

CAUTION

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

TITAN

CC & DRY OTT GLY 700 HERBICIDE

ACTIVE CONSTITUENT: 700 g/kg GLYPHOSATE present as the MONO-AMMONIUM SALT

GROUP **9** HERBICIDE



For the control of annual and perennial weeds in Roundup Ready Flex Cotton crops and Roundup Ready Canola crops and TruFlex Canola crops as per the Directions For Use table.

APVMA Approval No.: 63021/137925

Pack Size: 1kg-20kg



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

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 disturb weeds by cultivation, sowing or grazing for six hours following treatment of annual weeds and seven days for perennial weeds.

DO NOT use as the only method of weed control.

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. 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 one to two hours before sunset and persist until one to two hours after sunrise.

DIRECTIONS FOR USE – ROUNDUP READY FLEX® COTTON		
Restraints: DO NOT disturb weeds by cultivation, sowing or grazing for six hours following treatment of annual weeds and seven days for perennial weeds. DO NOT use as the only method of weed control.		
FOR APPLICATIONS MADE IN ROUNDUP READY FLEX® COTTON FROM CROP EMERGENCE TO HARVEST		
No more than 4 applications may be made OVER THE TOP in any one crop. Any single application MUST NOT exceed 1.5kg/ha. Applications MUST NOT be made between 22 NODES and 60% BOLL OPEN STAGE. One of the four applications may be made OVER THE TOP in any one crop between 60% BOLL OPEN STAGE and HARVEST. Application at this stage MUST NOT exceed 1.5kg/ha.	NO MORE THAN FOUR APPLICATIONS MAY BE MADE IN ANY ONE CROP AND TOTAL OF ALL APPLICATIONS IN ANY ONE CROP MUST NOT EXCEED 6.0kg/ha.	
Tank mixtures with other herbicides or insecticides are not recommended for over-the-top applications of this product due to the potential for reduced weed control or crop injury to result. Tank mixes with Dropp* may be used providing the crop is 60% open and immature bolls cannot be cut with a sharp knife, alternatively where the seed coat in bisected bolls is black in colour.		
SITUATION – Cotton with Roundup Ready Flex® Technology in crop UP TO 22 NODES NO MORE than four applications are permitted in crop up to 22 nodes. Any single application in crop up to 22 nodes MUST NOT exceed 1.5kg/ha. Total of all applications in crop must be no more than four applications through all growth stages and MUST NOT exceed 6.0kg/ha.		
WEEDS CONTROLLED	RATE/ha	CRITICAL COMMENTS
Annual Ryegrass, African Turnip Weed, Annual Ground Cherry, Barnyard Grass, Bathurst Burr, Black Pigweed, Bladder Ketmia, Boggabri Weed, Button Grass, Caltrop (Yellow Vine), Camel (Afgan) Melon, Caustic Weed, Columbus Grass, Deadnettle, Liverseed Grass, Mexican Poppy, Milk (Sow) Thistle, Mintweed, Native Millet, New Zealand Spinach, Noogoora Burr, Paradoxa Grass, Pigweed (up to 25cm diam.), Spear Thistle, Stinkgrass (Lovegrass), Sweet Summer Grass, Thornapple (Datura), Turnip Weed, Variegated Thistle, Volunteer Cereals, Volunteer Sorghum, Wild Oats, Wild/Prickly Lettuce, Wireweed	520g-1.5kg	<u>Rate Selection:</u> Use the lower rates on young weeds and increase to the higher rate where weeds are dense or well developed. Dense infestations of some weeds eg. Barnyard Grass, Liverseed (Urochloa) Grass may need follow up treatments for complete control.
Climbing Buckwheat (less than 12 leaves), Couch, Johnson Grass	980g-1.5kg	Use the higher rate on plants at the flowering/seed head stage. For Johnson Grass apply to plants with a minimum of 30cm new growth. For long term control of Couch and Johnson Grass, repeat applications will be required.
Nutgrass	1.5kg followed by 1.5kg	Make first application to actively growing plants when the majority of Nutgrass plants have reached at least the 6-8 leaf stage but preferably later. Allow for maximum re-emergence before retreating.
SITUATION – Cotton with Roundup Ready Flex® Technology in crop between 60% BOLL OPEN STAGE and HARVEST: QLD, NSW ONLY NOT MORE than one application. DO NOT use on crops intended for seed production. Application made between 60% open stage and harvest MUST NOT exceed 1.5kg/ha. Total of all applications in crop must be no more than four applications through all growth stages and MUST NOT exceed 6.0kg/ha.		
WEEDS CONTROLLED	RATE/ha	CRITICAL COMMENTS
Bathurst Burr, Noogoora Burr, winter annual weeds including Sowthistle/Milkthistle	710g-1.5kg	Use the lower rate on light infestations of small weeds, where the crop canopy allows adequate spray coverage of the weeds. Increase to the higher rate when the crop canopy may limit spray coverage, when treating dense infestations, or when treating larger weeds. Apply alone or in tank mixtures with Dropp*. Apply when at least 60% of bolls are open and immature bolls cannot be easily cut with a sharp knife, alternatively where the seed coat in bisected bolls is black in colour. Where a leafy canopy limits spray coverage, reduced weed control can be expected. For best results under these conditions, delay application until canopy reopens following initial conditioning treatment.

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

DIRECTIONS FOR USE – ROUNDUP READY CANOLA**CROP SAFETY**

Applications may be made in Roundup Ready Canola from crop emergence to the 6 leaf stage (prior to bud formation). Sequential applications must be at least 14 days apart and canola must have incremental growth of at least 2 new leaves between applications. Some short-term, visual yellowing may occur when TITAN CC & Dry OTT Gly 700 Herbicide is applied. This effect is temporary and will not influence crop growth or yield. No additional surfactant is required for use in Roundup Ready canola. TITAN Spray Grade Ammonium Sulphate Herbicide Adjuvant may increase the performance of this product on annual and perennial weeds, particularly under hard water conditions (high levels of calcium, magnesium or bicarbonate ions) or drought conditions.

SITUATION – ROUNDUP READY® CANOLA Before use in this situation is carried out users should consult the Roundup Ready Canola Resistance Management Plan which has been developed to minimise the evolution of herbicide resistance in weed populations.

WEEDS CONTROLLED	GROWTH STAGE OF CROP	GROWTH STAGE OF WEED	RATE	CRITICAL COMMENTS
Annual Ryegrass, Barley Grass, Brome Grass, Canary Grass, Capeweed, Patersons Curse, Saffron Thistle, Scotch Thistle, Silver Grass, Spear Thistle, Variegated Thistle, Volunteer Cereals, Wild Mustard, Wild Oats, Wild Radish, Wild Turnip, Winter Grass	Crop emergence to 6 leaf (prior to bud formation)	For grass weeds and volunteer cereals: 1 leaf to mid-tillering For volunteer plants and/or broadleaf weeds: 1 true leaf to 8 leaves	887g/ha	Up to 2 applications only may be made in any one crop. Each application must be 887g/ha. Repeat applications may be required if a second flush of weeds germinates but do not apply after the 6-leaf stage of the crop. For sequential applications, applications must be at least 14 days apart and the Canola crop must have incremental growth of two leaves between applications. The Canola crop must have not advanced beyond the latest recommended growth stage (i.e. 6 leaf). Ensure broadleaf weeds have at least one true leaf and grasses two leaves before application.
Weeds as above plus Field Peas, Lupins, Sub-Clover, Annual Medic, Lentils, Chickpeas	Crop emergence to 6 leaf (prior to bud formation) Two applications required			Two applications of TITAN CC & Dry OTT Gly 700 Herbicide provide higher levels of control than a single application.

CANOLA – TRUFLEX* WITH ROUNDUP READY* TECHNOLOGY CROP SAFETY FOR OTT APPLICATIONS

Over-the-top (OTT) applications may be made in Canola varieties of TruFlex* with Roundup Ready* Technology (TruFlex* Canola) from crop emergence to the first flowering stage. Sequential applications must be at least 14 days apart and the Canola crop must have incremental growth of two leaves between applications. The Canola crop must not have advanced beyond the latest recommended growth stage (ie. first flowering). No additional surfactant is required for use in TruFlex* Canola.

Note: The total glyphosate active constituent applied as OTT applications up to first flowering in any one crop must not exceed 1.8kg/ha.

SITUATION – TRUFLEX* CANOLA

Before use in this situation is carried out users should consult the TruFlex* Canola Resistance Management Plan (RMP) which has been developed to minimise the evolution of herbicide resistance in weed populations.

WEEDS CONTROLLED	GROWTH STAGE OF CROP	GROWTH STAGE OF WEED	RATE	CRITICAL COMMENTS
Annual Ryegrass, Barley Grass, Brome Grass, Canary Grass, Capeweed, Paterson's Curse, Saffron Thistle, Scotch Thistle, Silver Grass, Spear Thistle, Variegated Thistle, Volunteer Cereals, Wild Mustard, Wild Oats, Wild Radish, Wild Turnip, Winter Grass	Crop emergence to first flowering (at least 50% of plants have at least one flower)	For grass weeds and volunteer cereals: 1 leaf to mid-tillering For volunteer plants and/or broadleaf weeds: 1 true leaf to 8 leaves	887g-1.28kg/ha	Up to 2 applications of up to 1.28kg/ha may be made in any one crop. Or up to 3 applications of 887g/ha may be made in any one crop. Repeat applications may be required if a second flush of weeds germinates, but DO NOT apply after the first flowering stage of the crop. For sequential applications, applications must be at least 14 days apart and the Canola crop must have incremental growth of two leaves between applications. The Canola crop must have not advanced beyond the latest recommended growth stage (ie. first flowering). Ensure broadleaf weeds have at least one true leaf and grasses two leaves before application. DO NOT apply after first flowering.
Weeds as above plus Annual Medic, Sub-Clover, Volunteer Chickpeas, Volunteer Field Peas, Volunteer Lentils, Volunteer Lupins	Crop emergence to first flowering (at least 50% of plants have at least one flower) Two applications required		887g-1.28kg/ha	Two applications of TITAN CC & Dry OTT Gly 700 Herbicide provide higher levels of control than a single application. DO NOT apply after first flowering.

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

OTHER LIMITATIONS:

WARNING: THE APPLICATIONS RECOMMENDED ABOVE ARE FOR USE ONLY WITH IMPROVED COTTON VARIETIES THAT ARE DESIGNATED AS ROUNDUP READY FLEX COTTON (WHICH CONTAINS THE ROUNDUP READY FLEX® TECHNOLOGY). SEVERE INJURY OR DEATH OF COTTON WILL RESULT IF ANY COTTON VARIETIES NOT PROPERLY DESIGNATED AS HAVING THE ROUNDUP READY FLEX TECHNOLOGY ARE SPRAYED WITH THIS PRODUCT. EXTREME CARE MUST BE TAKEN TO AVOID CONTACT WITH CROPS OR DESIRABLE PLANTS WITHOUT THE ROUNDUP READY FLEX TECHNOLOGY, OR WITH NATIVE VEGETATION, SINCE SEVERE INJURY OR DESTRUCTION WILL RESULT.

THE APPLICATIONS RECOMMENDED ABOVE ARE FOR USE ONLY WITH IMPROVED CANOLA VARIETIES THAT ARE DESIGNATED AS CANOLA WITH THE ROUNDUP READY® TECHNOLOGY. SEVERE INJURY OR DEATH OF CANOLA WILL RESULT IF ANY CANOLA VARIETIES NOT PROPERLY DESIGNATED AS HAVING THE ROUNDUP READY® TECHNOLOGY ARE SPRAYED WITH THIS PRODUCT. EXTREME CARE MUST BE TAKEN TO AVOID CONTACT WITH CROPS OR DESIRABLE PLANTS WITHOUT THE ROUNDUP READY TECHNOLOGY, OR WITH NATIVE VEGETATION, SINCE SEVERE INJURY OR DESTRUCTION WILL RESULT.

WITHHOLDING PERIODS:

Roundup Ready® Cotton: NOT REQUIRED WHEN USED AS DIRECTED

Roundup Ready Canola and TruFlex Canola:

Harvest: NOT REQUIRED WHEN USED AS DIRECTED

Grazing: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION

GENERAL INSTRUCTIONS

This product is a non-volatile, water soluble granule with non-selective herbicidal activity against many annual and perennial broadleaf weeds and grasses and is registered for use on Roundup Ready Flex Cotton and Roundup Ready Canola to control annual and perennial broadleaf weeds and grasses. This product is absorbed by plant foliage and green stems. It is inactivated immediately in the soil and does not provide residual weed control. This product moves through the plant from the point of contact and into the root system. Visible effects on annual weeds take 3-7 days, but on perennial weeds may not be obvious for 2-3 weeks or longer in some cases. Visible effects of control may be delayed by cool or cloudy weather at and following treatment. Visible effects are a gradual yellowing and wilting of the plant which advances to complete browning of above ground growth and deterioration of underground plant parts.

PREVENTATIVE RESISTANCE MANAGEMENT

Growers of Roundup Ready Flex Cotton must practise preventative resistance management strategies that have been endorsed by the TIMS Herbicide Tolerant Crop Technical Panel. These practices are detailed in the Integrated Weed Management Strategy included in the relevant TITAN AG Crop Management Plan. Growers must follow the Crop Management Plan. The approved Crop Management Plan is provided with the glyphosate product and copies are also provided on the website titanag.com.au. The CMP requires that growers must also allow TITAN AG or its agent to undertake the Weed Management Audit that is endorsed by the TIMS Herbicide Tolerant Crop Technical Panel. To minimise the risk of weeds developing resistance to TITAN CC & Dry OTT Gly 700 Herbicide use in conjunction with herbicides from alternative mode of actions groups and/or non-chemical weed control measures such as chipping and inter-row cultivation.

RESISTANT WEEDS REPORTING

It is recommended that growers collect seed samples where weeds that are normally sensitive to glyphosate become resistant, or are thought to be resistant. Roundup Ready Flex Cotton related incidents should be reported as part of the Weed Management Audit to TITAN AG Pty Ltd and the Australian Pesticides and Veterinary Medicines Authority. Growers and Technology Service Providers are required to report any adverse events, such as suspected weed resistance, to TITAN AG Pty Ltd as soon as it is identified. TITAN AG Pty Ltd will investigate the incident and produce a report of any incidents of confirmed resistance of weeds to TITAN CC & Dry OTT Gly 700 Herbicide in target weed species which are normally susceptible to this herbicide and forward the report as soon as practicable to the Australian Pesticides and Veterinary Medicines Authority.

MIXING INSTRUCTIONS

This granular product dissolves readily in water. Where product is supplied in Water Soluble Measure Packs, these will readily break up in the spray tank and dissolve in a few minutes. From boom applications, water volumes should not be less than 6 litres per 1kg of TITAN CC & Dry OTT Gly 700 Herbicide. Reduced results may occur if water containing soil is used, eg. water from ponds and unlined ditches or of hard water containing calcium salts is used. Ensure the spray tank is free of any residue of previous spray materials. Fill the spray tank with one half the required amount of clean water and add the proper amount of this product. Mix well before adding the remaining portion of water. Placing the filling hose below the surface of the spray solution will prevent excessive foaming. Removing hose from tank immediately after filling will prevent back siphoning into water source. DO NOT use mechanical agitators as these may cause excessive foaming.

APPLICATION INFORMATION

This product is a non-selective translocated herbicide. Direct spray contact, or even slight drift, may cause severe injury or destruction of any growing

crop or other desirable plants including trees. Clean all equipment after use by thoroughly washing with water.

BOOM EQUIPMENT

Use recommended rates of this product in 75 to 200 litres of clean water per hectare. When using this product at 250-700g/ha spray volumes in the range of 25-100L/ha are preferred. Fan nozzle equipment is recommended, using pressures in the range 240-280kPa. Boom height must be set to ensure double overlap of nozzle patterns at the top of the weed canopy.

AERIAL EQUIPMENT

DO NOT apply treatments by aircraft in situations where drift onto sensitive crops, pastures or desirable trees is likely to occur. Apply treatments using boom or Micronair equipment using a spray volume not less than 20L/ha and using settings to produce a COARSE to VERY COARSE spray quality. Swath width should be set to take into account aircraft type, wind conditions and target height. Swath width will need to be reduced to avoid striping under light wind conditions and/or application to tall, dense targets. Thoroughly wash aircraft after each day of spraying to remove herbicide residues.

AIR TEMPERATURE AND RELATIVE HUMIDITY

DO NOT apply TITAN CC & Dry OTT Gly 700 Herbicide by aircraft at temperatures above 30°C. Increase spray output to at least 30L/ha when temperatures rise above 25°C. Avoid application when relative humidity falls below 35%.

EQUIPMENT MAINTENANCE & USAGE

Spray solutions of this product should be mixed, stored and applied only in stainless steel, aluminium, brass, copper, fibreglass or plastic or plastic-lined containers. This product, or spray solutions of this product, react with galvanized steel or unlined steel (except stainless steel) containers and tanks, to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture can flash or explode if ignited by open flame spark, welders torch or other ignition source. Spray tank, pumps, lines and nozzles should be thoroughly rinsed with clean water following application to prevent extensive corrosion.

RESISTANT WEEDS WARNING

TITAN CC and Dry OTT Gly 700 Herbicide is a member of the glycine group of herbicides. TITAN CC and Dry OTT Gly 700 Herbicide has the inhibitor of EPSP synthase mode of action. For weed resistance management TITAN CC and Dry OTT Gly 700 Herbicide is a group 9 herbicide. Some naturally occurring weed biotypes resistant to TITAN CC and Dry OTT Gly 700 Herbicide and other inhibitors of EPSP synthase 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 CC and Dry OTT Gly 700 Herbicide or other inhibitors of EPSP synthase 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 CC and Dry OTT Gly 700 Herbicide to control resistant weeds. Growers must practice preventative resistance management as detailed in the Roundup Ready Flex Resistance Weed Management Plan.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Avoid contact with foliage, green stems or fruit of crops, desirable plants and trees, since severe injury or destruction may result.

Drift Warning: DO NOT apply under meteorological conditions or from spraying equipment that could be expected to cause spray drift onto nearby susceptible plants, adjacent crops, crop lands or pastures. DO NOT apply treatments under very light (<4km/hr) or inversion conditions or where wind speeds exceed 12km/hr.

GROUP 9 HERBICIDE

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers. When controlling weeds near watercourses, refer to the label directions to minimise the entry of spray into the water.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. DO NOT contaminate seed, feed or foodstuff. Shake bag contents into spray tank until 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

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. When preparing product for use, wear elbow-length PVC gloves and face shield or goggles. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated gloves and 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.

SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN CC & Dry OTT Gly 700 Herbicide is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit titanag.com.au

IMPORTANT MANUFACTURER'S NOTICE

ROUNDUP READY FLEX COTTON: ROUNDUP READY FLEX COTTON VARIETIES MUST BE PURCHASED FROM AN AUTHORISED LICENSED SEED SUPPLIER. THE DESIGNATION, "ROUNDUP READY FLEX", INDICATES THE COTTON VARIETY CONTAINS A PATENTED, PROPRIETARY TRAIT. IT IS UNLAWFUL TO SELL OR PLANT SAVED SEED.

COTTON WITH THE ROUNDUP READY FLEX TECHNOLOGY MAY ONLY BE USED FOR PLANTING A COMMERCIAL CROP IN A SINGLE SEASON. SEED MAY NOT BE SAVED FOR REPLANTING AND SAVED SEED MAY NOT BE SUPPLIED TO OTHERS FOR REPLANTING.

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: Toxic to aquatic life with long lasting effects. Precautionary Statements: Avoid release to the environment. Collect spillage. Dispose of contents/ container in accordance with local/regional/national regulations.

* Other trademarks

