

# CLAYTON DUNDEE

## MAPP 20976

A water dispersible granule formulation containing 250 g/kg rimsulfuron, a sulfonyleurea, 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

### CLAYTON DUNDEE



#### WARNING

**Very toxic to aquatic life with long lasting effects.**

Collect spillage.

Dispose of contents/container to hazardous or special waste collection site except for empty containers which can be disposed of as hazardous waste.

Do not contaminate water with this product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

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

### FOR PROFESSIONAL USE ONLY

<p><b>Authorisation Holder</b> <b>Clayton Plant Protection Ltd.,</b> <b>Unit F10, Bracetown Business Park</b> <b>Clonee, Co. Meath. Ireland</b> Tel: (00 353) 1 8210127. <a href="http://www.claytonpp.com">www.claytonpp.com</a> Email: <a href="mailto:info@claytonpp.com">info@claytonpp.com</a></p> <p><b>Marketing company in UK</b> <b>Clayton Plant Protection (UK) Ltd.</b> Address and telephone as above.</p>	<p><b>Net Contents:</b> 120 gr</p> <p><b>UN</b></p> <p><b>Batch no:</b></p>
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#### 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.

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

<b>IMPORTANT INFORMATION : FOR USE ONLY AS A PROFESSIONAL HERBICIDE</b>			
<b>Crops/situations</b>	<b>Maximum individual dose (g product/ha)</b>	<b>Maximum number of applications (per crop)</b>	<b>Latest time of application</b>
Potato	50	1	Before most advanced plants are 25cm high
Forage maize	50	1	Before 4-collar fully emerged stage

**Other Specific Restrictions**  
This product may only be applied from 1st February in the year of harvest until the specified latest time of application.  
This product must be applied with 'Vivolt' at 0.1% v/v.  
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 grassweeds 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

- CLAYTON DUNDEE must not be applied to any crop suffering from stress as a result of drought, waterlogging, 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 CLAYTON DUNDEE on crops grown for processing, consult processor • Further cultivation or ridging following application should be avoided.
- Do not apply CLAYTON DUNDEE on forage maize undersown with grass or clover.

### 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.

### SOIL

CLAYTON DUNDEE can be used on all soil types.

### VOLUME AND APPLICATION

Apply in 200 litres of water per hectare, using suitable equipment to give good spray cover of the weeds. Care should be taken not to overlap spray swaths.

## MIXING AND SPRAYING

Before using make sure that the spraying equipment is clean. CLAYTON DUNDEE 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 CLAYTON DUNDEE directly to the tank without prior creaming.

Do not leave the sprayer standing without agitation with chemical in it

## WEED CONTROL

CLAYTON DUNDEE works mainly by foliar action. When tank-mixed with 'Vivolt' 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 table refer to good spray cover and good growing conditions.

Weed Species	CLAYTON DUNDEE 50 g/ha + 'Vivolt' (0.1% v/v)	
	Cotyledon-2 leaf	2 – 6 leaf
Black bindweed	MS	MR
Black nightshade	MS	R
Charlock*	S	S
Cleavers	S	S
Chickweed, Common	S	S
Fat hen	MR	MR
Hemp-nettle, Common	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.

## Weed Resistance

This product contains rimsulfuron which is an ALS inhibitor, also classified by the Herbicide Resistance Action Committee as 'Group 2 (formerly Group B)'. Use only as part of a resistance management strategy that includes methods of control that 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 sequencing or tankmixing with suitable products having a different mode of action.

A strategy for preventing and managing resistance should be adopted. The Weed Resistance Action Groups have produced guidelines and copies are available from the ADHB, CPA, your distributor, crop adviser or product manufacturer.

## COMPATIBILITY

To widen the spectrum of activity and improve the control of some weeds, CLAYTON DUNDEE may be applied with other herbicides, provided each product can be applied within the label recommendations for its use.

When using in a tank-mix, always add CLAYTON DUNDEE to the spray tank first and ensure it is fully dispersed before adding the partner product.

Do not apply CLAYTON DUNDEE in sequence or tank-mixture with a product containing any other sulfonylurea.

## CROPS Potato

Apply CLAYTON DUNDEE at 50 g product/ha plus 'Vivolt' (0.1% v/v). Transient chlorosis and/or stunting may occur. Do not use on seed crops.

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

## Forage maize

Apply CLAYTON DUNDEE at 50 g product/ha plus 'Vivolt' (0.1% v/v)

CLAYTON DUNDEE can be applied to the following varieties. Please consult your distributor for details on other varieties. Transient chlorosis and/or stunting may occur. Please consult your distributor for details on other varieties

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

CLAYTON DUNDEE must be applied in the spring post-emergence up to the 4-collar stage of the crop.

## FOLLOWING CROPS

Only winter wheat should be drilled in the same calendar year as a crop treated with CLAYTON DUNDEE. 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 sown.

## WARNINGS EXTREME CARE SHOULD BE TAKEN TO AVOID DAMAGE BY DRIFT ONTO BROADLEAVED 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 MAIZE, IMMEDIATELY AFTER SPRAYING CLAYTON DUNDEE THOROUGHLY CLEAN ALL SPRAY EQUIPMENT, INCLUDING INSIDE AND OUTSIDE OF LID, USING THE FOLLOWING PROCEDURE:

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 the 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 ALL CLEAR® EXTRA per 10 litres 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 following the 'code of Practice for Using Plant Protection Products' (DEFRA). Do not spray onto sensitive crop or land intended for cropping with sensitive crops.

NOTE: If it is not possible to drain 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 Clayton Plant Protection LTD

### **NOTICE TO BUYER**

All goods supplied by us are of a high grade and we believe them to be suitable for any purpose for which we expressly supply them, but as we cannot exercise control over their mixing or use, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use.

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