

**POISON**

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

**TITAN**

# HEXAZINONE 750 SG

## HERBICIDE

ACTIVE CONSTITUENT: 750g/kg HEXAZINONE

GROUP **5** HERBICIDE

For the control of certain sedges, perennial grasses, broadleaf and woody weeds in *Pinus radiata* forests and industrial weed control situations as per the Directions for Use.

APVMA Approval No.: 90042/127169

Pack Size: 1kg-15kg



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IN A TRANSPORT EMERGENCY

**DIAL 000**

POLICE OR FIRE BRIGADE

TRANSPORT AND HANDLING  
NOT A DANGEROUS GOOD  
ACCORDING TO THE AUSTRALIAN  
DANGEROUS GOODS (ADG) CODE  
FOR TRANSPORT BY ROAD AND RAIL

## DIRECTIONS FOR USE

GROUND AND AERIAL APPLICATION <i>Pinus radiata</i> plantations				
SITUATION/CROP	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Foliar Spray Application				
Pre-planting SITE PREPARATIONS Pasture Sites	ANNUALS: Flatweeds, Rye grasses, Clovers	QLD, NSW, ACT, VIC, TAS, WA only	2.5kg	Apply any time from March through to July. It is recommended to delay planting until planting lines become clearly visible, i.e. when effects of the product are evident. Machine planting is not recommended, as soil disturbance will reduce the residual activity.  For best results on woody and hard-to-kill weeds, application should be made after weed emergence. Silver Wattle exceeding 1.5m – suppression only.
	HARD-TO-KILL PERENNIALS: Wallaby Grass, Serrated Tussock, Sorrel, Dandelion, Kangaroo Grass (Suppression only)		3.5-5kg	
	Native woodland, heath & second rotation sites – long term control		WOODY & HARD-TO-KILL WEEDS: Bracken, Varnish Acacia ( <i>Acacia verniciflua</i> ), Sunshine Acacia ( <i>Acacia botrycephala</i> ), Silver Wattle ( <i>Acacia dealbata</i> ), Hop Goodenia ( <i>Goodenia ovata</i> ), Common Cassinia (Dogwood, VIC only) ( <i>Cassinia aculeata</i> )	
Post-planting TREE RELEASE APPLICATION	ANNUALS: See: “Pre-planting SITE PREPARATIONS – Pasture Sites”  HARD-TO-KILL PERENNIALS: See: “Pre-planting SITE PREPARATIONS – Pasture Sites”	NSW, ACT, VIC, TAS, SA, WA only	2kg + 5kg Atrazine 900g/kg Wettable Powder	Apply during July, August or September. Allow 8 weeks after transplanting before treatment. See below.  Avoid use on <i>Pinus radiata</i> suffering from stress (such as drought or water logging). Avoid use on shale soils and exposed sub-soils.
Pasture Sites	ANNUAL AND PERENNIAL WEEDS: See: “Pre-planting SITE PREPARATIONS – Pasture Sites”	QLD, NSW, ACT, VIC, TAS, WA only	3.5-5kg	Apply during August, September, October. Allow 8 weeks after transplanting before treatment.  * DO NOT apply surfactant/wetting agent when spraying over <i>Pinus radiata</i> trees.
Native woodland, heath & second rotation sites – long term control	WOODY & HARD-TO-KILL WEEDS: See: “Pre-planting SITE PREPARATIONS – Native Woodland etc”		5kg	
Loamy Sands & Sandy Soils	Sorrel, Yorkshire Fog Grass, Annual Ryegrass	SA only	3.5kg	Apply during August or September, October. Allow 8 weeks after transplanting before treatment. See above*.
FORESTRY SPOTGUN				
SITUATION/CROP	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Foliar Spray Application				
Post-Planting TREE RELEASE APPLICATIONS Pasture sites and native woodland, heath and second rotation sites	ANNUALS: Brome Grass, Capeweed, Chickweed, Clovers, Flatweeds, Rye grasses	QLD, NSW, ACT, VIC, TAS, WA only	6 or 12mL of spray solution/pine	Mix 1kg TITAN Hexazinone 750 SG Herbicide with 30L water and apply amount shown/pine.  Use the higher rates of TITAN Hexazinone 750 SG Herbicide: <ul style="list-style-type: none"><li>• When weed pressure is heavy.</li><li>• When grasses are the major problem.</li><li>• For longer term weed control and greater pine growth responses.</li></ul>
	HARD-TO-KILL PERENNIALS: Dandelion, Docks, Paspalum, Ribwort/Plantain, Serrated Tussock, Snow Grass, Sorrel, Wallaby Grass, Yorkshire Fog Grass, Kangaroo Grass (Suppression only)		10 or 12mL of spray solution/pine	
INDUSTRIAL WEED CONTROL APPLICATIONS				
GROUND APPLICATION				
SITUATION/CROP	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Foliar Spray Application				
Commercial and industrial areas, rights-of-way, around agricultural buildings	ANNUAL WEEDS: Summer Grass, Barnyard Grass, Love Grass, Green Amaranth, Asthma Plant, Common Sida, Common Sow-thistle, Wild Oats, Soft Brome, Great Brome, Medics, Fleabanes, Paterson's Curse (Salvation Jane), Blackberry Nightshade	ALL STATES	4-6kg	Use the higher rates on heavy soils and soils high in organic matter or carbon; on light soils where rainfall is heavy or on dense established stands of hard to kill species such as Paspalum, Couch Grass ( <i>Cynodon dactylon</i> ), Nut Grass and Kikuyu.
	PERENNIAL WEEDS: Docks, Creeping Buttercup, Ribwort (plantain), Couch Grass ( <i>Cynodon dactylon</i> )	QLD, NSW, ACT, WA only	6-8kg	
	Paspalum, Nutgrass, Kikuyu, Artichoke Thistle, Rhodes Grass, Chicory, Flatweeds	VIC, SA, TAS only	8kg	

INDUSTRIAL WEED CONTROL APPLICATIONS – continued				
GROUND APPLICATION				
SITUATION/CROP	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
<b>Foliar Spray Application</b>				
Commercial and industrial areas, rights-of-way, around agricultural buildings – continued	<i>Parthenium hysterophorus</i>	QLD, NSW, ACT only	1kg (large areas) 2g/10L/20m <sup>2</sup> (small areas)	Use the higher rates on heavy soils and soils high in organic matter or carbon; on light soils where rainfall is heavy or on dense established stands of hard to kill species such as <i>Paspalum</i> , Couch Grass ( <i>Cynodon dactylon</i> ), Nut Grass and Kikuyu.
	Spiny Rush ( <i>Juncus acutus</i> )	VIC only	120-180g/100L	Gives complete eradication of mature plants only. Seedling plants should be controlled for up to 6 months.

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

### NOTICE (NSW ONLY)

WITH THE EXCEPTION OF REGROWTH LESS THAN 5 YEARS OLD AND UNDER THREE METRES TALL, THE CLEARING OF MORE THAN FIVE HECTARES OF TREES BY AERIAL OR GROUND APPLICATION IN NSW IS PROHIBITED, UNLESS SPECIFICALLY AUTHORISED BY PERMIT. THIS RESTRICTION DOES NOT APPLY TO WOODY WEEDS AND STEM INJECTION OF TREES.

**WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED**

### GENERAL INSTRUCTIONS

TITAN Hexazinone 750 SG Herbicide is an effective foliar contact and soil active residual herbicide.

Use sufficient water for thorough uniform coverage. For best foliar and residual control, apply as a post-emergent spray during the period of active plant growth and when the air temperatures are 25°C and above. Applications when vegetation is dormant, semi-dormant, under moisture stress or during the winter months may not be as effective.

In temperate winter rainfall areas where temperatures are generally below 25°C during the period of active plant growth, the foliar effect may be slow to appear. In these areas herbicide activity is more dependent on root absorption. For residual control, sufficient rainfall is required after treatment to promote root absorption by the weeds. Results obtained may vary with the amount of chemical applied, rainfall, air temperature, soil type and other conditions.

All use rates of the product are expressed as overall rates. For band treatment use proportionately less, i.e. use one-third the overall rate when treating one-third of the area.

DO NOT apply TITAN Hexazinone 750 SG Herbicide during periods of intense rainfall, when wind speed exceeds 30kph (for ground application) or when wind speed exceeds 20kph (for aerial application).

On slopes of 20% to 30% apply TITAN Hexazinone 750 SG Herbicide by strip or spot application ONLY. On slopes greater than 30% apply by spot application ONLY.

DO NOT broadcast apply this product where there is no vegetation, or slash, or on uncultivated areas, or non-mounded or bare ground on slopes.

### EQUIPMENT AND APPLICATION

TITAN Hexazinone 750 SG Herbicide is a water soluble granule formulation. The product is mixed with water and applied at recommended rates with either ground or aerial equipment (dependent on use pattern). Partially fill the spray tank with water and add the correct amount of the product for the area to be sprayed with the agitation system engaged. Top up to correct volume with water, and for best results keep the spray solution agitated whilst spraying.

### THE MATERIAL MUST BE KEPT IN SUSPENSION AT ALL TIMES BY CONTINUOUS AGITATION.

To prevent nozzle blockage, strainer and nozzle screens should be 50 mesh or coarser.

#### *Pinus radiata*

**Ground Application:** Apply in 100 to 400L/ha with a properly calibrated boom.

#### **Forestry Spotgun – see Directions for Use – Critical Comments**

**Aerial Application:** Apply a minimum of 20L water for every 1kg of product used, eg. 5kg in 100L of water per hectare. Use a surfactant/wetting agent for pre-planting applications only, by either ground or aerial equipment.

DO NOT add a surfactant if the spray is to be applied over the top of *Pinus radiata* trees.

A non-ionic surfactant/wetting agent (such as BS 1000) may be added at the rate of 250-500mL/100L of spray (for a surfactant containing 100% active constituent) for improved wetting.

#### **Industrial weed control**

**Ground Application only:** Apply in 100 to 400L/ha with a properly calibrated boom or 2000-4000L/ha with hand spray equipment.

A non-ionic surfactant/wetting agent (such as BS 1000) may be added at the rate of 250-500mL/100L of spray (for a surfactant containing 100% active constituent) for improved wetting.

### Crop Safety

Because death or injury to trees may result, DO NOT apply after planting in the following situations:

- On trees which show poor vigour due to disease, or environmental factors such as drought, moisture stress or waterlogging;
- On poorly drained soils;
- On gravelly or rocky soils, and exposed subsoils.

### Equipment Clean-up

Thoroughly clean all traces of TITAN Hexazinone 750 SG Herbicide from application equipment immediately after use. Failure to remove residues may result in damage to sensitive plants in subsequent treated areas.

### RESISTANT WEEDS WARNING

TITAN Hexazinone 750 SG Herbicide is a member of the Triazines group of herbicides. The product has the Inhibitors of photosynthesis at photosystem II mode of action. For weed resistance management, the product is a Group 5 herbicide. Some naturally-occurring weed biotypes resistant to the product and other Group 5 herbicides may exist through 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 this product or other Group 5 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, TITAN AG Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

Large numbers of healthy surviving weeds can be an indication that resistance is developing. Efforts should be made to prevent seed set of the survivors.

DO NOT make more than one application of a Group 5 herbicide in the same season. If the user suspects that a Group 5 resistance weed is present, this product or other Group 5 herbicides should not be used.

Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier, consultant, local Department of Agriculture or Primary Industries, or local TITAN AG representative.

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

The product may kill many trees and other desirable plants if not correctly applied. DO NOT apply 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. DO NOT apply in areas where a surface flow of water could wash the chemical into areas where roots of desirable trees or plants may extend. DO NOT drain or flush spray equipment near desirable trees or in areas where their roots may extend. DO NOT apply under windy conditions and in areas where spray drift could damage valuable plants.

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

DO NOT contaminate ponds, streams, rivers, waterways or drains with the chemical or used containers. DO NOT apply within 25m of a recognised waterway, or further if native riverbank vegetation may be damaged (see Protection of Native and other Non-Target Plants).

### PROTECTION OF LIVESTOCK

Keep stock away from treated areas.



## STORAGE AND DISPOSAL

Store in the closed, original container in a dry, well-ventilated area, as cool as possible out of direct sunlight. DO NOT store or expose product to wet conditions. Keep from contact with fertilisers, fungicides and seeds. Single-rinse or shake remainder into spray tank. DO NOT dispose of undiluted chemicals on-site. Puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm 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

Harmful if swallowed. Will irritate the eyes. Avoid contact with eyes. When opening the container, preparing product for use, and using the prepared product, wear face shield or goggles. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

## SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Hexazinone 750 SG Herbicide is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit titanag.com.au

**CONDITIONS OF SALE:** TITAN AG Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on TITAN AG's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of TITAN AG Pty Ltd has any authority to add to or alter these conditions.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: Harmful if swallowed. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects. Precautionary Statements: Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear eye protection / face protection. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Collect spillage.

