



Product Name: Titan Imazapic + Imazapyr + MCPA Selective EC Herbicide  
APVMA Approval No: 82636/106325

Label Name:	Titan Imazapic + Imazapyr + MCPA Selective EC Herbicide
Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	ACTIVE CONSTITUENTS: 288.5g/L MCPA present as the ETHYL HEXYLESTER 22.0g/L IMAZAPIC 7.3g/L IMAZAPYR SOLVENT: 312g/L LIQUID HYDROCARBON
Mode of Action:	GROUP <b>B</b> <b>I</b> HERBICIDE
Statement of Claims:	For the early post-emergence control of certain annual and broadleaf weeds as part of the CLEARFIELD Production System for wheat, as specified in the Directions for Use table.
Net Contents:	5L; 10L; 20L; 110L; 1000L
Restraints:	Restraints: Apply ONLY to certified Clearfield wheat varieties. DO NOT apply to any other wheat varieties including Clearfield Plus Wheat varieties. DO NOT apply to crops which are stressed due to conditions such as waterlogging, frost, disease or nutritional disorders. DO NOT apply by aircraft. DO NOT apply if rain is expected within 6 hours of application.
Directions for Use:	

Other Limitations:	
Withholding Periods:	DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION. HARVEST FOR GRAIN: NOT REQUIRED WHEN USED AS DIRECTED.
Trade Advice:	
General Instructions:	<p><b>GENERAL INSTRUCTIONS</b></p> <p>TITAN Imazapic + Imazapyr + MCPA Selective EC Herbicide for Clearfield wheat is for use in Clearfield wheat only. Varieties with Clearfield Technology are those which have been bred specifically to be tolerant to TITAN Imazapic + Imazapyr + MCPA Selective EC Herbicide, namely CL STL and CL JNZ varieties.</p> <p>TITAN Imazapic + Imazapyr + MCPA Selective EC Herbicide is an early-post-emergence herbicide with some residual soil activity under good soil moisture conditions. Residual effects on weeds can be variable, where dry soil surface conditions follow the application of TITAN Imazapic + Imazapyr + MCPA Selective EC Herbicide, because the herbicide is not freely available to the weeds. Best weed control will be achieved when application is made to young weeds. The product must be mixed with Hasten* or Kwicken* as per the Directions for Use. Treated weeds will either die or will remain stunted and will not compete with the crop. Vigorous crop growth will assist in suppressing weeds not completely killed or germinating later.</p> <p><b>MIXING</b></p> <p>TITAN Imazapic + Imazapyr + MCPA Selective EC Herbicide is an emulsifiable concentrate formulation. Part-fill the spray tank with water, then with agitator running, add the required amount of product, 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.</p> <p><b>APPLICATION</b></p> <p>DO NOT apply by aircraft.</p> <p>Apply in a minimum of 50L water per hectare.</p> <p><b>EQUIPMENT CLEAN-UP</b></p> <p>This product contains MCPA LVE. Thoroughly clean all spray equipment, especially plastic spray lines, using ammonium solution or washing soda, before using on sensitive crops such as canola and legumes.</p> <p><b>COMPATIBILITY</b></p> <p>TITAN Imazapic + Imazapyr + MCPA Selective EC Herbicide is compatible with Fastac* Duo, Dominex* Duo, dimethoate, omethoate, Stomp* 440 and TITAN Trifluralin 480. TITAN Imazapic + Imazapyr + MCPA Selective EC Herbicide is also compatible with Hasten* and Kwickin*.</p> <p>DO NOT tank mix with foliar fertilizers</p> <p><b>BEST MANAGEMENT PRACTICE (BMP) PROGRAM</b></p> <p>A detailed program has been developed that outlines sound agronomic practices and integrated weed management programs, designed to optimise the performance of the Clearfield Production System and minimise the potential for the development of herbicide resistance in weed populations.</p> <p>Consultation on BMP should be undertaken with a Clearfield-accredited agronomist prior to purchasing the Clearfield Production System for wheat. Implementation of the BMP is an essential part of herbicide resistance management.</p> <p><b>FOLLOW CROPS</b></p> <p>This product, like all other imidazolinone herbicides, is broken down in the soil by microbes in wet, aerobic conditions. Under conditions that DO NOT favour breakdown, such as impoverished soils low in organic matter, non-wetting sands, anaerobic situations such as waterlogging, and prolonged dry periods, soil residues will persist longer and may affect susceptible follow crops.</p>

	<p>Otherwise normally safe residue levels may still affect follow crops growing under stressful conditions such as when soil nutrition is low or marginal, or when drought conditions or cold and very wet soil conditions prevail, or when soil pathogens or nematodes are present as these situations will add stress to the crops.</p> <p>As environmental and agronomic factors make it impossible to eliminate all risks associated with this product, rotational crop injury is always possible. Consult your local TITAN AG representative for advice should you have any concerns.</p> <p>Minimum re-cropping intervals (months after application) described in the Recropping interval table should be observed.</p>
Resistance Warning:	<p><b>RESISTANT WEEDS WARNING</b></p> <p>TITAN Imazapic + Imazapyr + MCPA Selective EC Herbicide is a member of the imidazolinone and phenoxy groups of herbicides and acts by inhibiting acetolactate synthase and disrupting plant cell growth. For weed resistance management TITAN Imazapic + Imazapyr + MCPA Selective EC Herbicide is a Group B and Group I herbicide. Some naturally occurring weed biotypes are resistant to TITAN Imazapic + Imazapyr + MCPA Selective EC Herbicide and other Group B and/or Group I herbicides. 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 other Group B and Group I 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.</p>
Precautions:	<p><b>RE-ENTRY PERIOD</b></p> <p>DO NOT allow entry into treated areas for 24 hours. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and a washable hat, goggles and chemical resistant gloves. Clothing must be laundered after each day's use.</p>
Protections:	<p><b>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS</b></p> <p>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. Canola, cotton, tobacco, grapevines, lupins, fruit trees and ornamentals are especially susceptible to spray drift and vapour movement.</p> <p>DO NOT spray within 50m of wetlands or waterways.</p> <p><b>CROP SAFETY</b></p> <p>This product may, in some circumstances, lead to transient crop yellowing and temporary slowing of growth but plants soon recover and yield is unaffected. This effect may be more pronounced when the product is used under poor growth conditions. DO NOT use this product on any wheat variety other than certified Clearfield wheat varieties. Severe crop damage will result to conventional wheat varieties.</p> <p><b>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</b></p> <p>DO NOT contaminate streams, rivers or waterways with the chemical or used containers.</p>
Storage and Disposal:	<p><b>STORAGE AND DISPOSAL</b></p> <p>Store in the closed, original container in a dry, cool well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple, or preferably pressure, 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, deliver empty containers to an approved waste management facility. If an approved waste management facility is not available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways,</p>

	<p>desirable vegetation and tree roots, in compliance with relevant Local, State and Territory government regulations. DO NOT burn empty containers or product.</p> <p>Refillable containers: Store in 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</p>
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Safety Directions:	<p><b>SAFETY DIRECTIONS</b></p> <p>Will damage eyes. May irritate the skin. Avoid contact with eyes and skin. DO NOT inhale vapour. If product in eyes, wash it out immediately with water. Wash hands after use. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. After each day's use, wash gloves, goggles and contaminated clothing.</p>
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First Aid Instructions:	<p><b>FIRST AID</b></p> <p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, do NOT induce vomiting. Give a glass of water</p>
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First Aid Warnings:	
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# DIRECTIONS FOR USE

CROP	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
Clearfield Wheat CL STL and CL JNZ varieties only	<p>African Turnip Weed (<i>Sisymbrium thellungii</i>), Amsinckia (<i>Amsinckia</i> spp.), Annual Ryegrass• (<i>Lolium rigidum</i>), Barley Grass (<i>Hordeum leporinum</i>), Bedstraw (<i>Galium tricornutum</i>), Brome Grass (<i>Bromus</i> spp.), Capeweed (<i>Arctotheca calendula</i>), Clover (<i>Trifolium</i> spp.), Corn Gromwell (<i>Buglossoides arvensis</i>), Crassula (<i>Crassula</i> spp.), Deadnettle (<i>Lamium amplexicaule</i>), Doublegee (<i>Emex australis</i>), Fumitory (<i>Fumaria</i> spp.), Hedge Mustard (<i>Sisymbrium officinale</i>), Indian Hedge Mustard (<i>Sisymbrium orientale</i>), London Rocket (<i>Sisymbrium irio</i>), Paterson's Curse (<i>Echium plantagineum</i>), Phalaris (<i>Phalaris</i> spp.), Shepherd's Purse (<i>Capsella bursa-pastoris</i>), Spear Thistle (<i>Cirsium vulgare</i>), Spreading Night Phlox (<i>Zaluzianskya divaricata</i>), Toadrush (<i>Juncus bufonius</i>), Turnip Weed (<i>Rapistrum rugosum</i>), Variegated Thistle (<i>Silybum marianum</i>), Volunteer Canola (<i>Brassica napus</i>), including Roundup Ready varieties, Volunteer Barley (<i>Hordeum vulgare</i>), Volunteer Wheat (<i>Triticum aestivum</i>) (other Clearfield Plus wheat and Clearfield wheat), Wild Turnip (<i>Brassica tournefortii</i>), Wild Oats/Volunteer Aats (<i>Avena</i> spp.), Wild Radish (<i>Raphanus raphanistrum</i>), Wireweed (<i>Polygonum aviculare</i>)</p> <p>Suppression only: Cat's-ear (<i>Hypochaeris radicata</i>), Climbing Buckwheat (<i>Fallopia convolvulus</i>), Common Vetch (<i>Vicia</i> spp.), Cotula (<i>Cotula australis</i>), Mintweed (<i>Salvia reflexa</i>), Medics (<i>Medicago</i> spp.), Prickly Lettuce (<i>Lactuca serriola</i>), Saffron Thistle (<i>Carthamus lanatus</i>), Silver Grass (1-2 leaf only) (<i>Vulpia</i> spp.), Sowthistle (<i>Sonchus oleraceus</i>), Storksbill (<i>Erodium</i> spp.), Volunteer Faba Beans (<i>Vicia faba</i>)</p>	900mL/ha plus Hasten* or Supercharge* at 0.5L/100L spray volume	<p>Apply to crops in the 4 leaf (Z14) to commencement of flag leaf (Z37) stage. Apply early post-emergence to actively growing grass weeds in the 3 leaf to 2 tiller stage (Z13-22) and broadleaf weeds in the 2-6 leaf stage. Weeds will either be killed or will be stunted and uncompetitive with the crop.</p> <p>DO NOT apply more than once per season to any one crop.</p> <p>◆Where ALS resistant ryegrass is known to be present, an application of a Group D herbicide, such as Stomp* 440 Herbicide or TITAN Trifluralin 480, should be made prior to sowing.</p>

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