

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

TITAN

PROPYZAMIDE 500SC

HERBICIDE

ACTIVE CONSTITUENT: 500g/L PROPYZAMIDE

GROUP **3** HERBICIDE

For selective control of certain grasses and broadleaf weeds in canola and mustard, grain legumes, legume pasture, lettuce, turf, chicory, endive and radicchio and pyrethrum crops according to the Directions For Use table.

APVMA Approval No.: 66050/142712

Pack Size: 5L-1000L



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| | |
|---|---|
| SC | Formulation Type Suspension Concentrate |
| 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**Restrictions:** DO NOT apply more than once per season.

DO NOT apply to water logged soils.

DO NOT apply to land where run-off to aquatic areas or sensitive crops like cereals is likely.

SPRAY DRIFT RESTRAINTSSpecific 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.

| CROP | WEEDS CONTROLLED | STATE | RATE L/ha | CRITICAL COMMENTS | |
|--|---|-------------------------------------|--|---|---|
| Canola and Mustard (oilseed cultivars, <i>Brassica juncea</i>) | Annual Ryegrass, Winter Grass, Barley Grass, Silver Grass, Prairie Grass, Canary Grass, Great Brome, Squirrel Tail Fescue, Rats Tail Fescue | ALL STATES | 1.0 | Apply to moist soil prior to seeding only. Incorporate by sowing (IBS) with knife or blade points. A rainfall event (25mm) between application and sowing, or soon after sowing is required for best results. Avoid seeding practices that move treated soil back into the furrow. Heavy rainfall events that wash product back into the furrow can delay emergence and cause crop injury. DO NOT use on white sandy soils, or paddocks that have been recently mouldboard ploughed or spaded. | |
| Grain Legumes (including lupins, chickpeas, lentils, field peas, faba beans, navy beans) | | | | | |
| Legume Pastures (including lucerne, clover, medics etc. grown for forage, hay or seed production) | Wild Oats, Perennial Ryegrass, Bent Grass, English Couch, Yorkshire Fog Grass, Chickweed, Seedling Sorrel, Blackberry Nightshade, Paterson's Curse, Seedling Wireweed | NSW, ACT, TAS, SA, WA only | 1.0-1.5 | Apply when weeds are at post or pre-emergent stages. Seedling Crops: Apply after the third trifoliolate leaf is fully developed. Established Crops: Apply any time before the end of July. | |
| | | | 1.5-2.0 | Use the rates at the higher end of the range on soils, if conditions are not optimal or where a heavy grass population is expected. Grazing or cutting PRIOR to treatment is recommended. BEST RESULTS: When applied during cool and moist conditions. Rain or irrigation is necessary to thoroughly wet the top 3 to 4cm of soil. This is similar to 25mm rain. Use rates towards the higher end of the range on heavy soils, if conditions are not optimal or where a heavy grass population is expected. Grazing or cutting PRIOR to treatment is recommended. | |
| Lettuce (direct sown) | Barnyard Grass, Blackberry Nightshade, Chickweed, Portulaca, Winter Grass, Rye Grass, Summer Grass, Wireweed, Prince of Wales Feather, Shepherd's Purse, Nettles | ALL STATES | 4.5 in 330-550L of water | Apply pre-emergent, immediately after sowing. For best results, prepare the seed bed free from clods. Sufficient irrigation to wet the top 3 to 4cm of soil should be applied within 24 hours. | |
| Lettuce (transplanted) | | | | Apply immediately after transplanting. For best results, prepare the seed bed free from clods. Sufficient irrigation to wet the top 3 to 4cm of soil should be applied within 24 hours. | |
| | | VIC only | 2.3 in 300-550L of water | Apply on light sandy soils, low in organic matter. | |
| Turf and Lawns Common Couch | Winter Grass | ALL STATES | 1.2 (12mL/100m ²) | Rate Bowling Green 37m x 37m 170mL | Apply during the autumn and winter if established turf is infested with seedling Winter Grass. Ensure a uniform coverage. Irrigate immediately after application with 12-25mm irrigation or rain and again 24 hours later. Repeat treatment if necessary on Queensland Blue Couch after 4 weeks. DO NOT RESEED FOR 60 DAYS AFTER TREATMENT. Use ONLY on established turf. DO NOT use on bluegrass, ryegrass, fescue or bent grass lawns. |
| Queensland Blue Couch | | QLD only | 0.6 (6mL/100m ²) | 85mL | |
| Buffalo Grass | | WA only | 1.2 (12mL/100m ²) | 170mL | |
| Chicory, Endive and Radicchio | Grass and broadleaf weeds including Barnyard Grass, Summer Grass, Winter Grass, Rye Grass and Portulaca, Prince of Wales Feather, Blackberry Nightshade, Chickweed, Nettles, Shepherds Purse and Wireweed | ALL STATES | 3.4 in 330-500L water | Direct sown crops: Apply pre-emergence immediately after sowing. To ensure best results, the seed bed should be well prepared and free from clods. Sprinkler irrigation after application is desirable. Transplanted crops: Apply immediately after transplanting to clean freshly worked soils, well prepared and free from clods. Sprinkler irrigation after application is desirable. | |
| Pyrethrum crops (<i>Tanacetum cinerariifolium</i>) | Annual Ryegrass | ALL STATES | 2.5-4.5 apply in a spray volume of 330-550L/ha | Apply only in crops where there is evidence of Group 1 or 2 herbicide resistant ryegrass (HRR). Apply a maximum of 2 foliar applications per season at a minimum interval of 30 days. Crop may be treated either at pre-emergence stage, or at post-emergence stage any time after the third leaf has fully developed. Best results are obtained when the product is applied during cool moist conditions. Rain or irrigation is necessary to thoroughly wet the top 3-4cm of soil. This is similar to 2-3cm of rain. Use low rate for light, sandy type soils. Use higher rate on heavier soils, if conditions are not optimal, or where a heavy grass population is expected. Grazing or cutting of crop before treatment is recommended. | |

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

WITHHOLDING PERIODS:

Canola, Mustard:

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

GRAZING: DO NOT GRAZE OR CUT FOR STOCK FOOD 12 WEEKS AFTER APPLICATION.

Grain Legumes:

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

GRAZING: DO NOT GRAZE OR CUT FOR STOCK FOOD 12 WEEKS AFTER APPLICATION.

All Other Crops: DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD OR FOR SEED FOR 25 DAYS AFTER APPLICATION.

Chicory, Endive, Radicchio:

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

GRAZING: DO NOT GRAZE.

Pyrethrum Crops: DO NOT GRAZE OR CUT TREATED AREA FOR STOCK FOOD FOR 25 DAYS AFTER APPLICATION.

GENERAL INSTRUCTIONS

Best results are obtained by applying the product to cool, wet soil.

MIXING

Prior to pouring, shake container vigorously, then add the required quantity of TITAN Propyzamide 500SC Herbicide to water in the spray vat while stirring or with agitators in motion.

APPLICATION

Ensure complete and uniform spray coverage on soil. Spray coverage may be compromised where application is made to a ridged or excessively cloddy soil surface or where cover of crop or weed residues restrict contact with the soil surface. Reduced effectiveness may occur where there is reduced contact of the herbicide with the soil surface. High stubble loadings or ash from a recently burnt paddock can lead to poor soil contact. Results may be unsatisfactory if ground cover from stubble exceeds 50%. Standing stubble will cause less efficacy loss compared to stubble that has been dropped to the ground via mechanical means or grazing. It is best to delay application to recently burnt paddocks or windrows until rainfall occurs to disturb the layer of ash. TITAN Propyzamide 500SC Herbicide binds to ash stronger than it does to stubble (ash is free carbon).

SEED PLACEMENT & EQUIPMENT

Crop seed should ideally be sown below the applied band of TITAN Propyzamide 500SC Herbicide to avoid reduced plant vigour. Sowing with knife points and press wheels is regarded as the safest sowing configuration when using TITAN Propyzamide 500SC Herbicide. Crop safety when using disc seeding systems is variable based on seed placement. TITAN Propyzamide 500SC Herbicide should be applied prior to sowing and incorporated by sowing using either knife point and presswheel planter or by full disturbance cultivation with trailing harrows. Incorporation with a knife point and press-wheel planter may result in reduced weed control in the drill row. If using a knife point and press-wheel planter, adjust working speed to avoid excessive soil throw into the adjoining seeding row. Weeds germinating from depth, weeds about to emerge or emerged weeds not controlled by knockdown herbicides may not be controlled by TITAN Propyzamide 500SC Herbicide.

ENVIRONMENTAL CONDITIONS

TITAN Propyzamide 500SC Herbicide requires adequate soil moisture for effective weed control. TITAN Propyzamide 500SC Herbicide is effective in warm moist soils on small germinating grass weeds. Best results are achieved when sufficient rainfall occurs soon after application, or soil movement from sowing incorporates the product into the weed root zone. The efficacy of TITAN Propyzamide 500SC Herbicide improves when soil temperatures decline below 10°C. Cool moist soils in the months following application is favourable for residual grass weed control.

Caution: The potential for Canola and Mustard seedling damage may occur on:

- Light soils with low organic matter if heavy rainfall follows sowing.
- Dry sown Canola crops treated with TITAN Propyzamide 500SC Herbicide after heavy rain events.

COMPATIBILITY

TITAN Propyzamide 500 SC Herbicide is compatible with a range of knockdown and pre-emergent herbicides and insecticides. The following table provides some recommendations on the suitability of tank mix combinations. Physical compatibility with TITAN Propyzamide 500SC Herbicide should be determined prior to mixing with a product not listed in this table, or when mixing TITAN Propyzamide 500 SC Herbicide as a component of a 3-way tank mix. Always read the product label for the manufacturer's tank mix recommendations to determine individual product compatibility options and correct mixing orders for individual products.

If unsure, perform a jar test before proceeding to determine physical compatibility. Physical compatibility does not always guarantee biological compatibility.

| Herbicides | Compatibility recommendation |
|--|--------------------------------|
| TITAN Atrazine 900 WG | Compatible |
| TITAN Diuron 900 WG | Compatible |
| Ecopar (pyraflufen-ethyl) | Compatible |
| <i>Glyphosate present as the potassium (K) salt based products**</i> | Not recommended – incompatible |
| TITAN Glyphosate 450 | Conditional |
| Glyphosate Dry WG 680 | Compatible |
| TITAN Hermes 520 | Compatible |
| TITAN Carfentrazone 400EC | Conditional |
| MCPA products | Not recommended – incompatible |
| TITAN Oxyflurofen 240 EC | Conditional |
| TITAN Paraquat 250 | Not recommended – incompatible |
| TITAN Paraquat 360 | Not recommended – incompatible |
| TITAN Terbutylazine 875 WDG | Compatible |
| TITAN Trifluralin 480 | Not recommended – incompatible |
| Insecticides | Compatibility recommendation |
| TITAN Dimethoate 400 | Not recommended – incompatible |
| Omethoate 290 SL | Compatible |
| TITAN Alpha Duo 100 | Compatible |
| TITAN Bifenthrin 250 EC | Conditional |
| Trojan (gamma-cyhalothrin) | Compatible |
| Explanatory notes on recommendations | |
| Compatible: Products considered physically compatible with TITAN Propyzamide 500SC in a two-way mix. | |
| Conditional: Tank mixes of TITAN Propyzamide 500SC with the following product may result in nozzle or filter blockage if vigorous agitation in the spray mix unit is not maintained during the entire spray operation. | |
| Not recommended – incompatible: Tank mixes of TITAN Propyzamide 500SC with the following product is likely to form a slimy residue which can block spray nozzles and filters during application. **It is not recommended to mix TITAN Propyzamide 500SC with any products containing Glyphosate present as the potassium (K) salt . | |

Information on compatibility is understood to be correct at the time of publication, however products may vary from time to time.

CROP ROTATION RECOMMENDATIONS

TITAN Propyzamide 500SC Herbicide is predominantly broken down in the soil through microbial degradation. Microbial activity is typically favoured by moist and warm aerobic soils. Minimum recropping intervals for TITAN Propyzamide 500SC Herbicide have been recommended to minimise the risk of damage to rotational crops (see table below). However, considerable variations in environmental, edaphic and agronomic factors affecting the soil microbial activity, mean that it is not possible to absolutely eliminate all risks and potential for damage to following crops.

| Crop | Re-cropping Interval Recommendation |
|--|--|
| Cereals (Wheat, Barley, Oats and Triticale) | 9 months [^] |
| Canola, Mustard (oilseed Cultivars, <i>Brassica juncea</i>), Winter Grain Legumes (including Lentils, Lupins, Chickpeas, Faba Bean and Field Peas) | Can be sown into soil treated with TITAN Propyzamide 500SC Herbicide in a failed crop scenario, however TITAN Propyzamide 500SC Herbicide (or any other propyzamide products) should not be applied prior to sowing the replacement crop (i.e. twice in one growing season). |
| [^] Provided there has been sufficient rainfall (estimated >250mm) over summer to support microbial activity and degradation of TITAN Propyzamide 500SC Herbicide. Conditions that aren't conducive to adequate soil microbial degradation may result in extended recropping intervals. | |
| For advice on crops and situations not mentioned above, contact TITAN AG Pty Ltd. | |

RESISTANT WEEDS WARNING

TITAN Propyzamide 500SC Herbicide is a member of the amide group of herbicides with diverse sites of action. For weed resistance management this is a Group 3 herbicide. Some naturally occurring weed biotypes resistant to TITAN Propyzamide 500SC Herbicide and other amide 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 Propyzamide 500SC Herbicide or other amide 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 Propyzamide 500SC Herbicide to control the resistant weeds. Advice as to strategies and alternative treatments that can be used, should be obtained from your local supplier, consultant, local Department of Agriculture, Primary Industries Department or a 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 LIVESTOCK

DO NOT graze sheep on treated areas or feed to poultry or pigs.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

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

STORAGE AND DISPOSAL

For non-refillable containers: Store in the closed, original container in a dry, cool, well-ventilated area, out of 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 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.

For refillable containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

GROUP **3** HERBICIDE

SAFETY DIRECTIONS

May irritate the eyes. Avoid contact with eyes. When opening the container, preparing the spray and using the prepared spray, wear cotton overalls over normal clothing, buttoned to the neck and wrist and a washable hat and elbow-length chemical resistant gloves. Wash hands after use. After each day's use, wash gloves 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 Propyzamide 500SC 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: Suspected of causing cancer. Very toxic to aquatic life with long lasting effects. **Precautionary Statements:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. IF exposed or concerned: Get medical advice/attention. Collect spillage. Store locked up. Dispose of contents/container in accordance with local/regional/national regulations.

