

## CLAYTON RS200

A soluble granule formulation containing 200 g/kg metsulfuron-methyl, a sulfonylurea, for spring weed control in wheat, oats, barley, triticale and linseed, and for use on green cover on land temporarily removed from production e.g. set-aside. **MAPP 20564**

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

**CLAYTON RS200 : contains metsulfuron-methyl.**



**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

**Approval Holder :-**

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**Marketing company in UK.**

Clayton Plant Protection UK Ltd.

Contact details as above.

**SHAKE THOROUGHLY BEFORE USE**

**Contents: 60 -500 g e**

**PROTECT FROM FROST**

**Store above 5C.**

**Batch No:**

**UN 3077**

### SAFETY PRECAUTIONS Operator protection

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

Operators must wear suitable protective clothing (coveralls), suitable protective gloves and face protection (faceshield) 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

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

Do NOT CONTAMINATE SURFACE WATERS OR DITCHES with the product or its container. (Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads).

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing water body, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.



**Storage and disposal**

This material and container must be disposed 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>
Barley, oats, triticale, wheat	30	1	No later than BBCH 39
Linseed	30	1	No later than BBCH 39
Green cover on land not being used for crop production	30	1	Before 1 August in year of application

**Other Specific Restrictions**  
 This product must only be applied in the year of harvest after 15th March (winter cereals), or after 1st April (spring cereals, linseed and setaside) until the specified latest time of application.  
 Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.  
 CLAYTON RS200 must only be applied to green cover on land temporarily removed from production where a full green cover is established.  
 Treated green cover on land temporarily removed from production must not be grazed by livestock or harvested for human consumption or used for animal bedding. CLAYTON RS200 must only be applied to green cover on land temporarily removed from production where the cover crop is predominantly (i.e. sufficient to maintain reasonable cover) grassland, wheat, barley, oats or triticale.

**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 RS200, alone or in tank-mix, 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.
- Do not use on cereal crops undersown with grasses, clover or other legumes or any other broadleaved crop.
- When using tank-mixtures take care not to overlap spray swaths.
- Do not use in tank-mix on oats, triticale and linseed. On Linseed allow at least 7 days between CLAYTON RS200 and other treatments (10 days if crop is growing poorly or under stress).
- CLAYTON RS200 should not be applied within 7 days of rolling any crop.
- Contract agents should be consulted before using on crops grown for seed.
- Due to the high level of activity of the herbicide, special care must be taken to avoid damage by drift onto broad-leaved plants outside the target area, or onto ponds, waterways or ditches. Thorough cleansing of equipment is also very important - see 'Spray-tank cleanout'
- Crop Failure - In the event of crop failure for any reason, sow only wheat within 3 months of the application of CLAYTON RS200.
- Refer to 'compatibility' section for details on the use of CLAYTON RS200 with other 'ALS inhibiting' herbicides.

**SOIL**

CLAYTON RS200 can be used on all soil types.

**VOLUME AND APPLICATION**

Apply in 150 - 400 litres of water per hectare, using suitable equipment to give good spray cover of the weeds. The higher volume is recommended when crops are thick or weed growth dense. Care should be taken not to overlap spray swaths.

**MIXING AND SPRAYING**

Before using make sure that the spraying equipment is clean.

CLAYTON RS200 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 directly to the tank without prior creaming. Continue agitation while topping up the tank and while spraying.

**WEED CONTROL**

CLAYTON RS200 is a highly active herbicide with foliar and root activity against a wide range of broadleaved weeds. It is most effective when applied to small actively growing weeds. As larger weeds often become less susceptible, it is important to note the size of each weed species at the time of application. Good spray cover of the weeds must be obtained. Weed control may be reduced when soil conditions are very dry. Nevertheless, with adequate soil moisture, susceptible weeds germinating soon after treatment will be controlled.

**Weed Resistance**

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 HGCA, CPA, your distributor, crop adviser or product manufacturer.

**Susceptible Weeds**

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

Weed Species	Plants up to 2 expanded true leaves *	Plants up to 6 expanded true leaves *	Plants up to 15 cm across/high *
Black-bindweed	MS	MS	-
Charlock	S	S	S
Chickweed, Common	S	S	S
Cranes-Bill, Dove's Foot	S	S	-
Dead-nettle, Red	S	S	MS
Docks	S	S	S
Fat-hen	S	R	R
Field-speedwell, Common	S	S	MS
Forget-me-not, Field	S	MS	MS
Fool's Parsley	S	S	MS
Hemp-nettle, Common	S	S	S
Knotgrass	S	MS	MS
Mayweeds	S	S	S
Nettle, Small	S	S	-
Pale Persicaria	S	S	S
Pansy, Field	S	MS	MS
Parsley-piert	S	S	S
Poppy, Common	S	S	MS

Redshank	S	S	S
Shepherd's-purse	S	S	S
Sowthistle, Smooth	S	-	-
Volunteer Rape	S	S	-
Volunteer Sugar Beet	S	S	S

\*S = Susceptible, MS = Moderately susceptible, MR = Moderately Resistant, R = Resistant

Charlock, Common Chickweed, Red Dead-nettle, Mayweeds, Shepherd's-purse and Volunteer Rape will all be controlled by a dose of 25 g/ha at the timings listed above.

## COMPATIBILITY

To widen the spectrum of activity and improve the control of some weeds, CLAYTON RS200 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 RS200 to the spray tank first.

The following 'joint application' with other sulfonylurea and 'ALS inhibiting' herbicides may be applied to a crop. Requirements and restrictions on other product labels must be adhered to. 'Joint application' is the use of CLAYTON RS200 in tank mixture or sequence with one of the products listed below. Additional recommendations may be approved since label printing. Please consult your distributor for latest details on compatibilities.

Florasulam MAPP 13284, 19536

Florasulam + Pyroxsulam MAPP 18273

Clopyralid + Florasulam + Fluroxypyr MAPP 19179, 18952

Florasulam + Fluroxypyr MAPP 10878, 12836, 15101, 10921, 13772

Iodosulfuron-methyl- sodium + mesosulfuron-methyl MAPP 16190, 16216

Diflufenican + Iodosulfuron-methyl- sodium + mesosulfuron-methyl MAPP 16149

## CROPS Cereals

CLAYTON RS200 can be used on all winter and spring varieties of wheat, oats, barley and triticale.

CLAYTON RS200 must only be applied from 15<sup>th</sup> Mqrch (winter cereals), or after 1<sup>st</sup> April (spring cereals, linseed and set-aside) provided the crop has at least two leaves (wheat, oats and triticale) or three leaves (barley), until before the flag leaf extending stage. Apply at 30 g/ha when used alone or in tank-mix with other herbicides

Only cereals, oilseed rape, field beans or grass may be sown in the same calendar year to succeed a cereal crop treated with CLAYTON RS200

### Linseed

CLAYTON RS200 should be applied to actively growing linseed (all varieties) from the growth stage "first pair of true leaves unfolded", up to 30 cm high or before flower buds visible, whichever comes first. Most annual weeds are best controlled by the earliest application possible.

Apply at 30 g/ha.

Only cereals should be planted within 16 months of applying CLAYTON RS200 to a linseed crop. In the event of crop failure for any reason, sow only wheat within 3 months of the application of CLAYTON RS200.

### Green cover on land temporarily removed from production (set-aside)

CLAYTON RS200 may be applied to areas temporarily removed from production where the green cover is made up predominantly (i.e. sufficient to maintain reasonable cover) of grassland, wheat, barley, oats or triticale. Where established grass species are the main cover crop, some discoloration and stunting may occur. CLAYTON RS200 is selective to seedling cereals from the three-leaf stage (GS 13) but should not be used on seedling grasses.

Apply at 30 g/ha before 1 August in year of application. Only one application of a sulfonylurea-containing product must be made per calendar year to green cover on land temporarily removed from production.

Sow only cereals within 16 months of applying CLAYTON RS200 on green cover on land temporarily removed from production e.g. set-aside.

**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 CEREALS.

POOR CLEANOUT PRACTICES AND INSUFFICIENT WATER VOLUMES USED FOR THE RINSE PROCEDURE MAY RESULT IN INADEQUATE REMOVAL OF PRODUCT DEPOSITS.

SUBSEQUENT USE OF APPLICATION EQUIPMENT IN THESE CIRCUMSTANCES MAY RESULT IN DAMAGE TO NON-CEREAL CROPS.

**SPRAY TANK CLEAN-OUT**

TO AVOID SUBSEQUENT DAMAGE TO CROPS OTHER THAN CEREALS, IMMEDIATELY AFTER SPRAYING CLAYTON RS200 THOROUGHLY CLEAN ALL SPRAY EQUIPMENT, INCLUDING INSIDE AND OUTSIDE OF LID, USING THE FOLLOWING PROCEDURE:

Always start with a clean tank and spray system. Clean spray equipment thoroughly immediately after use.

1. Thoroughly and completely rinse all interior tank surfaces (including lid) with water (use at least 10% of the tank capacity), taking care to remove any visible deposits. Flush pump, filters and boom after removing in-line strainers, nozzle tips and screens (clean these parts separately). Drain the remainder of the rinsate from the tank.

2. Repeat the rinse, flush and drain.

Consult label tank clean-up procedures for all tank mix partners and be sure to use the most rigorous procedure recommended.

**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.