

Product Name: Titan Ioxynil 250 EC Herbicide  
APVMA Approval No: 91890/133839



Label Name:	Titan Ioxynil 250 EC Herbicide
Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	ACTIVE CONSTITUENT: 250 g/L IOXYNIL present as IOXYNIL OCTANOATE SOLVENT: 642 g/L LIQUID HYDROCARBON
Mode of Action:	GROUP 6 HERBICIDE
Statement of Claims:	For the control of certain broadleaf weeds in onion crops, pyrethrum, garlic and leeks as per the Directions for use table.
Net Contents:	1 L - 20 L
Restraints:	For All States Restraints: DONOT apply to crops or weeds that are stressed due to lack of moisture or frost, or affected by disease. DO NOT apply immediately before a sprinkler irrigation or when rain is likely to fall. A three-hour drying period after application is necessary.  Additional restraint for Spring Onion, Shallot, Welsh Onion: DO NOT treat more than 10 ha per day.
Directions for Use:	This section contains file attachment.
Other Limitations:	

Withholding Periods:	<p>Onions: NOT REQUIRED WHEN USED AS DIRECTED</p> <p>Field grown/treated garlic, Spring Onion, Shallot, Welsh Onion: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION</p> <p>Leeks: DO NOT HARVEST FOR 7 WEEKS AFTER APPLICATION</p> <p>Pyrethrum: DO NOT HARVEST FOR 25 WEEKS AFTER APPLICATION</p> <p>Covered or protected grown/treated garlic: DO NOT allow treated garlic grown in covered or protected situations, such as, glasshouses, greenhouses or plastic tunnels to be made available for human or animal consumption.</p>
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Trade Advice:	<p>Trade Advice:</p> <p>Growers should note that Maximum Residue Limits (MRLs) or import tolerances may not exist in all markets for Garlic, leeks and Spring onions, Shallots &amp; Welsh onions produce treated with this product. If you are growing produce for export, please check with Titan Ag Pty Ltd for the latest information on MRLs and import tolerances before using this product.</p>
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General Instructions:	<p><b>MIXING:</b></p> <p>To ensure even mixing, half fill the spray tank with clean water, add the required amount of product and stir thoroughly. Add the remainder of the water and mix again before spraying.</p> <p><b>APPLICATION</b></p> <p>The use of this product should follow standard pre-emergence herbicide treatments or cultivation, otherwise the weeds are likely to be too large for successful treatment by the time the onions have reached the tolerant stage.</p> <p>DO NOT apply on a windy day.</p> <p>DO NOT apply by aircraft or misting machine.</p> <p>Boom Sprayer: Equip the machine with flat-fan nozzle tips designed to apply 440 or more litres of water per hectare at a pressure of 200 to 280 kPa. Calibrate the machine before use to ensure that the correct application rate is obtained. Check the height of the boom to ensure that the spray is evenly distributed.</p> <p><b>COMPATIBILITY</b></p> <p>As formulations of other manufacturers' products are beyond the control of Titan Ag Pty Ltd, all mixtures should be tested prior to mixing commercial quantities.</p>
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Resistance Warning:	<p><b>RESISTANT WEEDS WARNING</b></p> <p><b>GROUP 6 HERBICIDE</b></p> <p>TITAN Ioxynil 250 EC Herbicide is a member of the nitrile group of herbicides. TITAN Ioxynil 250 EC Herbicide has the inhibitors of photosynthesis at photosystem II mode of action. For weed resistance management TITAN Ioxynil 250 EC Herbicide is a Group 6 herbicide. Some naturally occurring weed biotypes resistant to TITAN Ioxynil 250 EC Herbicide and other Group 6 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 Ioxynil 250 EC Herbicide or other Group 6 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 Ioxynil 250 EC Herbicide to control resistant weeds.</p>
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Precautions:	<p><b>Re-entry:</b></p> <p>DO NOT enter treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves.</p>
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	<p>DO NOT undertake thinning plants for 8 days, hand harvesting and scouting for 22 days, hand set irrigation for 25 days and hand weeding &gt; 30 days post-treatment unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves.</p> <p>Clothing must be laundered after each day's use.</p>
Protections:	<p>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.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT: DO NOT contaminate streams, rivers or waterways with the chemical or used containers.</p>
Storage and Disposal:	<p>STORAGE AND DISPOSAL</p> <p>Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. Store away from children, animals, food, feedstuffs, insecticides, seed and fertilisers.</p> <p>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 500 mm 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.</p>
Safety Directions:	<p>SAFETY DIRECTIONS</p> <p>Poisonous if swallowed. May irritate the eyes. Avoid contact with eyes and skin. DO NOT inhale spray mist. When preparing spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves, and face-shield. 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, face-shield and contaminated clothing.</p>
First Aid Instructions:	<p>FIRST AID</p> <p>If poisoning occurs, contact a doctor, or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766 . If swallowed, do NOT induce vomiting. If in eyes wash out immediately with water.</p>
First Aid Warnings:	

## DIRECTIONS FOR USE

CROP	WEEDS CONTROLLED		Rates/ha	WHP	Critical comments
Onions	Bellvine	(Ipomoea plebeia)	2.1 to 2.8 L	-	<p>CROP: Apply between the three and eight leaf stage. Slight scorch or symptoms of wilting may occur but this is transient as subsequent growth and yield is unaffected.</p> <p>WEEDS: Apply between the cotyledon to 6 leaf stage. Most weeds will be more susceptible at the young plant stage than at later stages of growth. Use the higher rate when weeds are more mature.</p> <p>* Burr Medic, Capeweed, Saffron Thistle, Slender Celery, Smallflower Mallow and Wireweed will be controlled only in the cotyledon stage.</p>
	Burr Medic* Capeweed* Chickweed Climbing Buckwheat (Black Bindweed) Common Heliotrope Common Sowthistle (Milk Thistle) Corn Gromwell (Sheepweed) Dandelion Dead Nettle (Henbit, Stingless Nettle) Fat-Hen Fumitories Green Amaranth Green Crumbweed (Keeled Goosefoot) Lesser Swinecress (Bittercress) Ox Tongue Pigweed (Portulaca) Potato Weed (Yellow Weed) Prickly Paddy Melon Saffron Thistle* Scarlet Pimpernel or Blue Pimpernel Shepherd's Purse Slender Celery* Smallflower Mallow (Marshmallow)* Stagger Weed Threecornered Jack (Spiny Emex) Threeflower Nightshade Turnip Weed (Rapistrum) Wards Weed	(Medicago polymorpha) (Arctotheca calendula) (Stellaria media) (Polygonum convolvulus) (Heliotropium europaeum) (Sonchus oleraceus) (Buglossoides arvensis) (Taraxacum officinale) (Lamium amplexicaule) (Chenopodium album) (Fumaria spp.) (Amaranthus viridis) (Chenopodium carinatum) (Coronopus didymus) (Picris echioides) (Portulaca oleracea) (Galinsoga parviflora) (Cucumis myriocarpus) (Carthamus lanatus) (Anagallis arvensis) (Capsella bursa-pastoris) (Apium leptophyllum) (Malva parviflora) (Stachys arvensis) (Emex australis) (Solanum triflorum) (Rapistrum rugosum) (Carrichtera annua)	2.1 L		<p>Where Wireweed is dominant or weeds are more mature, 2 applications of 2.1 L/ha should be made at an interval of 14 to 21 days.</p>

	Wild Radish Wild Turnip Wireweed (Hogweed)*	(Raphanus raphanistrum) (Brassica tournefortii) (Polygonum aviculare)			
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Crop	Weeds controlled	Rates/ha	WHP	Critical comments
Spring onion, shallot, Welsh onion	Broadleaf weeds as above	2..1-2.8L/ha	21 days	Apply between the 3 and 8 leaf stage of the crop, and between the cotyledon and 6 leaf stage of the weeds Apply by ground based boom spray Apply a maximum of two (2) applications with a re-treatment interval of 14-21 days where wireweed is dominant, or weeds are more mature. Ensure adequate spray penetration to obtain effective control of the target weeds.
GARLIC (field grown only)	Broadleaf weeds	2.1-2.8L	21 days	Apply from 2 leaf stage of crop up to start of bulbing using accurately calibrated boomspray or similar equipment. Apply in accordance with the directions for use and precautions as stated on the product label for onions. Where one (1) spray only is applied, use the higher rate where target weeds are more mature within the crop. Where wireweed is the dominant species, or target weeds are more mature, apply maximum two (2) applications at the lower treatment rate, with 14 day interval between consecutive sprays. Apply in sufficient water volume to ensure adequate spray penetration of the crop, and thorough coverage of the weed foliage. Use a minimum water volume of 400L/ha Do not apply spray if rainfall is expected within 3 hours of application. Do not apply to crops that are stressed
Garlic grown in covered or protected situations for seed production purposes (NOT for human or animal consumption)		2.1-2.8L		

Leeks	Broadleaf weeds	2.1L	7weeks	<p>For both field sown and transplanted leeks, apply one (1) application only by boom spray, during the 5-8 leaf stage.</p> <p>Apply in sufficient water to ensure complete and thorough coverage of all weed foliage or ensure adequate spray penetration to obtain effective control of the target weeds.</p>
Tanacetum cinerariifolium crops (pyrethrum)	Lesser swinecress, Wild Turnip, Volunteer Potato, Chickweed, Wild Radish, Shepherd's Purse	100mL to 1L	25 weeks	<p>Apply once seedling pyrethrum is past the 2 true leaf stage and weeds are still in the seedling stage</p>

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