

**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 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**



**288908 2406 - UNITED KINGDOM**

**Titus<sup>®</sup>****HERBICIDE**

<sup>TM</sup> ® Trademarks of Corteva Agriscience and its affiliated companies.

**GROUP 2 HERBICIDE****PRODUCT REGISTRATION NUMBER: MAPP No. 20363**

A water dispersible granule formulation containing 250 g/kg rimsulfuron.

A sulfonylurea, for the control of certain broad-leaved weeds in potatoes and forage maize.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

**Authorisation Holder:**

**Corteva Agriscience UK Limited**

Unit H4, Building H, Melbourn Science Park,  
Cambridge Road, Melbourn, SG8 6HB

For Technical Enquiries Call: +44 (0)800 6898899 or  
email: [ukhotline@corteva.com](mailto:ukhotline@corteva.com)

**24 Hour Emergency Telephone Number: 0161 884 1235**

National Poisons Information service: 111

This label is compliant with the CPA  
Voluntary Initiative Guidance

**FOR PROFESSIONAL USE ONLY  
SHAKE WELL BEFORE USE  
PROTECT FROM FROST**

Batch Nr:



**NET CONTENTS: 120 G e**

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## IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

<b>Crops:</b>	Potatoes and forage maize
<b>Maximum individual dose:</b>	50 g/ha
<b>Maximum number of applications:</b>	One per crop
<b>Latest time of application:</b>	Potatoes: before most advanced plants are 25 cm high Forage maize: before 4-collar fully emerged stage

### 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. This product must be applied with 'Vivolt' at 0.1% v/v.

**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.**

## SAFETY PRECAUTIONS

### OPERATOR PROTECTION

WASH CONCENTRATE from skin or eyes immediately.

**DO NOT BREATHE SPRAY.**

WASH HANDS AND EXPOSED SKIN before meals and after work.

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

**WEAR SUITABLE PROTECTIVE GLOVES** when handling the concentrate.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

### ENVIRONMENTAL PROTECTION

**EXTREMELY DANGEROUS TO FISH OR OTHER AQUATIC LIFE.** Do not contaminate surface waters or ditches with chemical or used container. (Do not clean application equipment near surface water / Avoid contamination via drains from farmyards and roads).

Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

## **STORAGE AND DISPOSAL**

KEEP OUT OF REACH OF CHILDREN.

DO NOT RE-USE CONTAINER for any purpose.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

EMPTY CONTAINER COMPLETELY and dispose of safely.

## **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 maize treated with organophosphate (OP) insecticides.
- Do not apply TITUS on forage 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 a moderate level of control of Common Couch. 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 50 g/ha + Vivolt 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 30 g/ha + Vivolt 0.1%v/v is sufficient to control charlock and volunteer oilseed rape.

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

### ***Weed resistance***

This product contains rimsulfuron, which is an ALS inhibitor, also classified by the Herbicide Resistance Action Committee as 'Group 2'. Use only as part of a resistance management strategy that includes cultural methods of control and does not use ALS inhibitors as the sole chemical method of grass-weed control.

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

Half fill the spray tank with clean water and start the agitation.

Pour in the required amount of TITUS.

Rinse any empty containers thoroughly and add rinsings to the spray tank.

Where tank mixes are used, and unless directed otherwise, the preferred order of addition of products to the spray tank is as follows: water dispersible granules, wettable powders, suspension concentrates (flowables), emulsifiable concentrates, solution concentrates. Each product should be added separately to the half-full sprayer and be fully dispersed before the addition of the next product.

Add the remainder of the water.

Finally, add the required amount of Vivolt and continue agitation.

Maintain agitation until spraying is completed.

Spray solution MUST be used on the day of mixing and must NOT be left overnight.

Follow manufacturer recommendations regarding correct use of the induction bowl.

## Compatibility

- TITUS is compatible with metribuzin (eg Shotput (M15968)) on potatoes. Metribuzin mixtures should not be applied to metribuzin intolerant varieties (refer to metribuzin label).

- 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)

## 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 Vivolt at 0.1% v/v.

## FORAGE MAIZE

### Crop safety

TITUS can be applied to the following varieties. Please contact your distributor for details on other varieties.

Andrea	Diamante	Facet	Folio	LG2080 (Alarik)
LG2246 (Levis)	Melody	Rival	Sonia	Trophee

TITUS may cause transient chlorosis and/or crop stunting from which the crop usually recovers. Do not apply TITUS to forage 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 maize.

## Dose

Apply TITUS at 50g product/ha plus Vivolt 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 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 follow the 'Code of Practice for Using Plant Protection Products' (DEFRA Publications, 2006). 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.



## COMPANY ADVISORY INFORMATION

The following information does not form part of the product label under the UK plant protection products regulations and provides additional advice on product use at the discretion of Corteva Agriscience.

## 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. For further information please contact Corteva Agriscience.

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



<https://www.corteva.co.uk/content/dam/dpagco/corteva/eu/gb/en/files/sds/TITUS-SDS.pdf>

Alternatively contact your supplier

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