

# Technical Information Sheet

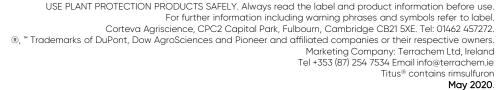
# Titus® is a sulfonylurea herbicide for broad-leaf weed control in potatoes

Product Registration Number:	PCS 03992			
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 broadleaved 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 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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# Weed Spectrum based on Titus® at 50g/ha plus adjuvant at 0.1% v/v

Amoronthus spp S Radish, Wild S   Annual Mercury MS Redshonk * S   Black bindweed * MR Shepherd's Purse S   Black nightshade R Small nettle S   Bugloss S Sowthistles (seedling) MS   Butteroup, Corn (seedling) S Speedwells R   Campion, White MR Spurge, Sun MR   Charlock S Spurge, Corn MS   Charlock S Vol Eucerne S   Cleavers S Veth, Common S   Corn Chamomile MS Vol Eucerne S   Corn Chamomile MS Vol Sugar-beet (seedling) S   Corn Chamomile MS Vol Sunflower S   Dacks (seedling) S Graxs WEEDS S   Dacks (seedling) MS Blackgrass S   Fat hen* MR Brome spp S   Fleweed S Couch (seedling) </th <th>BROAD-LEAVED WEEDS</th> <th></th> <th></th> <th></th>	BROAD-LEAVED WEEDS			
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Poppy, Common S Perennial sow-thistle	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.

