

CAUTION

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



TITAN

Trifluralin-Oryzalin

250 EC Selective Herbicide

ACTIVE CONSTITUENT:

125g/L TRIFLURALIN

125g/L ORYZALIN

SOLVENTS:

200g/L DIETHYLENE GLYCOL MONOBUTYL ETHER

132g/L LIQUID HYDROCARBON

220g/LN-METHYL-2PYRROLIDONE

GROUP **D** HERBICIDE



For pre-emergence control of annual ryegrass, phalaris, wireweed (hogweed) and deadnettle in wheat, barley and canola as described in the Directions For Use table.

IMPORTANT: READ THOROUGHLY BEFORE OPENING OR USING THIS PRODUCT.

APVMA Approval No.: 66351/53434

Contents: 20L-1000L



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IN A TRANSPORT EMERGENCY

DIAL 000

POLICE OR FIRE BRIGADE

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

DIRECTIONS FOR USE (For use in NSW, ACT, Vic, SA, WA only):

Restrains: DO NOT sow at speeds lower than 10 kilometres per hour when using the combine as the only method of incorporation.
 DO NOT use a disc-type seeder.
 DO NOT apply to areas with high weed seed burdens as a result of ineffective weed control in the previous season or directly after pasture.
 DO NOT rely exclusively on TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide for grass weed control. Use as part of a weed resistance management program involving herbicides with other modes of action (see GENERAL INSTRUCTIONS) and also non-chemical methods of control.

CROP/SITUATION	WEED	RATE L/ha	CRITICAL COMMENTS
Wheat, Barley, Canola, Conventional cultivation	Annual Ryegrass, Annual Phalaris, Wireweed (Hogweed), Deadnettle, suppression of Silvergrass (<i>Vulpia</i> spp.) and partial suppression of Wild Oats and Fumitory	1.6	<p>When to apply: Apply TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide from 5 days before sowing to just before sowing. Spraying and sowing may be done at the same time provided the boom is mounted in front of the tractor or combine. Sowing generally provides the mixing necessary to activate TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide however, for optimal weed control, full incorporation of TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide within 4 hours of application is recommended.</p> <p>Soil preparation: Area to be treated should be clear (<25% surface area covered) of established weeds, large clods or stones and plant trash. If >25% surface area is covered, or significant weed germination has occurred, requiring a knockdown herbicide, treat as a direct seeding situation.</p> <p>Sowing depth: Cereal seed should be sown to a depth of at least 5cm. Deeper sowing of short-strawed wheat varieties may lead to poor crop establishment. Canola seed should be sown at its normal sowing depth of 2 to 4cm. When relying entirely on the sowing operation for incorporation of TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide, use a standard tined combine with 10cm points. Cover harrows should be used to leave the soil in a relatively flat condition.</p>
Wheat, Barley, Canola, Direct seeding (including mixtures with knockdown herbicides)	Annual Ryegrass, Annual Phalaris, Wireweed (Hogweed), Deadnettle and partial suppression of Wild Oats and Fumitory	2.3	<p>When to apply: Apply TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide as close as possible to the time of sowing and no longer than 5 days before sowing.</p> <p>Seed-bed preparation: Weed growth should be continually heavily grazed until herbicide application. (Manufacturer's recommendations for knockdown herbicides must be observed for use on grazed mature plants). Stock should be removed before spraying seed bed with the tank mix of TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide and the knockdown herbicide. After spraying with the TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide/knockdown herbicide mixture, it is best to delay direct sowing for at least 1 day (depending on recommendations on knockdown product label). In some seed-bed conditions, a shallow cultivation may be necessary either before or after herbicide spraying to aid penetration of the seeding combine tynes.</p> <p>Sowing depth: Cereal seed should be sown to a depth of at least 5cm. Deeper sowing of short-strawed wheat varieties may lead to poor crop establishment. Canola seed should be sown at its normal sowing depth of 2 to 4cm. Use a standard tined combine with 10cm points for sowing. Cover harrows should be used to leave the soil in a relatively flat condition.</p>

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

WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

MIXING

TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide is an emulsifiable concentrate which mixes readily with water. Agitate the drum thoroughly before opening. Add the required quantity of TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide directly to the spray tank when about two-thirds full of water. Top up with water to the required volume, with agitators in motion.

EQUIPMENT

Standard low pressure (170 to 340kPa) boom sprayers only are recommended and must be fitted with by-pass or mechanical agitation. It is recommended to use 50 to 100L water/ha.

DO NOT apply with boomless jets or misters.

Poor weed control may result if directions are not closely followed. Overlapping or using higher than recommended application rates may result in crop injury or excessive soil residues.

INCORPORATION

Thorough incorporation of TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide to a depth of 4cm within 4 hours of application, followed by the sowing process will give superior control of weeds to that achieved by incorporation by the sowing process alone.

DIRECT SEEDING APPLICATION

Add the recommended amount of TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide and the label recommended quantity of a suitable knockdown herbicides such as Paraquat (250 g/L), Paraquat/Diquat or Glyphosate, to water in the spray tank during the filling operation.

Note: When TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide is tank mixed with Glyphosate or Paraquat/Diquat mixtures, the mixture should be kept thoroughly agitated and sprayed within one (1) hour of mixing.

RESISTANCE WEEDS WARNING

TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide is a member of the dinitroanilines group of herbicides. TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide has the inhibitors of tubulin formation mode of action. For weed resistance management, the product is Group D herbicide. Some naturally occurring weed biotypes resistant to TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide and other Group D 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 Trifluralin-Oryzalin 250 EC Selective Herbicide or other Group D 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 Trifluralin-Oryzalin 250 EC Selective Herbicide to control resistant weeds. Strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or local TITAN AG representative.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under meteorological conditions or from spraying equipment, which could be expected to cause spray drift onto nearby susceptible plants, adjacent crops, crop lands or pastures.

STORAGE AND DISPOSAL

Keep out of reach of children. 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 authority is not available, bury the empty packaging 500mm 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.

If the container is a returnable/refillable type, when empty or contents no longer required, return the container to the point of purchase. This type of container remains the property of TITAN AG Pty Ltd

Refillable Containers (1000L only): Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

Envirodrum mini bulk containers: (100, 120, 200L only): Store in the original sealed Envirodrum in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the drum with water or any water or any other foreign matter. After each use of the product, please ensure the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the drum have been used, please return the empty drum to the point of purchase. The drums remain the property of TITAN AG Pty Ltd.

SMALL SPILL MANAGEMENT

Wear protective equipment (see Safety Directions). Apply absorbent material such as earth, sand, clay granules or cat litter to the spill. Sweep up material for disposal when absorption is completed and contain in a refuse vessel for disposal (see Storage and Disposal section). If necessary wash the spill area with an alkali detergent and water and absorb the wash liquid for disposal as described above.

SAFETY DIRECTIONS

Harmful if swallowed. Poisonous if inhaled. Will damage eyes. May irritate the nose and throat. Will irritate the skin. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. Avoid contact with eyes and skin. DO NOT inhale spray mist. When opening the container, preparing spray, or using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length chemical resistant gloves, goggles and a half face-piece respirator. If product in eyes, wash it out immediately with water. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles, respirator and contaminated clothing. If rubber, wash with detergent and warm water

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, DO NOT induce vomiting, give a glass of water.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for TITAN Trifluralin-Oryzalin 250 EC Selective Herbicide is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit www.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.

BATCH NO:

DATE OF

MANUFACTURE: