CAUTION

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

TITAN

TRALKOXYDIM 400 WG

HERBICIDE

ACTIVE CONSTITUENT: 400g/kg TRALKOXYDIM

GROUP **1** HERBICIDE



For the control of Wild Oats and Annual Ryegrass and suppression of Annual Phalaris in Wheat, Barley, Rye and Triticale.

APVMA Approval No.: 64090/119104

Pack Size: 5kg; 10kg; 25kg; 50kg

TITAN AG
CROP PROTECTION

TITAN AG Pty Ltd | ABN 57 122 081 574
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WG Formulation Type
Water Dispersible Granule

IN A TRANSPORT EMERGENCY
• DIAL 000 • POLICE OR FIRE BRIGADE

9 3077
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains tralkoxydim)
PG III Hazchem 2Z

DIRECTIONS FOR USE

Restraints:

DO NOT apply to weeds or crops under stress due to severe frost, drought, water logging, low soil fertility, pre-emergent herbicides, insects or diseases.
DO NOT use boomless jets or misters.
DO NOT apply if rain is expected within a half-hour.

CROP	WEEDS CONTROLLED	WEED STAGE	STATE	RATE/ha	CRITICAL COMMENTS
Wheat, Barley, Rye, Triticale	Wild Oats	Growing actively at 2-4 leaf (pre-tillering)	QLD, NSW, VIC, TAS, SA only	300g *	Apply in first 4-6 weeks to unstressed crops and weeds when the majority of crop plants have 2 leaves. Application to lush crops may increase likelihood of yellowing and/or growth retardation.
				380g *	Apply in first 4-6 weeks to unstressed crops and weeds when the majority of crop plants have 3 leaves. This is the minimum rate if tank mixing with listed broadleaf herbicides.
				430g *	Apply in first 4-6 weeks when the majority of crop plants have 3 leaves. Use this rate under dry soil conditions or if applying during August onwards. Use of Supercharge at 1L per 100L may improve weed control under these conditions.
		Growing actively up to early tillering (maximum of 2 tillers)		500g *	Use where application is delayed. DO NOT apply to pre-tillered crops. Use of Supercharge at 1L per 100L may improve weed control if soil is dry or if applying during August onwards.
	Wild Oats and Annual Ryegrass in mixed infestations	Growing actively at 2-4 leaf (pretillering)	NSW, VIC, TAS, SA only	380g *	Use when Wild Oats predominate. DO NOT apply to crops with less than 3 leaves. Use of Supercharge at 1L per 100L may improve weed control if soil is dry or if applying during August onwards.
		Growing actively up to early tillering (maximum of 2 tillers)		500g *	DO NOT apply to pre-tillered crops. Use of Supercharge at 1L per 100L may improve weed control if soil is dry or if applying during August onwards.
		Growing actively at 2-4 leaf (pre-tillering)		380-500g *	DO NOT apply to tillered Ryegrass. Using spray volumes of 70-100L/ha may assist control. Tank mixes of the lower rate with listed broadleaved herbicides may reduce Ryegrass control.
	Annual Phalaris (suppression only of Paradoxa Grass, Lesser Canary Grass)	Growing actively at 2-4 leaf (pre-tillering)		380-500g *	Preferably apply within 6 weeks of sowing when weeds are at the 2 to 4 leaf stage and growing actively. DO NOT apply to tillered Annual Phalaris. The higher rate may give more reliable results. Use of spray volumes of 70-100L/ha may assist control. Tank mixes with listed broadleaved herbicides may reduce Annual Phalaris control. Paradoxa Grass is more sensitive than Lesser Canary Grass. DO NOT apply to crops with less than 3 leaves.
Wheat, Barley (except Moondyne Yagan), Rye, Triticale	Wild Oats	Growing actively at 2-4 leaf (pre-tillering)	WA only	250g *	Apply in first 4-6 weeks to unstressed crops and weeds when the majority of crop plants are at growth stage Z12. Application to lush crops may increase likelihood of yellowing and/or growth retardation.
		Growing actively up to early tillering (maximum of 2 tillers)		380g *	Use where application is delayed and the majority of crop plants are at growth stage Z13. This is the preferred rate for dense Wild Oat populations. Use this rate if tank mixing with listed broadleaf herbicides.
	Wild Oats and Annual Ryegrass in mixed infestations	Growing actively up to early tillering (maximum of 2 tillers)		380g *	Use when Wild Oats predominate. Apply when the majority of crop plants are at growth stage Z13.
		Growing actively at 2-4 leaf (pre-tillering)			DO NOT apply to tillered Ryegrass. Use of higher spray volumes may assist control. Tank mixes with listed broadleaved herbicides may reduce Ryegrass control.

***ALWAYS ADD SUPERCHARGE+. THE NORMAL RATE IS 750mL PER 100L SPRAY SOLUTION. INCREASE THE RATE TO 1L PER 100L UNDER DRYING CONDITIONS. ALWAYS USE 1L PER 100L FOR AERIAL APPLICATION.**

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

WITHHOLDING PERIOD: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION.

TITAN AG CROP PROTECTION

GENERAL INSTRUCTIONS

MIXING

Only use sprayers in good working condition with high capacity agitation. Ensure the sprayer is cleaned according to the label instructions on the product used prior to TITAN Tralkoxydim 400 WG Herbicide. Use only clean water for the spray solution. Ensure that all in-line strainer and nozzle screens in the sprayer are 100 mesh or coarser. DO NOT use cartridge or disc filters after the spray tank outlet, or have two (or more) filters directly after each other anywhere in the system.

Begin to fill spray tank with clean water, and engage agitator. Agitation must be continued throughout the entire mixing and spraying procedure. When the sprayer is half full of water, add TITAN Tralkoxydim 400 WG Herbicide slowly to the spray tank through the tank opening or through a hopper designed to handle granules. The hopper should be dry before adding TITAN Tralkoxydim 400 WG Herbicide granules.

- DO NOT premix TITAN Tralkoxydim 400 WG Herbicide.
- Add the total required amount of TITAN Tralkoxydim 400 WG Herbicide from all cartons first, prior to adding other herbicides or Supercharge adjuvant.
- Wait at least one minute after the last of the TITAN Tralkoxydim 400 WG Herbicide has been added to the tank to allow for complete dispersion of the granules.
- Add the recommended broadleaf weed herbicide or insecticide next if tank mixing.
- Slowly add Supercharge to the tank last, in at least 10 times its volume of water especially where a suction (filling) probe or hopper is used.
- Continue to fill tank to desired level with water.

SPRAYING INSTRUCTIONS

Ground Equipment: Apply in a spray volume of 50-150 litres of water per hectare at a pressure of 250-350kPa to ensure proper dispersion and spraying characteristics of the TITAN Tralkoxydim 400 WG Herbicide spray mix. Use flat fan nozzles such as Spraying Systems 110-01, 110-015, 110-02 or equivalent sizes from other manufacturers. DO NOT use 110-03 or bigger nozzles with TITAN Tralkoxydim 400 WG Herbicide. DO NOT use floodjet nozzles, boomless jets or misters or controlled droplet application equipment. Nozzles may be angled forward 45^0 to enhance penetration of the crop and provide better coverage. Always ensure that agitation is continued until spraying is completed even if stopped for brief periods of time. If the agitation is stopped for more than 5 minutes resuspend the spray solution by running on full agitation until the settled particles are fully re-suspended, prior to spraying. The spray mixtures of TITAN Tralkoxydim 400 WG Herbicide and Supercharge may be left overnight without loss of efficacy provided the settled product is completely re-suspended by stirring and/or agitation prior to re-use.

Aerial Equipment: Apply through boom or Micronair units in 20-30 litres of water per hectare. The use of the higher volume is preferred due to more reliable results. Droplet size should be 200-250 microns (VMD) and swath width should not be wider than recommended for type of plane and application unit. Weed control following aerial application may not be as good as from ground application.

CROP SAFETY

If TITAN Tralkoxydim 400 WG Herbicide is applied to stressed crops or treatment is followed by stress or if crop plants have less than 2 true leaves (Z12), yellowing or growth retardation may occur. Crops normally recover without loss in yield. Avoid double spraying (overlap).

Plant back Periods: DO NOT plant Sorghum, Maize or Rice for a period of four weeks after application of TITAN Tralkoxydim 400 WG Herbicide. Allow at least 10 days between application of TITAN Tralkoxydim 400 WG Herbicide and any other herbicide, except Metsulfuron-methyl for which the interval should be 14 days after TITAN Tralkoxydim 400 WG Herbicide. Allow at least 10 days between application of TITAN Tralkoxydim 400 WG Herbicide and any fertiliser treatment.

COMPATIBILITY

For broadleaved weed control, TITAN Tralkoxydim 400 WG Herbicide may be mixed as below.

State	TITAN Tralkoxydim 400 WG Herbicide g/ha	Co-herbicide maximum L/ha	
QLD, NSW, VIC, SA only	380-500g	Quattro+, Buctril+ MA	1.0-1.4
	380-500g	Polo+, MCPA ester	0.5/1.0
	380-500g	Tigrex+ (Mixture may cause temporary chlorosis)	0.8
	380-500g	Rally+	0.3
	380-500g	Eclipse+	7g
WA only	380g	Quattro+, Buctril+ MA	1.0
	380g	Polo+, MCPA ester *Note restriction on Kulin.	0.5*
	380g	Tigrex+ (Mixture may cause temporary chlorosis)	0.8
	380g	Rally+	0.3
	380g	Eclipse+	7g

DO NOT mix TITAN Tralkoxydim 400 WG Herbicide with 2,4-D, MCPA amine, dicamba or Metsulfuron-methyl. Allow at least 10 days between application of TITAN Tralkoxydim 400 WG Herbicide and herbicides containing 2,4-D, MCPA amine, dicamba or similar actives. Allow at least 14 days between application of TITAN Tralkoxydim 400 WG Herbicide and Metsulfuron-methyl. A TITAN Tralkoxydim 400 WG Herbicide should be applied prior to the broadleaved herbicides.

Insecticides: TITAN Tralkoxydim 400 WG is compatible with permethrin, alpha-cypermethrin, phosmet, lambda-cyhalothrin, dimethoate.

RESISTANT WEEDS WARNING

GROUP **1** HERBICIDE

TITAN Tralkoxydim 400 WG Herbicide is a member of the cyclohexanedione group of herbicides. The product has the inhibition of acetyl-coA carboxylase mode of action. For weed resistance management, the product is a Group 1 Herbicide. Some naturally occurring weed biotypes resistant to the product and other Group 1 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 this product or any other Group 1 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.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions or from spraying equipment, which may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Moderately hazardous to fish. DO NOT contaminate streams, rivers or waterways with the product or used containers.

STORAGE AND DISPOSAL

Container: Store in the closed, original container in a dry, cool, well-ventilated locked room or place and away from children, animals, food, feedstuffs, seed and fertilisers. 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 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.

Bag: Store in the closed, original container in a dry, cool, well-ventilated locked room or place and away from children, animals, food, feedstuffs, seed and fertilisers. DO NOT store for prolonged periods in direct sunlight. Single-rinse or shake remainder into spray. 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. If product in eyes, wash it out immediately with water. When preparing spray wear face shield or goggles. Wash hands after use. After each day's use, wash face shield or goggles.

FIRST AID

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

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SAFETY DATA SHEET
Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Tralkoxydim 400 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. Suspected of causing cancer. Toxic to aquatic life with long lasting effects. May form explosive peroxides. Precautionary Statements: Wear protective gloves and protective clothing. Wash all exposed external body areas thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Do not handle until all safety precautions have been read and understood. IF exposed or concerned: Get medical advice/attention. Collect spillage. IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider if you feel unwell. Rinse mouth. Store locked up. Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

