dispose of undiluted chemicals on site. 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.</p>
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Safety Directions:	<p>May irritate the eyes and skin. Avoid contact with eyes and skin. When using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow length chemical resistant gloves and a disposable dust face mask covering the mouth and nose. Wash hands after use. After each days use, wash gloves, and contaminated clothing.</p>
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First Aid Instructions:	<p>If poisoning occurs contact a doctor or Poisons Information Centre. Telephone: Australia 13 11 26; New Zealand 0800 764 766. If skin contact occurs, remove contaminated clothing and wash skin thoroughly.</p>
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First Aid Warnings:	
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DIRECTIONS FOR USE

Crop/ Situation	Weeds Controlled	States	Rate			Critical Comments
			Ground per ha	Air per ha	Spot Application	
Industrial use	Paspalum (<i>Paspalum dilatatum</i>)	Tas., WA, SA and Vic. only	67.5 kg	-	6.75 g/m ²	Apply February to December inclusive. Spot Application: Apply all year round
	Kikuyu grass (<i>Pennisetum clandestinum</i>)					
	Couch (<i>Cynodon dactylon</i>)					
	African Feathergrass (<i>Pennisetum macrourum</i>)	Tas., WA only	67.5 kg	-	6.75 g/m ²	
Pastures and non- crop situations	Weedy Sporobolus species such as Parramatta grass (<i>Sporobolus africanus</i>), Giant Parramatta Grass (<i>Sporobolus fertilis</i>), Giant Rat's Tail grasses (<i>Sporobolus pyramidalis</i> and <i>Sporobolus natalensis</i>)	All States	15 kg	15 kg	1.5 g/m ²	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 autumn and early spring. DO NOT apply in severe droughts or to weeds retarded by burning. Spot Application: Apply all year round.
	African Lovegrass (<i>Eragrostis curvula</i>)	All States	22.5 kg	22.5 kg	2.25 g/m ²	Apply February to December inclusive. Refer to Critical Comments as for Serrated Tussock.
	Coolatai Grass (Small patchy infestations) (<i>Hyparrhenia</i> spp.)	NSW, Qld, Vic, SA, WA only	22.5 kg	22.5 kg	2.25 g/m ²	Apply in winter and spring between the months of April and October. SUPPRESSION ONLY: Graze to reduce cover of desirable species before application. 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 Application: Apply all year round.

Crop/ Situation	Weeds Controlled	States	Rate			Critical Comments
			Ground per ha	Air per ha	Spot Application	
	Serrated Tussock (<i>Nassella trichotoma</i>)	All States	15 kg	15 kg	1.5 g/m ²	Apply February to December inclusive. Graze to reduce cover of desirable species before application. 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. Timing: Ideally, apply GP Flupropanate during the vegetative stage of growth of Serrated tussock to allow sufficient time for herbicide to take effect prior to flowering. This may be at least 3 months before flowering, depending on rainfall. Spot Application: Apply all year round.
	Cane grass/Thatch grass, Jaragua grass	QLD, Only	22.5 kg	22.5 kg	2.25 g/m ²	Apply February to December inclusive. Spot Application: Apply all year round.
Urban open space, woodlands, roadsides, nature reserves, pastures and non-crop situations	Needle grasses (<i>Nassella neesiana</i> , <i>N. leucotricha</i> , <i>N. hyalina</i> , <i>N. charruana</i> , <i>N. tenuissima</i>)	All States	22.5 kg		2.25 g/m ²	Apply February to December inclusive. Apply to actively growing and stress free plants. Graze to reduce cover of desirable species before application. 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 Application: Apply all year round.

Crop/ Situation	Weeds Controlled	States	Rate			Critical Comments
			Ground per ha	Air per ha	Spot Application	
Commercial Forestry <i>Araucaria</i> , <i>Corymbia</i> , <i>Eucalyptus</i> and <i>Pinus</i> species	Serrated Tussock (<i>Nassella trichotoma</i>), <i>Sporobolus</i> sp. (Giant Rat's Tail Grass, Giant Parramatta grass)	All States	15 kg	15 kg	1.5 g/m ²	Apply February to December inclusive. Optimal control of invasive grasses will be achieved with aerial control and when canopy has not fully enclosed. Best results with light to medium canopies. Spot Application: Apply all year round.
	African Love Grass (<i>Eragrostis curvula</i>), Needle grasses (<i>Nassella</i> sp.)		22.5 kg	22.5 kg	2.25 g/m ²	
Non Crop Situations	Paspalum Couch Kikuyu grass	Qld, NSW, WA only	67.5 kg		6.75 g/m ²	Apply February to December inclusive. Spot Application: Apply all year round

Note: The optimum timing of GP Flupropanate application to avoid damage to desirable pasture species and/or allow GP Flupropanate residues to be leached from 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