

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

TITAN

TERBUTHYLAZINE 875 WG HERBICIDE

ACTIVE CONSTITUENT: 875g/kg TERBUTHYLAZINE

GROUP **5** HERBICIDE



For the control of weeds in cereals (barley, oats, wheat), faba beans, fallows, field peas, lentils and vetch, lupins, sorghum, sweet corn, maize, lucerne, triazine tolerant canola and glyphosate tolerant cotton as per the Directions For Use table.

APVMA Approval No.: 84781/144916

Pack Size: 10kg-20kg



TITAN AG Pty Ltd | ABN 57 122 081 574
15/16 Princes Street, Newport NSW 2106
Tel (02) 9999 6655 | titanag.com.au

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

Restrictions: DO NOT apply by air.

DO NOT apply to waterlogged soil.

DO NOT apply if heavy rains or storms that are likely to cause surface run-off are forecast within 2 days of application.

DO NOT use rates higher than 1.0kg/ha on soils with pH 8.0 and above as unacceptable crop damage may occur.

DO NOT apply more than 1.2kg/ha per crop.

DO NOT use TITAN Terbutylazine 875 WG Herbicide if the area had a triazine herbicide applied to it last growing season.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the buffer zone table below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application.

Surface temperature inversion conditions exist most evenings 1 to 2 hours before sunset and persist until 1 to 2 hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets not smaller than a COARSE spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory Buffer Zones' section of the following table titled 'Buffer Zones for Boom Sprayers') are observed.

Buffer Zones for Boom Sprayers		
Application Rate	Mandatory downwind buffer zones	
	Natural aquatic areas	Vegetation areas
Up to maximum label rate	60m	30m

CROP	SITUATION	WEEDS	RATE	CRITICAL COMMENTS
Chickpeas, Faba Beans, Field Peas, Lupins (not irrigated) (QLD, NSW, VIC, SA, WA only)	Pre-sowing	Burr Medic, Corn Gromwell (White Iron Weed, Sheep Weed), Deadnettle, Indian Hedge Mustard, Long Haired Poppy, Mint Weed, Ox Tongue, Prickly Lettuce, Shepherd's Purse, Sow Thistle, Toadrush, Turnip Weed, Wild Gooseberry, Wild Turnip, Wireweed	0.86 to 1.20kg/ha	Use the lower rate on light soils (sandy loams to loamy sands) and the higher rate on heavier soils (loams, silt plus clay 40-60%). The soil should be free of excessive clods, trash and deep furrows. Sufficient rainfall (20 to 30mm) to wet the soil through the weed root zone is necessary within 2 to 3 weeks of application.
	Post-sowing, Pre-emergence (PSPE) Apply to the soil within 2 days after sowing	Suppression of: Annual Ryegrass, Doublegee/Spiny Emex, Phalaris, Wild Oats, Wild Radish	0.60 to 0.86kg/ha	
Canola (TT or Triazine Tolerant varieties only)	Pre-sowing	Doublegee/Spiny Emex, Phalaris, Wild Oats, Wild Radish	0.86 to 1.20kg/ha	Ensure the seed is covered with at least 3cm and preferably 5cm of soil and do not use rates higher than 0.86kg/ha on soils with pH 8.0 and above as unacceptable crop damage may occur. Note: Some early crop phytotoxicity may be observed particularly on light soils. Heavy, intense rainfall following application may cause crop damage. At the higher rates, avoid over-lapping sprays and spraying-out corners.
	Post-sowing, Pre-emergence (PSPE) Apply to the soil within 2 days after sowing			
	Early post-emergence	Wild Radish, Deadnettle Suppression of: Annual Ryegrass, Doublegee/Spiny Emex, Wild Oats, Phalaris	0.60 to 1.20kg/ha	Apply when weeds are actively growing. Apply up to the 6 leaf stage of Canola. Use the higher rate on weeds 6-8 true leaves at time of application. Always add TITAN Duelling Spray Adjuvant at 500mL/100L water. DO NOT add any other herbicide, adjuvant or wetter.
Chickpeas (not irrigated) (QLD, NSW, VIC, SA, WA only)	Pre-emergence	Black Bindweed/Climbing Buckwheat (<i>Fallopia convolvulus</i>) plus all weeds listed for Chickpeas, pre-sowing & post-sowing pre-emergence on the label for TITAN Terbutylazine 875 above	Incorporated by sowing (IBS): 0.86 to 1.20kg/ha plus 20g 700g/kg Imazethapyr	Apply to moist, well prepared, clod and weed-free soil either incorporated by sowing (IBS) or after planting and before crop emergence (PSPE). Sufficient rainfall is required after application and prior to weed emergence to wet soil to a depth of 5cm. Use the lower rate of TITAN Terbutylazine 875 WG Herbicide on lighter soils. Read and follow all label directions on the 700g/kg Imazethapyr label. Under adverse conditions, weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. 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. Follow all Restrictions and Plantbacks to following crops on the 700g/kg Imazethapyr label.

CROP	SITUATION	WEEDS	RATE	CRITICAL COMMENTS
Chickpeas (not irrigated) (QLD, NSW, VIC, SA, WA only) – <i>continued</i>	Post-sowing, Pre-emergence (PSPE)	Burr Medic, Corn Gromwell (White Iron Weed, Sheep Weed), Deadnettle, Flax Leaf Fleabane, Indian Hedge Mustard, Long Haired Poppy, Mint Weed, Ox Tongue, Prickly Lettuce, Shepherd's Purse, Sow Thistle, Toadrush, Turnip Weed, Wild Gooseberry, Wild Turnip, Wireweed <u>Suppression of:</u> Annual Ryegrass, Doublegee/Spiny Emex, Phalaris, Silver Grass, Wild Oats, Wild Radish	0.86kg/ha plus 80g 750g/kg Isoxaflutole	DO NOT apply the tank mixture to Chickpeas planted in sandy or gravely soils or soils low in clay or organic matter. The soil should be free of excessive clods, trash and deep furrows. Application can be made to dry or damp soil. Sufficient rainfall (20 to 30mm) to wet the soil through the weed root zone is necessary within 2 to 3 weeks of application. Application should be made as soon as possible after planting prior to emergence of the crop. If applied during the planting operation ensure the tank mixture is applied after furrow closure. Failure to thoroughly close and firm the seed furrow may allow herbicide to directly contact the seed which may cause crop injury. If sowing with knife points or disc openers, ensure that herbicides cannot be concentrated in the sowing furrow by soil wash. Either close the furrow with harrows or stabilise the furrow with press wheels. Mechanical incorporation is not recommended. Heavy rains after the application of the tank mixture may cause crop damage. The tank mixture is not recommended for use on Yorker Chickpeas. See the "Crop Safety" section on both labels for complete directions.
Lentils, Vetch (not irrigated only)	Pre-sowing (IBS only)	Burr Medic, Corn Gromwell (White Iron Weed, Sheep Weed), Deadnettle, Indian Hedge Mustard, Long Haired Poppy, Mint Weed, Ox Tongue, Prickly Lettuce, Shepherd's Purse, Sow Thistle, Toadrush, Turnip Weed, Wild Gooseberry, Wild Turnip, Wireweed <u>Suppression of:</u> Annual Ryegrass, Doublegee/Spiny Emex, Phalaris, Silver Grass, Wild Oats, Wild Radish	0.86 to 1.20kg/ha	Apply pre-sowing and incorporate by sowing (IBS) using knife points and press-wheels only. Ensure the seed is covered with at least 3cm and preferably 5cm of soil. Refer to the APPLICATION section of the label. DO NOT use on light soils (ie. sandy loams to loamy sands, less than 40% clay). Use the lower rate on light weed infestations. DO NOT use rates higher than 0.86kg/ha on soils with pH 8.0 and above as unacceptable crop damage may occur. The soil should be free of excessive clods, trash and deep furrows. Sufficient rainfall (20 to 30mm) to wet the soil through the weed root zone is necessary within 2 to 3 weeks of application. Note: Some early crop phytotoxicity may be observed at the high rate. Heavy, intense rainfall following application may cause crop damage. Avoid over-lapping sprays and spraying-out corners.
Lucerne	Established crop, over 12 months old	Weeds listed in TT Canola section use pattern	0.86 to 1.20kg/ha	Use the higher rate on heavier soils. Apply when Lucerne is dormant and over 12 months old. Apply after the Lucerne has been grazed or cut to 3-5cm. Allow a few days after grazing/cutting before treating. DO NOT apply under frosty or very wet conditions. Sufficient rainfall (20 to 30mm) to wet the soil through the weed root zone is necessary within 2 to 3 weeks of application. Note: Some early crop phytotoxicity may be observed at the high rate. Heavy, intense rainfall following application may cause crop damage. Avoid over-lapping sprays and spraying-out corners. Application after July may lead to crop phytotoxicity particularly if treating winter active varieties and conditions are warm. If weeds are present, add 250g/L paraquat product or 135g/L paraquat and 115g/L diquat product and refer to their labels for application rates and complete directions. The addition of paraquat +/- diquat will result in increased crop phytotoxicity/desiccation compared to TITAN Terbutylazine 875 WG Herbicide alone.
Sorghum, Maize/Corn, Sweet Corn (dryland and irrigated)	Pre-sowing AND Post-sowing, Pre-emergence	Bladder Ketmia, Dwarf Amaranth, Milk Thistle (Sow Thistle), Pigweed	1.20kg/ha	Apply to soil pre-sowing or post-sowing. Refer to the Application section of the label.
	Post-emergence	Boggabri Weed, Noogoora Burr, Sow Thistle (Milk Thistle), Turnip Weed, Wild Gooseberry All weeds above plus Annual Ground Cherry, Apple of Peru, Bathurst Burr, Bladder Ketmia, Caltrop, Cow Vine (Peach Vine), Dwarf Amaranth, Giant (Black) Pigweed, Pigweed (Red), Thornapples (<i>Datura</i> spp.)	1.20kg/ha 0.95kg plus Fluroxypyr 200g/L at 500-750mL/ha	Always add TITAN Duelling Spray Adjuvant at 500mL/100L water. Apply up to the 5-7 leaf stage of Sorghum. Refer to the 200g/L Fluroxypyr label for complete directions and rate selection.

CROP	SITUATION	WEEDS	RATE	CRITICAL COMMENTS
Application to fallows prior to planting Mung Beans, Soybeans, Barley, Oats and Wheat as directed in the Fallows section of the label (QLD, NSW only)	Pre-emergence	African Turnip Weed, Burr Medic, Corn Gromwell (White Iron Weed, Sheep Weed), Deadnettle, Indian Hedge Mustard, Flax Leaf Fleabane, Long Haired Poppy, Mint Weed, Ox Tongue, Prickly Lettuce, Shepherd's Purse, Sow Thistle/Milk Thistle, Toadrush, Wild Gooseberry, Wild Radish, Wild Turnip, Wireweed/Hogweed (<i>Polygonum aviculare</i>) <u>Suppression of:</u> Annual Ryegrass, Bladder Ketmia, Boggabri Weed, Doublegee/Spiny Emex, Dwarf Amaranth, Phalaris, Pigweed, Wild Oats, Wild Radish	0.86 to 1.2kg/ha	Apply to moist soil or when rain is imminent and prior to germination of weeds. Use the higher rate where the soil is covered by more than 50% trash/stubble/weeds for heavy weed pressure or for longer weed control. If weeds are present, cultivate or apply a knockdown herbicide prior to applying TITAN Terbutylazine 875 WG Herbicide. TITAN Terbutylazine 875 WG Herbicide may also be tank mixed with certain knockdown herbicides. See Compatibility section of the label. Avoid spray overlap and double spraying on headlands and corners. Refer to the Fallows section of the label for plantback instructions.
Cereals (Barley, Oats, Wheat) (not irrigated)	Pre-sowing (IBS only)	Burr Medic, Corn Gromwell (White Iron Weed, Sheep Weed), Deadnettle, Indian Hedge Mustard, Long Haired Poppy, Mint Weed, Ox Tongue, Prickly Lettuce, Shepherd's Purse, Sow Thistle, Toadrush, Turnip Weed, Wild Gooseberry, Wild Turnip, Wireweed <u>Suppression of:</u> Annual Ryegrass, Doublegee/Spiny Emex, Phalaris, Silver Grass, Wild Oats, Wild Radish	0.86 to 1.20kg/ha	Apply pre-sowing and incorporate by sowing (IBS) using knife points and press-wheels only. Ensure the seed is covered with at least 3cm and preferably 5cm of soil. Refer to the Application section of the label. Use the lower rate on light soils (sandy loams to loamy sands) and the higher rate on heavier soils (loams, silt plus clay 40-60%). DO NOT use rates higher than 0.86kg/ha on soils with pH 8.0 and above as unacceptable crop damage may occur. The soil should be free of excessive clods, trash and deep furrows. Sufficient rainfall (20 to 30mm) to wet the soil through the weed root zone is necessary within 2 to 3 weeks of application.
Wheat, Barley (not irrigated)		All cereals weed claims above plus control of Annual Ryegrass	0.86 to 1.20kg/ha plus 2L/ha of a 480g/L trifluralin product	Note: Some early crop phytotoxicity may be observed particularly on light soils. Heavy, intense rainfall following application may cause crop damage. At the higher rates, avoid over-lapping sprays and spraying-out corners.
		All cereals weed claims above plus control of Wild Oats	0.86 to 1.20kg/ha plus 2L/ha of a 500g/L triallate product	
Irrigated or dryland Roundup Ready® Cotton or Roundup Ready Flex® Cotton	Post-sowing, Pre-emergence	Pre-emergent control: Bladder Ketmia, Boggabri Weed, Dwarf Amaranth, Milk Thistle (Sow Thistle), Pigweed, Flax Leaf Fleabane	0.86-1.2kg/ha	Use the higher rate on heavy infestations and for longer control. Apply after sowing, before weed or crop germination, as an overall or band treatment. The minimum band width should be 40cm. Sufficient rainfall or irrigation (20 to 30mm) to wet the soil through the weed root zone is necessary within 2 to 3 weeks of application. Heavy, intense rainfall following application may cause crop damage. DO NOT apply using 'open cab' ground boom application equipment. Must use closed cab ground boom application equipment.
	Directed (Layby) application	Pre-emergent control of weeds as per pre-emergent control above Post-emergent control of Boggabri Weed, Noogoora Burr, Sow Thistle (Milk Thistle), Turnip Weed, Wild Gooseberry	0.86-1.2kg/ha	Apply as a directed spray to cover the area beneath Cotton plants and between rows when the cotton is 30-50cm high (typically 16-22 nodes). Minimise spray contact or drift onto Cotton plants as injury may result. Apply before new weed germinations occur or to actively growing weeds less than 8cm wide/high. Always add TITAN Duelling Spray Adjuvant at 500mL/100L water for post-emergent weed control. For a wider range of emerged weeds add TITAN CC & Dry OTT Gly 700 Herbicide. Refer to the labels for complete directions and rate selection. DO NOT apply after the 22 node growth stage. DO NOT apply using 'open cab' ground boom application equipment. Must use closed cab ground boom application equipment.

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

HARVEST

All crops: NOT REQUIRED WHEN USED AS DIRECTED.

GRAZING

Chickpeas, Faba Beans, Field Peas, Lentils, Lupins, Vetch and Canola: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER APPLICATION.

Sorghum, Sweet Corn, Maize/Corn, Lucerne: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION.

Fallows: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER APPLICATION.

Cereals (Wheat, Barley, Oats): DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 8 WEEKS AFTER APPLICATION.

Cotton: DO NOT GRAZE TREATED COTTON CROPS OR FEED STUBBLE OR TRASH TO LIVESTOCK.

GENERAL INSTRUCTIONS

- TITAN Terbutylazine 875 WG Herbicide can be used to selectively control weeds in the crops listed in the Directions For Use table and on fallows prior to establishing crops as directed in Fallows section below.
- When applied pre-emergence, the product is mainly absorbed via the roots. Weeds buried by cultivation may not be effectively controlled. Heavy rainfall on light soils may cause movement of the herbicide out of the weed seed zone, resulting in reduced weed control.
- DO NOT apply to recently burnt stubble/trash. After burning, rainfall or cultivation is required to allow TITAN Terbutylazine 875 WG Herbicide to reach the soil and not be irreversibly bound by ash.
- Sufficient rainfall (20 to 30mm either as rainfall or irrigation) to wet the soil through the weed root zone is necessary within 2 to 3 weeks of application to make the product effective. Weeds may germinate and emerge before being controlled by TITAN Terbutylazine 875 WG Herbicide. A delay in rainfall beyond 3 weeks may result in weeds germinating from depth and surviving.
- Where soil has a high potential for leaching, heavy rainfall between application and crop emergence may result in crop damage from movement of herbicide into the crop seed zone.
- In flood or furrow irrigation situations, complete and continued activation of the product may not occur due to a thin band of dry soil on the surface during or after irrigation.
- Dense weed populations and multiple germinations (especially Wild Radish) may require both a pre-emergent and post-emergent herbicide treatment (only one being TITAN Terbutylazine 875 WG Herbicide) to give acceptable control.

INTEGRATED WEED MANAGEMENT STRATEGY FOR TT CANOLA

The use of this product in TT Canola is subject to the current approved [Integrated Weed Management Strategy for the use of triazine herbicides in TT Canola](#). The Strategy encompasses: Integrated Weed Management; the specific management of crop plant volunteers and outcrossing to other plants; and triazine herbicide residue management (agronomic and environment). Compliance with registered label directions and adoption of the principles outlined in the Strategy will assist with implementation of crop management practices that minimise the development of herbicide resistance in treated weeds; reduce the levels of triazine residues in the environment; and manage volunteer plants and outcrossing. Copies of the Strategy are available from TITAN AG Pty Ltd.

Where specific information and farm management assessment is required to assist with application of Integrated Weed Management programs on-farm, particularly in adapting strategies to local conditions, then specific expert advice should be obtained from an appropriate agronomist, consultant, chemical supplier or Departmental adviser.

To minimise herbicide resistance:

- Avoid dry sowing in heavily weed infested paddocks. Wait for a weed germination after the opening rains in weedy paddocks. Use a pre-plant knockdown or cultivation. No weeds should be allowed to survive at this stage.
- Avoid using TITAN Terbutylazine 875 WG Herbicide if the area to be treated had a triazine herbicide applied to it last season.
- Watch for escapes, especially in paddocks with a long history of Group 5 Herbicide use.
- Avoid using Group 5 herbicides in consecutive years.

Resistant Weeds Reporting

Growers should collect plant or seed samples where weeds that are normally susceptible to atrazine, simazine and terbutylazine may be resistant, get them tested and seek professional advice.

MIXING

DO NOT mix or load within 20m of any well, dam, intermittent or perennial stream. Partially fill the spray tank with water and maintain agitation while adding the required quantity of TITAN Terbutylazine 875 WG Herbicide. Agitation should continue after filling and during spraying. If spray is allowed to stand, agitate thoroughly before resuming spraying.

COMPATIBILITY

This product is compatible with TITAN Fluroxypyr 333 EC Herbicide, TITAN Fluroxypyr 400 Herbicide, TITAN S-Metolachlor 960 Herbicide, TITAN Wetter 1000 Wetting Agent, TITAN Duelling Spray Adjuvant, TITAN Paraffinic Spraying Oil, TITAN Treflan Herbicide, TITAN Amine 625 Selective Herbicide, TITAN Picloram 75-D Herbicide, TITAN Glyphosate herbicides, TITAN Paraquat 250 Herbicide, TITAN EOS Herbicide, TITAN Imazethapyr 700 WG Herbicide, TITAN Isoxaflutole 750 WG Herbicide, TITAN Tri-Allate 500 EC Herbicide. It is advisable that a small scale compatibility test be carried out prior to tank mixing with other products. Some reduction in control may be observed on some weeds compared to the application of knockdown herbicides alone, particularly on large weeds. Read and follow all label directions, restraints, plantback periods, withholding periods, regional use restrictions and safety directions for the tank mix products.

APPLICATION

Pre-sowing

TITAN Terbutylazine 875 WG Herbicide can be applied to either cultivated or un-worked soil up to 7 days prior to sowing. If cultivated, the soil should be relatively level before spraying and after sowing.

Incorporation By Sowing (IBS)

Best results are achieved when Incorporated By Sowing, using minimum-tillage sowing equipment (fitted with knife points or blades less than 12mm wide and minimum 20cm tyne spacing) followed by press wheels. DO NOT use a combination of press wheels plus harrows or chains when sowing. A high level of trash (greater than 50% ground cover) may reduce weed control and hamper the sowing operation. For crop safety, maintain slow to moderate speed to avoid leaving deep furrows and avoid throwing soil into adjacent furrows. Deep furrows may also lead to reduced weed control in the crop row.

Post-sowing, Pre-emergence (PSPE)

Apply within 2 days of sowing to soil which is relatively flat after the sowing operation. This may require trailing harrows, prickle chain or a separate rolling operation to leave the soil in an un-ridged condition after sowing and before the application.

Post-emergence

TITAN Terbutylazine 875 WG Herbicide can be applied to weeds growing in Triazine Tolerant Canola up to 6-leaf stage and Sorghum up to 5-7 leaf stage of the crop. Always add TITAN Duelling Spray Adjuvant at 500mL/100L water.

Directed (Lay-by) Application

In Cotton, apply as a directed spray to cover the area beneath Cotton plants and between rows when the cotton is 30-50cm high (typically 16-22 nodes). Minimise spray contact or drift onto Cotton plants as injury may result. Apply before new weed germinations occur or to actively growing weeds less than 8cm wide/high. Always add TITAN Duelling Spray Adjuvant at 500mL/100L water for post-emergent weed control. For a wider range of emerged weeds add TITAN CC & Dry OTT Gly 700 Herbicide.

Fallow Application

TITAN Terbutylazine 875 WG Herbicide can be applied to a fallow to provide pre-emergence control of certain weeds emerging prior to sowing nominated crops below. Apply to moist soil or when rain is imminent and prior to germination of weeds. If weeds are present, cultivate or apply a knockdown-herbicide prior to applying TITAN Terbutylazine 875 WG Herbicide. TITAN Terbutylazine 875 WG Herbicide may also be tankmixed with certain knockdown herbicides. See Compatibility section of the label.

FOLLOWING CROPS

TITAN Terbutylazine 875 WG Herbicide is broken down by microbial activity, which is favoured by moist soil. Soil which is intermittently dry and moist over the plantback period may result in longer plantbacks. Observe the following plantback intervals between the date of application to a fallow or crop and the planting date of following crops, therefore:



Crop to be planted after application of TITAN Terbutylazine 875 WG Herbicide	TITAN Terbutylazine 875 WG Herbicide application rate	Minimum rainfall or irrigation	TITAN Terbutylazine 875 WG Herbicide application rate	Minimum rainfall or irrigation
Mungbeans, Soybeans	0.86kg/ha	105mm	1.2kg/ha	140mm
Barley, Oats, Wheat		140mm		170mm
All other crops		175mm		175mm
Sorghum, TT Canola	Not required			

These plantbacks are based on average seasonal rainfall (or irrigation) and need both the months and rainfall minimums. Under dry conditions the breakdown of TITAN Terbutylazine 875 WG Herbicide in the soil may take longer and further advice should be sought from TITAN AG Pty Ltd.

CROP SAFETY

The safety of TITAN Terbutylazine 875 WG Herbicide to crops is due to both physically placing seed below the treated soil and to biological tolerance. A crop which is slow to germinate, emerge and grow due to frost, waterlogging, insects or disease will be less tolerant of any herbicide uptake.

The following factors are most important for crop safety:

- In Pulse crops, ensure the seed is covered with at least 3cm and preferably 5cm of soil.
- In Pulse crops, do NOT use rates higher than 0.86kg/ha on soils with pH 8.0 and above as unacceptable crop damage may occur.
- Heavy rain after application onto ridged soil in particular may cause crop damage from TITAN Terbutylazine 875 WG Herbicide washed into the seed furrow. At the higher rates, avoid over-lapping sprays and spraying-out corners.
- Avoid soils which are prone to water logging or where the furrows are likely to collapse after sowing.
- Avoid using fungicide seed treatments known to reduce seedling vigour, particularly if mixing TITAN Terbutylazine 875 WG Herbicide with other herbicides.
- Sowing with disc seeders may lead to unacceptable crop damage in cereals and Pulse crops.

SPRAYING

Apply by ground boom only in a minimum of 50L/ha.

RESISTANT WEEDS WARNING

TITAN Terbutylazine 875 WG Herbicide is a Group **5** Herbicide belonging to the triazines group which is an inhibitor of photosynthesis at photosystem II. For weed resistance management TITAN Terbutylazine 875 WG Herbicide is a Group 5 Herbicide. Some naturally occurring weed biotypes resistant to TITAN Terbutylazine 875 WG Herbicide and other triazine 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 TITAN Terbutylazine 875 WG Herbicide or any 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 TITAN Terbutylazine 875 WG Herbicide to control resistant weeds.

PRECAUTIONS

Re-entry Period: DO NOT allow entry into treated areas for 8 days. When prior entry is necessary, wear cotton overalls, over normal clothing, buttoned to the neck and wrist and chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with the product or used containers. After application of TITAN Terbutylazine 875 WG Herbicide, do NOT irrigate crop to the point of run-off, unless it can be retained on farm. DO NOT use in channels or drains.

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 apply or drain or flush equipment on or near desirable 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. DO NOT apply on sites where surface water from heavy rain can be expected to run-off to areas containing or to be planted with susceptible crops or plants. DO NOT plant crops other than those recommended on this label for at least 6 months following the most recent application of up to 1.2kg per hectare.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Shake bag contents into spray tank until the bag is empty. DO NOT dispose of undiluted chemicals on-site. Puncture or shred and deliver empty packaging for appropriate disposal 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

May irritate the eyes. Avoid contact with eyes and skin. When opening the container, mixing and loading and preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length chemical-resistant gloves and a half face respirator with dust cartridge or canister. When preparing the product for use by boom spray equipment, wear cotton overalls, over normal clothing, buttoned to the neck and wrist and a washable hat and elbow-length chemical-resistant gloves and a half facepiece respirator with dust cartridge or canister. When using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). In addition, when using the prepared spray by lay-by application equipment wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, elbow-length chemical resistant gloves and a half facepiece respirator with dust cartridge or canister. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use wash gloves, contaminated clothing and respirator and if rubber, wash with detergent and warm water.

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 Terbutylazine 875 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: Harmful if swallowed. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Precautionary Statements: Do not breathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Get medical advice/attention if you feel unwell. Collect spillage. Dispose of contents/container in accordance with local/regional/national regulations.

