CAUTION

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

TITAN

IMAZETHAPYR 700 WG

HERBICIDE

ACTIVE CONSTITUENT: 700g/kg IMAZETHAPYR

GROUP **2** HERBICIDE



For the pre- or post-emergence control of certain weeds in *Centrosema* (Cavalcade), Chickpeas, Faba Beans, Field Peas, Lucerne, Mung Beans, Peanuts, Serradella, Soybeans and Subterranean Clover as per the Directions For Use table.

APVMA Approval No.: 66099/52723

Pack Size: 250g; 2kg; 8kg

TITAN AG
CROP PROTECTION

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WG Formulation Type **Water Dispersible Granule**

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

Restraints: DO NOT apply to very wet soils if rain is imminent or to soils prone to waterlogging.
DO NOT apply to soils of very high organic matter content.
DO NOT apply to crops or weeds under stress caused by factors such as root or foliar diseases, nutrient deficiencies or extremes of temperature or moisture.

CROP	WEEDS CONTROLLED	STATE	RATE per ha	CRITICAL COMMENTS
Pre-emergence Chickpeas	Deadnettle (*Lamium amplexicaule*), Indian Hedge Mustard (*Sisymbrium orientale*), White Ironweed (*Buglossoides arvensis*), Wild Radish (*Raphanus raphanistrum*), Wireweed (*Polygonum aviculare*)	VIC, SA only	45g plus 1.0-1.5L Flowable Simazine (500g/L)	Apply to moist, well prepared, clod and weed-free soil after planting and before crop emergence. Sufficient rainfall is required after application and prior to weed emergence to wet soil to a depth of 5cm. Use the higher rate of simazine on heavier soils, or where higher weed pressure is expected, or where wireweed is a problem. Under adverse conditions, weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. Good crop growth will aid weed control. Transient yellowing or reddening of the crop may occur. The risk of crop injury may be increased under adverse growing conditions. DO NOT use this mixture on soils, and in areas, ill-suited to growing Chickpeas as crop injury will be increased.
Pre-emergence Faba Beans, Field Peas	Indian Hedge Mustard (*Sisymbrium orientale*), Shepherd's Purse (*Capsella bursa-pastoris*), Stinging Nettle (*Urtica urens*) (NSW, VIC only), Toad Rush (*Juncus bufonius*), Turnip Weed (*Rapistrum rugosum*), * Deadnettle (*Lamium amplexicaule*), * Doublegee (*Emex australis*), * Paterson's Curse (*Echium plantagineum*), * Wireweed (*Polygonum aviculare*), ** Wild Oats (*Avena fatua*)	NSW, VIC, SA, WA only	70g	Apply to moist, well prepared, clod and weed-free soil after planting and before crop emergence. Sufficient rainfall is required after application and prior to weed emergence to wet soil to a depth of 5cm. Under adverse conditions, weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. Good crop growth will aid weed control. * Surviving plants will generally be retarded and will not compete with the crop. A follow-up spray with another product may be required for control of Wild Radish under high weed pressure or high rainfall conditions. ** Competition from grass weeds will be significantly reduced for at least 8 weeks. A post-emergence grass herbicide application may be required. (Refer to **COMPATIBILITY** section of label). *** Populations will not be reduced but plants will generally be significantly stunted. Seed set will also be reduced. Use the higher rates under anticipated high weed pressure and in high winter rainfall areas. DO NOT use on Faba Beans on light, sandy soils. On alkaline soils, the risk of crop damage to Faba Beans may be increased under adverse growth conditions. Refer to Crop Safety and Follow Crop sections of this label regarding varietal selectivity and follow crops.
	* Wild Radish (*Raphanus raphanistrum*), ** Annual Ryegrass (*Lolium rigidum*), ** Barley Grass (*Hordeum leporinum*)	NSW, WA only		
	Storksbill (*Erodium* spp.)	SA, WA only		
	Mouse-ear Chickweed (*Cerastium glomeratum*), * Capeweed (*Arctotheca calendula*), * Prickly Lettuce (*Lactuca serriola*), * Yellow Burrweed (*Amsinckia intermedia*)	NSW only	70 to 100g	
	* Ivy leaf Speedwell (*Veronica hederifolia*), *** Bifora (*Bifora testiculata*)	SA only		
	* Threehorn Bedstraw (*Galium tricornutum*), * Wild Radish (*Raphanus raphanistrum*), * Yellow Burrweed (*Amsinckia intermedia*)	VIC, SA only	70 to 100g	
	* Lesser Loosestrife (*Lythrum hyssopifolia*), * Prickly Lettuce (*Lactuca serriola*), ** Annual Ryegrass (*Lolium rigidum*), ** Barley Grass (*Hordeum leporinum*)		100g	
Post-emergence Field Peas (Following varieties only: Alma, Dun, Dundale, Early Dun, Wirrega)	Deadnettle (*Lamium amplexicaule*), Hare's Ear (*Conringia orientalis*), Indian Hedge Mustard (*Sisymbrium orientale*), Toad Rush (*Juncus bufonius*), * Wireweed (*Polygonum aviculare*)	NSW, VIC, SA only	70g plus a non-ionic surfactant at 200mL/100L	Apply to actively growing weeds in the cotyledon to 3 leaf stage. Weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. Good crop growth will aid weed control. * Surviving plants will generally be retarded and will not compete with the crop. Use the higher rate under high weed pressure. Refer to the Follow Crop section of this label regarding follow crops.
	* Threehorn Bedstraw (*Galium tricornutum*)	VIC, SA only	70-100g plus a non-ionic surfactant at 200mL/100L	

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CROP	WEEDS CONTROLLED	STATE	RATE per ha	CRITICAL COMMENTS
Pre- emergence Mung Beans, Peanuts, Soybeans	Common Sida (*Sida rhombifolia*), Fat Hen (*Chenopodium album*), Green Amaranth (*Amaranthus viridis*), Pigweed (*Portulaca oleracea*), Redroot Amaranth (*Amaranthus retroflexus*), Wild Gooseberry (*Physalis minima*), * Anoda Weed (*Anoda cristata*), * Bellvine (*Ipomoea plebeia*), * Common Thornapple (*Datura stramonium*), * Deadnettle (*Lamium amplexicaule*), * Jute (*Corchorus olitorius*), * Mintweed (*Salvia reflexa*), * Starburr (*Acanthospermum hispidum*), * Wild Radish (*Raphanus raphanistrum*)	QLD, NSW, VIC, NT only	100g	Apply to moist, well prepared, clod and weed-free soil after planting and before crop emergence. Sufficient rainfall or irrigation is required after application and prior to weed emergence to wet soil to a depth of 5cm. Where soil crusting is likely, apply post-emergence. (Not Mung Beans). Under adverse conditions, weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. Good crop growth will aid weed control. * Surviving plants will generally be retarded and will not compete with the crop.
	Above weeds plus Bladder Ketmia (*Hibiscus trionum*), * Awnless Barnyard Grass (*Echinochloa colona*), * Apple-of-Peru (*Nicandra physalodes*), * Noogoora Burr (*Xanthium pungens*), * Nutgrass (*Cyperus rotundus*)	QLD, NSW, VIC, NT only	140g	Apply to moist, well prepared, clod and weed-free soil after planting and before crop emergence. Sufficient rainfall or irrigation is required after application and prior to weed emergence to wet soil to a depth of 5cm. Where soil crusting is likely, apply post-emergence. (Not Mung Beans). Under adverse conditions, weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. Good crop growth will aid weed control. * Surviving plants will generally be retarded and will not compete with the crop.
Post-emergence Peanuts, Soybeans	Common Sida (*Sida rhombifolia*), Wild Gooseberry (*Physalis minima*), * Anoda Weed (*Anoda cristata*), * Bathurst Burr (*Xanthium spinosum*), * Bellvine (*Ipomoea plebeia*), * Common Thornapple (*Datura stramonium*), * Deadnettle (*Lamium amplexicaule*), * Jute (*Corchorus olitorius*), * Fierce Thornapple (*Datura ferox*)	QLD, NSW, VIC, NT only	100g plus a non-ionic surfactant at 200mL/100L or Hasten* or Kwickin* at 500mL/100L	Apply to actively growing weeds in the 2 to 4 leaf stage. Weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. Good crop growth will aid weed control. * Surviving plants will generally be retarded and will not compete with the crop. For grass weeds, a follow-up spray with a selective grass herbicide may be required.
	Above weeds plus Apple-of-Peru (*Nicandra physalodes*), Fat Hen (*Chenopodium album*), * Awnless Barnyard Grass (*Echinochloa colona*), * Barnyard Grass (*Echinochloa crus-galli*), * Nutgrass (*Cyperus rotundus*)		140g plus a non-ionic surfactant at 200mL/100L or Hasten or Kwickin at 500mL/100L	
Pre-emergence to weeds Lucerne (established), Serradella (established)	As for pre-emergence use in Faba Beans and Field Peas (winter weeds) and in Soybeans (Summer weeds)	QLD, NSW, VIC, SA, WA only	70 to 140g	Use pre-emergence to weeds in established Lucerne only. Apply following cutting or grazing, if necessary in mixtures with registered knock-down products. Apply at rates as per pre-emergence use in Faba Beans and Field Peas (winter weeds) and Soybeans (summer weeds). Note **CRITICAL COMMENTS** applying to weed control in those crops.
Centrosema (Cavalcade) (Pre-emergence to crop)		NT only		
Post-emergence Lucerne, Serradella	As for post-emergence use in Field Peas (winter weeds) and in Soybeans (summer weeds)	QLD, NSW, VIC, SA, WA only	70 to 140g plus a non-ionic surfactant at 200mL/100L	Apply to actively growing weeds in the cotyledon to 3 leaf stage (winter weeds) and 2-4 leaf stage (summer weeds). Apply at rates as per post-emergence use in Field Peas (winter weeds) and Soybeans (summer weeds). Note **CRITICAL COMMENTS** applying to weed control in those crops. **Seedling:** Apply when crop is at the first trifoliate leaf stage or later (spring sown) and the 2 trifoliate leaf stage or later (autumn sown). Serradella varieties on which TITAN Imazethapyr 700 WG Herbicide has been tested and found to be selective are: Avila, Elgara, Tauro. **Established:** Apply as above following cutting or grazing.

CROP	WEEDS CONTROLLED	STATE	RATE per ha	CRITICAL COMMENTS
Subterranean Clover (*Trifolium subterraneum*)	Doublegee (*Emex australis*)	WA only	50g plus 300mL diuron (500g/L) plus Spraymate Liase at 2L per 100L water	Apply to actively growing weeds up to the 4 leaf stage and when the Sub-clover is at the 3 leaf stage or later. This treatment should only be used in the first year of a pasture phase to aid Sub-clover establishment. Weed numbers will be reduced and survivors will be stunted. Seed set will also be reduced. Sub-clover biomass may be reduced by this treatment. Varieties on which TITAN Imazethapyr 700 WG Herbicide has been tested are: Dalkeith and Nungarin. Other weeds may also be affected, thereby reducing the total pasture biomass.

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

WITHHOLDING PERIODS:
GRAZING: DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 14 DAYS AFTER APPLICATION.
HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS
This product can be used for either pre- or post-emergence weed control depending on the crop and weeds to be controlled. When the product is applied pre-emergence, susceptible weeds may emerge but growth will be retarded and weeds will either die or remain stunted and will not compete with the crop. Adequate soil moisture is important for optimum activity. When applied post-emergence, weeds will either die or remain stunted and will not compete with the crop.
A non-ionic surfactant, or an adjuvant as specificed in the DIRECTIONS FOR USE, must be added to TITAN Imazethapyr 700 WG Herbicide for post-emergence weed control.
The addition of Spraymate* Liase Liquid Adjuvant at a rate of 2L/100L water may assist in post-emergence control of summer growing weeds.

MIXING
This product mixes readily with both hard and soft water. Fill the spray tank one half to three quarters full with clean water and then, with the agitator running, add the required amount of this product and then fill the tank with water. When tank mixing this product with other recommended compatible products, first add the other product to the tank and mix thoroughly before adding this product.

APPLICATION
TITAN Imazethapyr 700 WG Herbicide should be applied for a minimum of two hours before rainfall or irrigation.

Ground Application: Avoid overlaps when spraying. Apply in 50 to 100L/ha water using flat fan nozzles. The product may be applied in a band over the row in row crops. This will assist in minimising soil residue carryover.

Aerial Application (Pre-emergence only): Avoid overlaps when spraying. Apply in a minimum 20L/ha water in a maximum swath width of 18m using a droplet VMD of 230-280 microns.

DO NOT apply TITAN Imazethapyr 700 WG Herbicide under conditions (e.g. dead calm, excessive wind and/or small droplets) likely to cause spray drift onto wetlands or waterways, natural vegetation, crops other than specified on label or land to be planted with susceptible crops.

EQUIPMENT CLEAN UP
Thoroughly flush all spray equipment with water following use of TITAN Imazethapyr 700 WG Herbicide and before use with other products.
Rinse water should NOT be discharged where it will reach streams, waterbodies or natural vegetation.

COMPATIBILITY
TITAN Imazethapyr 700 WG Herbicide is compatible with alpha-cypermethrin duo, pendimethalin, trifluralin, metribuzin, cyanazine, diuron, glyphosate, paraquat plus diquat, diquat, simazine, diflufenican, dimethoate and omethoate.
DO NOT tank mix with selective post-emergence grass herbicides.
DO NOT apply these herbicides following use of TITAN Imazethapyr 700 WG Herbicide until grasses have resumed active growth.

RESISTANT WEEDS WARNING
GROUP **2** HERBICIDE

TITAN Imazethapyr 700 WG Herbicide is a member of the Imidazolinone group of herbicides. TITAN Imazethapyr 700 WG Herbicide has the inhibition of acetolactate synthetase (ALS) mode of action. For weed resistance management, TITAN Imazethapyr 700 WG Herbicide is a group 2 herbicide. Some naturally-occurring weed biotypes resistant to TITAN Imazethapyr 700 WG Herbicide and other group 2 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 weeds will not be controlled by TITAN Imazethapyr 700 WG Herbicide or other group 2 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 failure of TITAN Imazethapyr 700 WG Herbicide to control resistant weeds.

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. DO NOT spray within 50m of wetlands or waterways.

Crop Safety: This product may cause slight shortening of plant internodes and may in some circumstances lead to transient crop yellowing but plants soon recover and yield is unaffected. This effect may be more pronounced when the product is used post-emergence or under poor growth conditions.

DO NOT use this product pre-emergence on Collegian and Cressy Blue field pea varieties. DO NOT use this product post-emergence on Field Pea varieties other than Alma, Dun, Dundale, Early Dun and Wirrega. DO NOT use pre-emergence on Serradella, seedling Lucerne or Subterranean Clover. DO NOT use post-emergence on Chickpeas, Faba Beans or Mung Beans. Should re-sowing of Chickpeas, Faba Beans, Field Peas, Lucerne, Mung Beans, Peanuts, Serradella, Soybeans or Subterranean Clover be necessary, do NOT re-apply TITAN Imazethapyr 700 WG Herbicide.

Follow Crops
Under conditions which do not favour breakdown of this product, carry-over soil residues can affect susceptible follow crops. As environmental and agronomic factors make it impossible to eliminate all risks associated with the use of this product, rotational crop injury is always possible. The following minimum re-cropping intervals (months after application) should be observed.

Following use in winter crops

MONTHS AFTER APPLICATION			
0	**10**	**22**	**34**
Maize varieties with CLEARFIELD Technology ONLY: - Pacific Hycorn 621T - Pacific Hycorn 531T - Pioneer 3395IR Wheat varieties with CLEARFIELD Technology ONLY Canola varieites with CLEARFIELD Technology ONLY Faba Beans Field Peas Chickpeas	Lucerne Lupins Pasture Legumes Vetch * Triticale * Barley * Wheat (except varieites with CLEARFIELD Technology; see 0 months)	Oats Safflower	All other crops inlcuding Canola (except varieties with CLEARFIELD TECHNOLOGY; see 0 months)

* The following additional requirements apply if it is intended to sow Wheat (except varieites with CLEARFIELD Technology), Barley or Ttriticale during the next winter season.

- DO NOT apply TITAN Imazethapyr 700 WG Herbicide pre-emergence later than the end of June and post-emergence later than the end of July.
- DO NOT use TITAN Imazethapyr 700 WG Herbicide in areas where rainfall from spraying to sowing of cereals is expected to be below 300mm.
- In SA and WA, do NOT use on soils of pH 5.5 ($Ca\ Cl_2$) or less in areas where

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rainfall from spraying to sowing of cereals is expected to be below 400mm.
- In NSW, VIC and SA, do NOT use the 100g/ha rate in areas where rainfall from spraying to sowing of cereals is expected to be below 400mm.

If expected rainfall is not received following use of TITAN Imazethapyr 700 WG Herbicide, consult your local TITAN AG representative before planting Wheat, Barley or Triticale. (In calculating rainfall actually received, exclude single isolated heavy summer and autumn falls above 100mm).

Following use in summer crops – Irrigated only

MONTHS AFTER APPLICATION			
0	**5**	**10**	**18**
Maize varieties with CLEARFIELD Technology ONLY: - Pacific Hycorn 621T - Pacific Hycorn 531T - Pioneer 3395IR Mung Beans Peanuts Soybeans	Chickpeas Lucerne Lupins Pasture Legumes * Barley * Wheat (except varieites with CLEARFIELD Technology)	**Maize (except varieites with CLEARFIELD Technology; see 0 months) **Sorghum	All other crops (providing rainfall exceeds 2000mm) irrigation

* DO NOT plant these crops unless interim moisture (rainfall plus irrigation) from application to sowing is at least 500mm.

** DO NOT plant these crops unless interim moisture (rainfall plus irrigation) from application to sowing is at least 800mm.
DO NO plant sorghum if TITAN Imazethapyr 700 WG Herbicide rates higher than 100g/ha were used in the previous crop.

Dryland only

MONTHS AFTER APPLICATION				
0	**10**	**15**	**22**	**27**
Maize varieties with CLEARFIELD Technology ONLY: - Pacific Hycorn 621T - Pacific Hycorn 531T - Pioneer 3395IR Mung Beans Peanuts Soybeans	** Maize (except varieties CLEARFIELD Technology; see 0 months) ** Sorghum	Chickpeas Lucerne Lupins Pasture Legumes * Wheat (except varieties with CLEARFIELD Technology) Canola varieties with CLEARFIELD Technology ONLY	Cotton Maize (see also 0 months) Sorghum Sunflower	All other crops (providing rainfall exceeds 2000mm)

* DO NOT plant these crops unless interim rainfall from application to sowing is at least 500mm.

** DO NOT plant these crops unless interim rainfall from application to sowing is at least 800mm.
DO NOT plant sorghum if TITAN Imazethapyr 700 WG Herbicide rates higher than 100g/ha were used in the previous crop.

DO NOT use the 140g rate in dryland Soybeans, Mung Beans or Peanuts unless it is intended to recrop with a leguminous crop or crop varieties with CLEARFIELD Technology.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND THE ENVIRONMENT
DO NOT contaminate dams, waterways or drains with the chemical 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 below 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. Empty containers and product should not be burnt.

SAFETY DIRECTIONS
Will damage eyes. Will irritate skin. Avoid contact with eyes and skin. When preparing spray, wear cotton overalls buttoned to the neck and wrist, washable hat, elbow length PVC gloves and goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID
If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766.

SAFETY DATA SHEET
Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Imazethapyr 700 WG 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: Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. Harmful to aquatic life with long lasting effects. Precautionary Statements: Use only outdoors or in a well-ventilated area. Avoid breathing dust/fumes. Avoid release to the environment. Wear protective gloves, protective clothing, eye protection and face protection. Wash all exposed external body areas thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor/physician/first aider/if you feel unwell. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.



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