

# TITAN TITANIUM 570 HERBICIDE

570 g/L Glyphosate present as the potassium salt, with a unique Australian developed proprietary surfactant package.

Titan Titanium 570 Herbicide is a premium, non-volatile, non-selective, water-soluble liquid herbicide for the control of annual and perennial grasses and broadleaf weeds in a wide range of agricultural and non-agricultural use situations.

## KEY FEATURES

### What makes Titan Titanium 570 Herbicide unique?

A unique, proprietary surfactant package that maximises weed leaf cuticle penetration & translocation within the weed plant tissue. The superior ethoxylate surfactant blend allows for quick uptake into the plant and fast brownout.

- ✓ Excellent Annual Ryegrass control compared to similar product - independent trials demonstrate
- ✓ Unique Australian developed proprietary surfactant package
- ✓ Fully loaded - ensures fast uptake of product and quick brownout of weeds
- ✓ No need for additional surfactant in most situations
- ✓ Manufactured to the highest standards
- ✓ High load product – less product to lift and shift
- ✓ Good compatibility profile
- ✓ Low viscosity – suitable for cold spraying conditions
- ✓ Low foaming properties and easy to pump
- ✓ Herbicide MOA Group 9 (Group M)

## AT A GLANCE

<b>USE PATTERNS:</b>	Minimum tillage, pasture topping, fallow, sugar cane, cotton – shielded sprayers, pre-harvest – cotton, wheat and pulse crops, forestry, horticulture and commercial.
<b>FORMULATION:</b>	Soluble Concentrate (SL)
<b>ACTIVE INGREDIENT:</b>	570 g/L glyphosate present as the potassium salt
<b>APPLICATION RATE:</b>	Dependant on usage situation and weed species and pressure
<b>HERBICIDE MOA GROUP:</b>	Group 9 (Group M)

## WEED SPECTRUM

**\*SEE PRODUCT LABEL FOR SPECIFIC SITUATIONS:** Non-selective herbicide for the control of many annual and perennial weeds and does not provide residual weed control.



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CROP PROTECTION

Senior Research Fellow - Roberto Busi based at University of WA, trialed Titan Titanium 570 Herbicide alongside a comparative 570 K salt product. To assess the control and biomass reduction of two Annual Ryegrass populations treated with these high-quality glyphosate formulations.

One population of Ryegrass is fully susceptible to glyphosate and the other population is described as developing resistance to glyphosate – with a 15% survival rate to 900 grams active ingredient of glyphosate/ha.

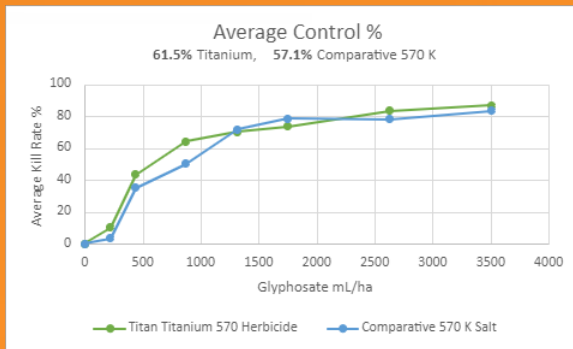
At the time of application, the Annual Ryegrass was at two leaf stage with assessments occurring 16 days after application.

The results demonstrated that both products performed well and very similar to each other, on both assessment criteria and on both Annual Ryegrass populations.

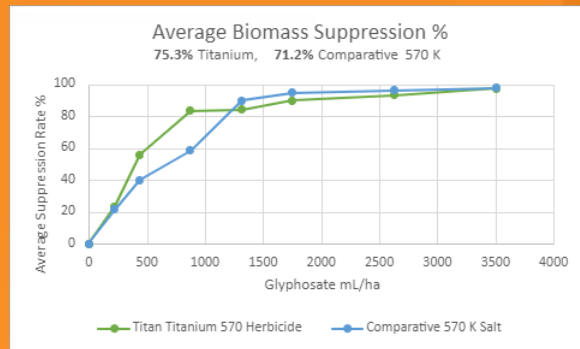
This independent trial work gives growers confidence to use Titan Titanium 570.

**The graphs below are the average results of the two population trials.**

Titan Ag Trial No - TA2022H17



Titan Ag Trial No - TA2022H17




As seen in the above graphs Titan Titanium 570 Herbicide performed very similar to a comparative 570 K salt product, in these independent trials.

## SUCCESSFUL APPLICATION

### For the best possible results with Titan Titanium 570 Herbicide:

- » DO NOT treat weeds under poor growing conditions due to moisture stress, waterlogging, severe frosting, insect damage etc
- » Reduced performance may also occur where weeds are covered with dust or silt
- » Rain within 1 hour of application which causes runoff may require re-treatment
- » Rainfastness is reduced if weeds are not actively growing, under stress or conditions of low light intensity/darkness
- » Apply treatments to weeds which have at least one true leaf (broadleaf weeds) or two leaves (grasses) to provide an adequate surface area for herbicide uptake
- » Titan AMS 980 Spray Grade or Titan AMS Liquid or Titan AMS Combine 950 products, may be mixed with Titan Titanium 570 Herbicide to improve herbicide performance under adverse environmental conditions AMS products can assist in minimising antagonism when tank mixing in water that is high in calcium, magnesium and bicarbonate ions

Check the Titan website for correct mixing order information.

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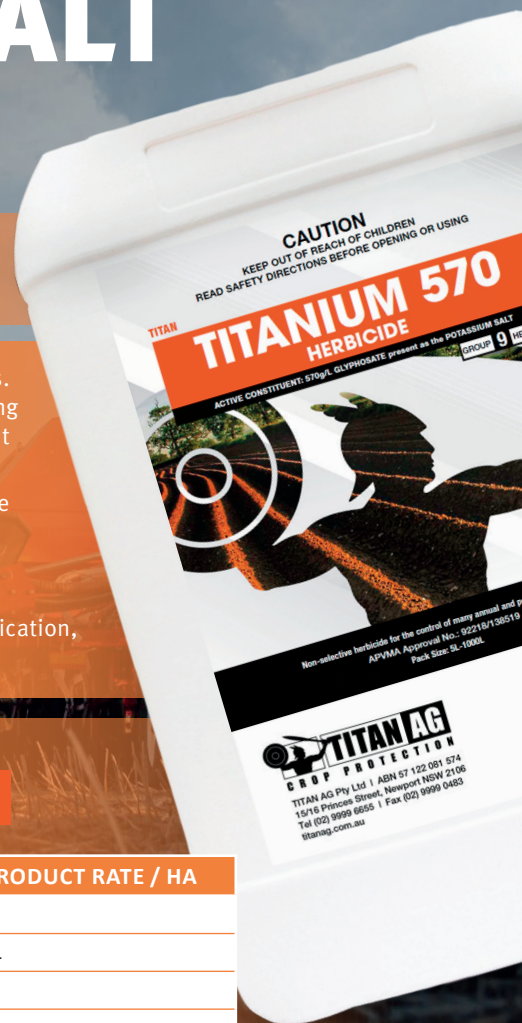
# TITAN TITANIUM 570 K SALT COMPATIBILITY

Titan Ag has recently conducted laboratory testing of TITAN Titanium 570 Herbicide to establish compatibility with a range of herbicides.

The table below provides some recommendations on the suitability of tank mix combinations. Physical compatibility with TITAN Titanium 570 Herbicide should be determined prior to mixing with a product not listed below, or when mixing TITAN Titanium 570 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.

**Please note:** This information on compatibility is understood to be correct at the time of publication, however products may vary from time to time.



## TITAN TITANIUM 570 HERBICIDE COMPATIBILITY RECOMMENDATION

COMPATIBLE	TANK-MIX PARTNER PRODUCT RATE / HA
	Boxer Gold - 2.5 L
	Nufarm Amicide Advance - 1.2 L
	Sakura 850 WG - 118 g
	Titan 700 Surfactant - 0.5%
	Titan AMS Liquid - 2%
	Titan Besuto 850 WG - 118 g
	Titan Butafenacil 200 - 1.2L + Duelling - 1.0%
	Titan Carfentrazone 400 EC - 60 mL + Duelling - 0.5%
	Titan Ester 680 - 1.5 L
	Titan Flumioxazin 500 WG - 700 g + Duelling - 1.0%
	Titan Fluroxypyr 333 EC - 300 mL + Paraffinic oil - 0.5%
	Titan Metsulfuron 600 WG - 7g
	Titan Prosulfocarb EC - 3.0 L
	Titan Treflan 480 EC - 2.0 L
Titan Treflan 480 EC - 3.0 L	
Titan Tri-allate - 1.6 L	
Titan Tri-allate - 3.2 L	
Titan Triclopyr 600 EC - 160 mL + Paraffinic oil - 0.5%	

CAUTION	TANK-MIX PARTNER PRODUCT RATE / HA
	Adama Zulu XT - 1.2 L
	Overwatch 480 SC - 1.25 L
	Sakura 480 SC - 210 mL
	Titan Amine 720 - 1.2 L
	Titan Besuto 480 SC - 210 mL
	Titan Propyzamide 500 SC - 1.0 L
Titan Propyzamide 500 SC - 2.0 L	

INCOMPATIBLE	TANK-MIX PARTNER PRODUCT RATE / HA
	Titan Fluroxypyr 400 EC - 250 mL + Paraffinic oil - 0.5%
	Titan Propyzamide 500 WG - 1.0 Kg
	Titan Propyzamide 500 WG - 2.0 Kg
Ultrro 900 WG - 2.5 Kg	


### Explanatory notes on recommendations as listed above

**Compatible:** Products considered physically compatible with TITAN Titanium 570 in a two-way mix.

**Conditional:** Tank-mixes of TITAN Titanium 570 with these products, needs constant agitation during the entire spray operation and should not be left in boom spray overnight.

**Not recommended – incompatible:** Tank-mixes of TITAN Titanium 570 with these products, are likely to form a slimy residue which can block spray nozzles and filters during application.

- All testing done at a water rate of 75 L/ha
- TITAN Titanium 570 Herbicide rate of 1.5 L/ha

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