

Product Name: GP Regain 750 WG Herbicide
APVMA Approval No: 85600/113721



Label Name:	GP Regain 750 WG Herbicide
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Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	750 g/kg TEBUTHIURON
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Mode of Action:	GROUP C HERBICIDE
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Statement of Claims:	For the control of sporadic young PRICKLY ACACIA, PARKINSONIA, MIMOSA PIGRA and certain problem woody weeds on western large scale naturally open grazing lands as specified in the Directions For Use Table by handgun, aerial and ground application.
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Net Contents:	500 g - 500 kg
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Restrains:	<p>Restrains:</p> <p>DO NOT apply by fixed wing aircraft when wind speeds exceed 14 km/h, DO NOT apply this product to salt or erosion prone areas. DO NOT apply REGAIN 750 WG on land with a slope greater than 20 percent (11 degrees). DO NOT apply product by open cab ground boom DO NOT apply product by spraying equipment carried on the back of the user</p> <p>Spray Drift Restrains</p> <p>DO NOT apply with spray droplets smaller than a COARSE spray droplet size category according to 'APVMA Compliance Instructions for Mandatory COARSE or Larger Droplet Size Categories' located under this title in the GENERAL INSTRUCTIONS section of this label.</p> <p>DO NOT apply when wind speed is less than 3 or more than 20 kilometres per hour, as measured at the application site. DO NOT apply during surface temperature inversion conditions at the application site.</p>
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	<p>Users of this product MUST make an accurate written record of the details of each spray application within 24 hours following application, and must KEEP this record for at least 2 years. The spray application details that must be recorded are:</p> <p>1 date with start and finish times of application 2 location address and paddock(s) sprayed 3 full name of this product 4 amount of product used per hectare and number of hectares applied to 5 crop or situation and weed or pest 6 wind speed and direction during application 7 air temperature and relative humidity during application 8 nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application 9 name and address of person applying this product. (Additional record details may be required by the state or territory where this product is used.)</p> <p>MANDATORY NO-SPRAY ZONES DO NOT apply if there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers downwind from the application area and within the mandatory no-spray zones shown in the table below.</p> <p>(table 1 attached)</p> <p>DO NOT apply if there are sensitive crops, gardens, landscaping vegetation, protected native vegetation or protected animal habitat downwind from the application area and within the mandatory no-spray zones shown in the table below.</p> <p>(table 2 attached)"</p> <p>This section contains file attachment.</p>
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Directions for Use:	This section contains file attachment.
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Other Limitations:	<p>FOR NATIVE VEGETATION Use of Regain 750 WG on native vegetation must be done in accordance with STATE and / or LOCAL legislation, including the Vegetation Management Act 2000 in Queensland.</p>
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Withholding Periods:	DO NOT graze or cut for stockfood for 14 days after application.
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Trade Advice:	
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General Instructions:	<p>GENERAL INSTRUCTIONS REVIEW THE RESTRAINTS BEFORE READING THESE INSTRUCTIONS.</p> <ul style="list-style-type: none"> • Regain 750 WG may be applied at any time of the year. Treatments become effective after sufficient rainfall has occurred to move the chemical into the root zone where it is absorbed by woody plants. Applications prior to seasonal rainfall give the most rapid response. • Herbicidal activity will continue for several seasons after application. During this time woody plants may go through repeated defoliations and regrowths until death occurs. A single application is normally effective for several years. Forage grass production usually increases as woody weed competition is reduced. Increased grass production is also dependent on adequate rainfall and an acceptable grazing management programme. • It is important to allow grasses to seed and seedlings to become established after treatment before grazing pressure is increased. Areas treated Regain 750 WG may be over-seeded with suitable pasture species. Consult your agricultural specialist for details on suitable seeding rates, timing and a fertilizer application programme.
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- The residual action of Regain 750 WG may be impaired if fire occurs before the chemical has moved into the root zone.
- 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.

MIXING

Fill spray tank no more than 25% full with clean water before adding Regain 750 WG. Begin agitating vigorously and continue agitation during the entire mixing and spraying operation. Pour required amount of product steadily into the spray tank. Allow vigorous bypass agitation to completely disperse product.

DO NOT dump product into spray tank all at once. After adding required quantity of product and obtaining complete dispersion, continue to fill tank to desired level for spraying. Seal part used container immediately. Thorough agitation of the spray liquid should continue during the entire spraying operation. Spray solution should not be left standing in the tank overnight.

APPLICATION

Handgun Application

- Gloves must be used during handgun application.
- Apply Regain 750 WG uniformly by hand wand or spray gun, ensuring that applied active ingredients DO NOT exceed label rates and recommendations.
- When spraying under the tree or regrowth canopy, treat from the root crown or stems to 30 cm beyond the drip zone of the plants you want to control.

TREATING INDIVIDUAL TREES BY HANDGUN

- Estimate the area within 30 cm beyond the drip zone, i.e. the area under the plant canopy. It is essential that this area is treated as evenly as possible from the tree trunk to slightly beyond the drip line formed by the branches.
- Do not spray just at the base of the tree trunk or stems. This will waste chemical and could result in poor control.
- The time required for complete plant death depends on soil type, amount of rainfall, root depth, plant species, plant density and rate of Regain 750 WG used.
- Some species may go through several defoliation's from 6 months to 2 years before dying.
- Timber and regrowth control with Regain 750 WG may be variable when used on soils with high clay content, high organic matter or when treating deep-rooted or more tolerant species.

TREATMENT OF CLUMPS OF TREES OR PATCHES OF REGROWTH BY HANDGUN

- Regain 750 WG is particularly effective in treating areas of regrowth.
- Estimate the area within 30 cm beyond the drip zone and apply Regain 750 WG uniformly to cover the area beneath the canopy.

AERIAL AND GROUND APPLICATION

Apply Regain 750 WG uniformly with approved aircraft or ground application equipment, after calibration to achieve the desired application rate.

Aerial Application

Aerial application of Regain 750 WG can be carried out by fixed wing aircraft or helicopter fitted with specially designed application apparatus. For Fixed wing use a JARBA Boom with Nozzles set for coarse droplets or similar coarse droplet precision equipment for helicopters, accredited by Granular Products Pty Ltd. For ALL aircraft. spray equipment MUST be pattern tested. A maximum flying height of 5 metres above the canopy of the target plants must be maintained. The swath width is dependent on the type of aircraft used. The target areas must be correctly marked out and flown with the aid of GPS (Global Positioning System) with Data-logging capacity. The recommended application volume is 20-40 L per hectare.

Ground Application

Ground applications of Regain 750 WG can be carried out in suitable areas with a calibrated Boom spray with low volume and low drift nozzles. Application can be made as a blanket application or band treatment. Minimum width between bands should be 30 cm.

TREATING FENCE LINES BY GROUND

- Estimate the area to be treated, along the fence line and then apply Regain 750 WG on both sides of the fence line with a boomless Nozzle (2-3 bar pressure) within the area extending up to 60cm out beyond the fence line.

APVMA compliance instructions for mandatory COARSE or larger droplet size categories

Important information

These instructions inform those using this chemical product how to lawfully comply with the requirement of a COARSE or larger spray droplet size category for spray application.

Spray droplet size categories are defined in the ASAE S572 Standard (newer name may also be shown as ASABE) or the BCPC guideline. Nozzle manufacturers may refer to one or both of these documents, to identify droplet size categories; however, for a nozzle to comply with this requirement, the manufacturer must refer to at least one.

Complying with the label requirement to use a specific droplet size category means using the correct nozzle that will deliver that droplet size category under the spray operation conditions being used. The APVMA has approved only the following specific methods for choosing the correct nozzle. Use one of the methods specified in these instructions to select a correct nozzle to deliver a COARSE or larger droplet size category.

Instructions for ground application—for COARSE droplet size or larger categories

Mandatory instructions for ground applications

USE ONLY nozzles that the nozzles' manufacturer has rated to deliver a COARSE, a VERY COARSE or an EXTREMELY COARSE droplet size category, as referenced in ASAE S572 or BCPC. Choose a nozzle that is specified to provide the droplet size category required in the label Spray Drift Restraints.

DO NOT use a higher spray system pressure than the maximum the manufacturer specifies for the selected nozzle to deliver the droplet size category required in the label Spray Drift Restraint.

Instructions for fixed-wing aerial application—for COARSE droplet size or larger categories

Instructions in this section apply to fixed-wing aerial application of products for which the label Spray Drift Restraint requires a COARSE or a VERY COARSE spray droplet category.

Nozzle choices must be made using Option 1, 2 or 3 below. Option 1 nozzles are limited to a maximum aircraft speed of 110 knots and are for COARSE droplets only. Option 2 nozzles are limited to a maximum aircraft speed of 120 knots and are also for COARSE droplets only. Option 3 nozzles have their use conditions (maximum airspeed, nozzle spray angle, product used, orifice size and spray system pressure) specified in the APVMA Approved Aerial Agricultural Association of Australia (AAAA) Nozzle Calculator (described in Option 3). Depending on those use conditions, the calculator can identify a correct nozzle for either a COARSE or a VERY COARSE spray droplet category. (To use Option 3, aerial applicators must contact the AAAA for access to their approved nozzle calculator.)

Mandatory instructions for fixed-wing aerial applications

Option 1

For up to a maximum aircraft speed of 110 knots and a COARSE droplet size category, USE ONLY narrow angle flat fan nozzles with spray angle less than or equal to 40° and oriented straight back to the flight direction. USE ONLY a spray system pressure greater than or equal to 4 bar.

Option 2

For up to a maximum aircraft speed of 120 knots and a COARSE droplet size category, USE ONLY solid stream 0° nozzles with orifice diameter greater than or equal to 1.5 mm and oriented straight back to the flight direction. USE ONLY a spray system pressure greater than or equal to 3 bar.

Option 3

USE ONLY nozzles rated by the APVMA Approved AAAA Nozzle Calculator as COARSE or VERY COARSE to comply with a product label's requirement for a COARSE or a VERY COARSE spray droplet size category. Use the AAAA Nozzle Calculator, and follow the additional instructions below in a), b) and c).

a) To identify a nozzle to comply with the required spray droplet category, aerial applicators must use only the droplet size category given in the nozzle calculator at the DV(0.1) position. The categories shown at the DV(0.5) and the DV(0.9) positions in the calculator must not be used for making a nozzle selection.

b) Aerial applicators must not apply the product at airspeeds greater than the speed used to select the nozzle. If an application airspeed that is slower than 100 knots (the minimum speed specified in the nozzle calculator) is planned, a nozzle identified as COARSE or VERY COARSE at 100 knots can also be used at these slower airspeeds, provided that the nozzle angle and system pressure are kept the same.

c) When a particular pesticide product is chosen within the nozzle calculator as one of the conditions set to select a nozzle, then aerial applicators must use that specific pesticide product with that nozzle. When a pesticide product is planned for use and is not available as a choice within the nozzle calculator, aerial applicators must use the category 'Other product' in the calculator to set the condition for selecting a nozzle.

Instructions for helicopter aerial application—for COARSE droplet size or larger categories

Instructions in this section apply to helicopter application of products where the label Spray Drift Restraint requires a COARSE, a VERY COARSE or an EXTREMELY COARSE spray droplet category.

Nozzle choices must be made using Option 1 or 2 below.

Mandatory instructions for helicopter aerial application

Option 1

For helicopter applications requiring a COARSE or a VERY COARSE spray droplet size category, USE ONLY nozzles selected with the methods previously specified for fixed-wing aircraft.

Option 2

When using Accu-Flo nozzles (Bishop Equipment Mfg Inc), USE ONLY nozzles rated according to the manufacturer's instructions to select the correct nozzle to apply a COARSE, a VERY COARSE or an EXTREMELY COARSE droplet size category to satisfy the label requirement for one of those specific droplet size categories.

COMPATIBILITY

Regain 750 WG should be applied alone.

CLEANING APPLICATION EQUIPMENT

Thoroughly clean all traces of Regain 750 WG from vessels holding granules e.g. bucket, measure cylinder and gloves after use.

Thoroughly clean all spray equipment, filters, pumps and mixing apparatus of Regain 750 WG with standard decontamination procedures.

Failure to remove residues may result in damage to sensitive plants in subsequent treated areas. Residues cleaned from this application equipment should not be emptied on areas where they will contact roots of desirable trees, shrubs or plants.

Resistance Warning:

Regain 750 WG Herbicide is a member of the Ureas group of herbicides. The product has the Group C mode of action. For weed resistance management, the product is a Group C herbicide.

Some naturally-occurring weed biotypes resistant to the product and other Group C herbicides may exist through normal genetic variability in any weed population. The

	<p>resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by this product or other Group C herbicides.</p> <p>Since the occurrence of resistant weeds is difficult to detect prior to use, Granular Products Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds.</p> <p>Strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture or local Granular Products Assets Pty Ltd representative.</p>
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Precautions:	<p>RE-ENTRY</p> <p>DO NOT enter treated areas to undertake irrigation activities until day 10 after treatment.</p> <p>DO NOT enter treated areas to undertake scouting activities until day 5 after treatment.</p> <p>If prior entry is necessary wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.</p>
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Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS</p> <p>DO NOT apply or drain or flush equipment on or near native or non-target trees or other plants or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots.</p> <p>Use of this product may cause temporary herbicidal symptoms to appear on perennial grasses, including buffel grass, particularly after extended dry periods. Higher rates of application (>3.2 kg/m²) may kill grasses, particularly native annuals. This effect can be minimised by application when grasses are dormant (autumn application).</p> <p>Use of this product may seriously injure desirable forage plants such as pasture legumes and other broadleaf plants. These species may regenerate in subsequent seasons.</p> <p>PROTECTION OF LIVESTOCK</p> <p>Poisonous plants may become more palatable after application and stock should be kept away from these plants until they have died down.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product 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. 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 regulation. Do not burn empty containers or product.</p>
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Safety Directions:	<p>Harmful if swallowed. May irritate the eyes. Avoid contact with eyes. When opening the container and preparing the product for use for boom spray and aerial spraying equipment, wear cotton overalls, over normal clothing, buttoned to the neck and wrist and a washable hat. If applying by boomspray equipment, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). If applying by high pressure hand wand, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat. If applying by low pressure hand wand, wear cotton overalls over normal clothing, buttoned to the neck and wrist and a washable hat, elbow-length chemical resistant gloves and a disposable mist mask covering mouth and nose.</p>
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Wash hands after use. After each day's use wash gloves and contaminated clothing.

First Aid Instructions:

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

First Aid Warnings:

DIRECTIONS FOR USE:

Table 1: Aerial and Ground Application
See **GENERAL INSTRUCTIONS - APPLICATION** section for application method details.

Situation	State	Weeds Controlled	Rate kg/ha	Critical Comments
Large naturally open grazing lands that are lightly infested with sporadic young (<2 meters high) woody weeds	Qld, NT only	Prickly Acacia	2-4	Aerially apply 20-40 L spray mixture/ha using large droplet nozzles. For Prickly Acacia areas, a guide to the recommended rates is 2 kg for lighter duplex soils, 3 kg for medium density regrowth on light clay soils, 4 kg and above for heavy density re-growth on heavy acidic clays.
		Parkinsonia		
		Mimosa pigra		
		Rubber Bush		
Brigalow regrowth and associated problem woody weeds on grazing land	Qld, NSW only	Belah, Brigalow, Currant Bush, Dawson Gum, Limebush, Poplar Box, Scrub Boonaree, Whitewood, Wild Rosemary, Yellowwood	2-4	* On False Sandalwood partial control and suppression only will be obtained at the specified rate.
		False Sandalwood* African boxthorn	2.7-4	
Tea tree regrowth and associated woody weeds on grazing land		Broadleaf Tea Tree Paperbark Tea Tree	1.3-4	For Tea Tree use the highest rate if the area is prone to waterlogging. Excessive rainfall or waterlogging may reduce control.
		Cocky Apple* Swamp Box	2.7	*For Cocky Apple partial control and suppression only will be given at the specified rate.
Other woody weeds on grazing land	Qld, NT only	Gidgee	1.3-2.7	Use the high rate on dense growth or heavy clay soils.
		Parkinsonia	2.7-4	
		Prickly Acacia		
		Polar Gum	2-2.7	
		Rubber vine	2-4	
		Rubber Bush	3.2-4	
Eucalypt woodland management using Property Management Planning Principles	Qld only	Poplar Box	2-2.7	Use the higher rate on dense growth or heavier clay soils. To be used in accordance with any 'Tree Clearing Guidelines' and 20% intact retention of species as per relevant Vegetation Management Act. Use only for re-growth control not clearing of virgin bush.

Situation	State	Weeds Controlled	Rate kg/ha	Critical Comments
Giant sensitive tree on grazing land and other grasslands	NT, Qld only	Mimosa pigra	1.3-2	Apply after the onset of storms (to moisten soil, close soil cracks (where applicable) and freshen growth of giant sensitive tree) and before wet season surface flooding. Repeat application may be required in year two for long term control. Some grass suppression may occur.
Fencelines	Qld, NT, NSW only	Prickly Acacia	2-4	Apply Regain 750 WG at 20-30 L spray mixture/ha, using a boomless nozzle between 2-3 bar pressure. Treat both sides of the fence within the area extending up to 60 cm out beyond the fence line.
		Parkinsonia		
		Mimosa pigra		

Table 2: Handgun Application

See **GENERAL INSTRUCTIONS - APPLICATION** section for application method details.

Situation	State	Weeds Controlled	Rate g/100 L	Critical Comments
Spot application	WA, Qld, NT, NSW only	Mimosa pigra	270-530	Spot apply Regain 750 WG directly to the soil. Coverage of soil should be evenly applied within the drip zone of targeted plants. Splatter gun and hand gun/wands should be checked before use, to ensure that there are no leaking components. Use higher rate for heavy density regrowth and heavy clay soils. *Some suppression of these species is provided by the rates given. Use for regrowth control, not clearing virgin bush. #Do not use within 30 meters of trees. DO NOT apply to single continuous area greater than 0.5 hectare in size
		Brigalow		
		Currant Bush		
		Holly Bush		
		Limebush		
		Whitewood,		
		False Sandalwood*		
		African Boxthorn		
		Blue Heliotrope #		
		Groundsel Bush		
		Lantana*		
		Wild Rosemary		

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

Table 1:**Table: No-spray zones for the protection of the aquatic environment**

Wind speed range at time of application	Downwind mandatory no-spray zone	
For aerial application		
	Fixed wing	Helicopter
from 3 to 8 kilometres per hour	500 metres	350 metres
from 8 to 14 kilometres per hour	800 metres	550 metres
from 14 to 20 kilometres per hour	Do not apply	550 metres
For ground application		
from 3 to 20 kilometres per hour	100 metres	

Table 2:

Wind speed range at time of application	Downwind mandatory no-spray zone	
For aerial application		
	Fixed wing	Helicopter
from 3 to 8 kilometres per hour	500 metres	400 metres
from 8 to 14 kilometres per hour	800 metres	550 metres
from 14 to 20 kilometres per hour	Do not apply	550 metres
For ground application		
from 3 to 20 kilometres per hour	40 metres	