

# Technical Information Sheet

Titus<sup>®</sup> is a sulfonylurea herbicide for broad-leaf weed control in potatoes

## Key facts

Product Registration Number:	MAPP 15050
Active Ingredient:	250 g/kg rimsulfuron
Pack size:	120 g
Formulation:	Water Dispersible Granule
Maximum Individual Dose:	50 g/ha + adjuvant
Maximum Total Dose:	50 g/ha alone, 40g/ha if used in mixture with metribuzin
Maximum Number of applications:	One per crop
Application Timing:	From February 1 <sup>st</sup> , Pre-emergence up until the crop is 25 cm high
Water Volumes:	200 L/ha
Spray Quality:	Medium as defined by BCPC
Aquatic Buffer Zone:	No buffer zone
Rainfastness:	3 hours from applications, provided good drying conditions

## Best use advice

- Titus is a contact acting sulfonyl urea that works mainly by foliar action to control a range of broad-leaved weeds and grasses in potatoes.
- Titus is readily translocated within the weed plants, inhibiting growth within hours of treatment. Although full effects may not be apparent for up to 3 weeks.
- Broad-leaved weeds are best controlled when small (cotyledon to 2 true leaves) and actively growing. Grass weeds are best controlled at the 3 leaf stage to maximise chemical loading.
- Very dry conditions and large diurnal temperature fluctuations may reduce the effectiveness of the product.
- Titus should always be used with an adjuvant at a rate of 0.1% v/v either alone or in mixture.
- Titus is safe on all varieties of potatoes, but transitory paling of the growing point of the haulm may occur.
- Apply up until the crop is 25cm high (15cm when used in mix with metribuzin).
- Titus in mixture with metribuzin should not be applied to metribuzin intolerant potato varieties (refer to metribuzin label.)
- On metribuzin tolerant varieties use Titus 40g/ha + metribuzin 0.2kg/ha + adjuvant 0.1% v/v to broaden the weed control spectrum, adding in knotgrass, fat hen and speedwells. However mixtures with metribuzin will be antagonistic in terms of cleaver control.
- Do not use on certified seed crops as transient chlorosis of the foliage may occur. This can be confused with virus symptoms, leading to rejection by seed inspectors.
- To avoid subsequent injury to other crops, all spraying equipment must be thoroughly cleaned using All Clear Extra spray cleaner.
- Do not apply Titus in sequence or tank-mixture with a product containing any other sulfonylurea.
- Following crops approved after an application of Titus<sup>®</sup> on potatoes are:
  - in the same calendar year plant winter wheat.
  - In the following spring only barley, wheat or maize should be sown
  - and in the following autumn any crop may be drilled.

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USE PLANT PROTECTION PRODUCTS SAFELY. Always read the label and product information before use.

For further information including warning phrases and symbols refer to label.

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Titus<sup>®</sup> contains rimsulfuron

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Weed Spectrum based on Titus® at 50g/ha plus adjuvant at 0.1% v/v

BROAD-LEAVED WEEDS			
Amaranthus spp	S	Radish, Wild	S
Annual Mercury	MS	Redshank *	S
Bistort (seedling)	MS	Scarlet Pimpernel	MR
Black bindweed *	MR	Shepherd's Purse	S
Black nightshade	R	Small nettle	S
Bugloss	S	Sowthistles ( seedling)	MS
Buttercup, Corn ( seedling)	S	Speedwells	R
Campion, White	MR	Spurge, Sun	MR
Charlock	S	Spurrey, Corn	MS
Chickweed	S	Tare, Smooth	S
Cleavers	S	Vetch, Common	S
Cocklebur	MS	Vol Borage	MS
Colt's-foot (seedling)	MS	Vol. Lucerne	S
Corn Chamomile	MS	Vol Oilseed Rape	S
Corn Marigold	MS	Vol sugar-beet ( seedling)	S
Cranesbill spp	MS	Vol Sunflower	S
Dandelion ( seedling)	S		
Dead-Nettles	S	GRASS WEEDS	
Docks (seedling)	MS	Blackgrass	S
Fat hen *	MR	Brome spp	S
Flixweed	S	Couch ( seedling)	S
Fluellen, Round-leaved	R	Creeping Soft-Grass	S
Fool's parsley	MS	Fescue spp	S
Forget-me-not	MS	Loose Silky Bent	S
Fumitory, Common	MS	Meadow-grass spp	S
Gallant Soldier	S	Ryegrass spp	S
Goosefoot, Fig-leaved	MS	Timothy	S
Groundsel *	S	Vol Cereals	S
Hemp-nettle	S	Wild Oats	S
Knotgrass	MR	Yorkshire Fog	S
Mayweed	S		
Mignonette, Wild	S		
Mustard, Treacle	S	Aerial shoots only ( up to 15cm high) suppressed	
Nipplewort	MS	Colt's-foot	
Orache *	MR	Couch grass ( perennial)	
Pale persicaria *	MS	Creeping thistle	
Pansy, Field	MR	Docks	
Parsley Piert	MS	Japanese Knotweed	
Penny-cress, Field	S	Mugwort	
Poppy, Common	S	Perennial sow-thistle	

Key \* Weed control improved when the tank mixture of Titus 40g/ha + metribuzin 0.2kg/ha + adjuvant 0.1%v/v is used in preference to Titus alone.

Broad-leaved weeds are best controlled when small (cotyledon to 2 true leaves) and actively growing. Grass weeds are best controlled at the 3 leaf stage. Applications for couch grass should be made between 4 leaves and 15cm high. Titus will give moderate control of common couch but the long-term effects (i.e. in successive crops) have not been investigated.