

## Safety Information

### Titus

Contains rimsulfuron. May produce an allergic reaction.



### WARNING

#### Very toxic to aquatic life with long lasting effects

Avoid release to the environment.

Collect spillage.

Dispose of contents / container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty clean containers which can be disposed of as non-hazardous waste.

**To avoid risks to human health and the environment, comply with the instructions for use**

**PCS No. 03992**

296434 2508 - IRELAND



# **Titus®**

**HERBICIDE**

TM ® Trademarks of Corteva Agriscience and its affiliated companies.

**GROUP 2 HERBICIDE**

**PCS No. 03992**

A water dispersible granule formulation containing 250 g/kg rimsulfuron, a sulfonylurea, for the control of certain broad-leaved weeds in potatoes and forage and grain maize.

**NET CONTENTS : 120 G e**



**SAFETY PRECAUTIONS** Operator protection WASH HANDS AND EXPOSED SKIN before meals and after work. **Environmental Protection** DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container. Do not contaminate water with the product or its container (Do not clean application equipment near surface water / Avoid contamination via drains from farmyards and roads). **Storage and disposal** KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. EMPTY CONTAINER COMPLETELY and dispose of safely. KEEP OUT OF REACH OF CHILDREN.

**Authorisation Holder:** Corteva Agriscience UK Limited  
Unit H4, Building H, Melbourn Science Park, Cambridge Road, Melbourn, Cambridgeshire, SG8 6HB, UK.

Email: [ukhotline@corteva.com](mailto:ukhotline@corteva.com)

**24 hour Emergency Tel:** +353 76 680 5288

National Poisons information tel: 01 809 2166

**READ DIRECTIONS FOR USE ON INNER PAGES  
FOR PROFESSIONAL USE ONLY**

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## IMPORTANT INFORMATION

### FOR USE ONLY AS A PROFESSIONAL HERBICIDE

**Crops:**

Ware Potatoes and forage and grain maize

**Maximum single dose:**

50 g/ha

**Maximum number of applications:**

One per crop

**Maximum total dose:**

50 g/ha

**Latest time of application:**

Ware Potatoes: before most advanced plants are 25cm high

Forage and grain maize: before 4-collar fully emerged stage

**Method of application:**

Tractor mounted / trailedd sprayer

**Other specific restrictions:**

This product may only be applied from 1<sup>st</sup> February in the year of harvest until the specified latest time of application.

To avoid the build-up of resistance do not apply this or any other product containing an ALS inhibitor herbicide with claims for control of grass-weeds more than once to any crop.

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

# DIRECTIONS FOR USE

**IMPORTANT:** This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

## Restrictions

- TITUS must not be applied to any crop suffering from stress as a result of drought, water-logging, low temperatures, pest or disease attack, nutrient or lime deficiency or other factors reducing crop growth.
- Due to the high level of activity of the herbicide, special care must be taken to avoid damage by drift onto plants outside the target area, or onto surface waters or ditches. Thorough cleansing of equipment is also very important - see below.
- Do not apply to potatoes grown for certified seed.
- Before using TITUS on crops grown for processing, consult processor
- Further cultivation or ridging following application should be avoided.

- Do not apply TITUS to forage or grain maize treated with organophosphate (OP) insecticides.
- Do not apply TITUS on forage or grain maize undersown with grass or clover.

## Weed Control

TITUS works mainly by foliar action. When tank-mixed with a suitable adjuvant or herbicide partner, it controls a range of broad-leaved weeds and gives suppression of Common Scutch top growth. It is most effective when applied to small actively growing weeds. Susceptible weeds cease growth almost immediately after application and symptoms can be seen within about ten days. Weed control may be reduced when soil conditions are very dry.

## **Susceptible Weeds**

The susceptibility ratings of weeds in the following tables refer to good spray cover and good growing conditions.

Weed Species	TITUS 50g/ha + adjuvant 0.1% v/v	
	Cot - 2 leaf	2 - 6 leaf
Black-Bindweed	MS	MR
Black Nightshade	MS	R
Charlock*	S	S
Cleavers	S	S
Common Chickweed	S	S
Fat-hen	MR	MR
Hemp nettle	S	S
Knotgrass	MS	R
Pale Persicaria	MS	MR
Redshank	S	MS
Red Dead Nettle	S	S
Scentless Mayweed	S	S
Small Nettle	S	S
Volunteer Oilseed Rape*	S	S

S = Susceptible MS = Moderately Susceptible

MR = Moderately Resistant R = Resistant

\*A rate of 30g/ha + adjuvant is sufficient to control charlock and volunteer oilseed rape.

When applied for the control of broad-leaved weeds, TITUS will give suppression of Common Scutch top growth.

## **Weed resistance**

This product contains rimsulfuron, which is an ALS inhibitor, also classified by the Herbicide Resistance Action Committee (HRAC) as 'Group 2'. A strategy for preventing and managing resistance should be adopted. Further details and advice on how to implement such a strategy may be obtained from your crop advisor or chemical supplier. HRAC also produces guidelines which may be consulted for additional information.

When herbicides with the same mode of action are used repeatedly over several years in the same field, selection of resistant biotypes can take

place. These can propagate and may become dominating. A weed species is considered resistant to a herbicide if it survives a correctly applied treatment at the recommended dose. Development of resistance within a weed species can be avoided or delayed by alternating (or tank-mixing) with suitable products having a different mode of action.

## **Soil**

TITUS can be used on all soils and is unaffected by high organic matter.

## **Weather**

Avoid high light intensity (full sunlight) and high temperatures (above 21°C) on the day of spraying. Avoid periods of substantial day to night temperature changes or when frost is expected. Very dry conditions may reduce the effectiveness of the product.

## **Volume and application**

When applying TITUS, care should be taken not to overlap spray swaths. Apply in 200 litres of water per hectare, using suitable equipment to give good spray cover. The spray quality should be MEDIUM (as defined by BCPC), applied at a pressure of 2 - 3 bar.

## **Following crops**

Only winter wheat should be drilled in the same calendar year as a crop treated with TITUS. Only barley, wheat or maize should be sown in the spring of the year following treatment. In the second autumn following treatment, any crop may be drilled.

## **Mixing**

Before using TITUS, make sure that the spraying equipment is clean and free from contamination with other pesticides.

TITUS mixes easily with water, but the following mixing procedure should be followed: Quarter fill the spray tank with water, start the agitation and add the required quantity of TITUS directly to the tank without prior creaming. Continue agitation while topping up the tank and while spraying. Do not leave the sprayer standing without agitation with chemical in it.

### **Compatibility**

- In any tank-mix, add TITUS to the tank first and ensure it is fully dispersed before adding the partner product. Products should only be tank-mixed if each product can be applied within the label recommendations for its use.

- Do not apply TITUS in sequence or in tank-mixture with a product containing any other sulfonylurea.
- For details on compatibilities contact your distributor or Corteva technical hotline on +44 (0) 800 689 8899 or [ukhotline@corteva.com](mailto:ukhotline@corteva.com)

### **WARE POTATOES**

#### **Crop safety**

TITUS may cause transient chlorosis and/or crop stunting from which the crop usually recovers. TITUS must not be used on potatoes grown for seed.

#### **Timing**

TITUS must be applied in the spring pre-emergence of the crop up until the crop is 25 cm high.

## Dose

Apply TITUS at 50g product/ha plus a non-ionic wetter or adjuvant at 0.1% v/v.

## FORAGE AND GRAIN MAIZE

### Crop safety

Please consult your distributor for the latest list of varieties that TITUS can be applied to.

TITUS may cause transient chlorosis and/or crop stunting from which the crop usually recovers. Do not apply TITUS to forage or grain maize treated with organophosphate (OP) insecticides.

### Timing

TITUS must be applied in the spring post- emergence up to the 4-collar stage of the forage or grain maize.

## Dose

Apply TITUS at 50g product/ha plus a non-ionic wetter or adjuvant at 0.1% v/v.

## WARNING

**EXTREME CARE SHOULD BE TAKEN TO AVOID DAMAGE BY DRIFT ONTO PLANTS OUTSIDE THE TARGET AREA OR ONTO SURFACE WATERS OR DITCHES OR LAND INTENDED FOR CROPPING.** SPRAYING EQUIPMENT SHOULD NOT BE DRAINED OR FLUSHED ONTO LAND PLANTED WITH OR INTENDED FOR PLANTING WITH TREES OR CROPS OTHER THAN POTATOES OR FORAGE OR GRAIN MAIZE.

## SPRAY TANK CLEAN-OUT

TO AVOID SUBSEQUENT DAMAGE TO CROPS OTHER THAN POTATOES OR FORAGE MAIZE IMMEDIATELY AFTER SPRAYING TITUS THOROUGHLY CLEAN ALL SPRAY EQUIPMENT INCLUDING INSIDE

AND OUTSIDE OF LID USING ALL CLEAR™ EXTRA SPRAYER CLEANER ACCORDING TO THE FOLLOWING LABEL INSTRUCTIONS:

1. Immediately after spraying, drain tank completely. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
2. Rinse inside of tank with clean water and flush through boom and hoses using at least one-tenth of the spray tank volume. Drain tank completely.
3. Half fill tank with clean water and add ALL CLEAR EXTRA at the recommended rate. Agitate and then flush the boom and hoses with the cleaning solution. Top up with water making sure the tank is completely full and allow to stand for 15 minutes with agitation. Again flush the boom and hoses and drain tank completely.
4. Nozzles and filters should be removed and cleaned separately with an ALL CLEAR EXTRA solution containing 50 ml of ALL CLEAR EXTRA per 10 litres of water.

5. Rinse the tank with clean water and flush through the boom and hoses using at least one-tenth of the spray tank volume. Drain tank completely.
6. Dispose of washings safely. Do not spray onto sensitive crop or land intended for cropping with sensitive crops.

**NOTE:** If it is not possible to drain the tank completely, step 3 must be repeated before going on to step 4.

## **TRADEMARK ACKNOWLEDGEMENTS**

TITUS is a trademark of Corteva Agriscience and its affiliated companies. All other brand names are trademarks of other manufacturers for which proprietary rights may exist.

## **Corteva Agriscience Conditions of Supply**

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during or after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded. No responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

**To access the Safety Data Sheet for this product scan the QR code or use the weblink below:**



<https://www.corteva.ie/content/dam/dpagco/corteva/eu/ie/en/files/sds/TITUS-IRL-SDS.pdf>

Alternatively contact your supplier.

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