

## Dose

Apply **CLAYTON PARAGON** at 70 g/ha on winter wheat and 60 g/ha on spring wheat and spring barley when used alone or in tank-mix with other herbicides.

## Replacement crops

In case of crop failure within 3 months from the application of **CLAYTON PARAGON**, sow only wheat.

Before sowing, soil should be ploughed and cultivated to a depth of at least 15cm

## Following Crops

Only cereals, oilseed rape, field beans or grass may be sown in the same calendar year to succeed a cereal crop treated with **CLAYTON PARAGON**. Where joint application with other sulfonyl urea and 'ALS-inhibiting' herbicides is required, recommendations in the compatibility sections of both products must be followed. Take advice from your supplier or advisor.

## WARNINGS

EXTREME CARE SHOULD BE TAKEN TO AVOID DAMAGE BY DRIFT ONTO BROAD-LEAVED 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 PARAGON** THOROUGHLY CLEAN ALL SPRAY EQUIPMENT, INCLUDING INSIDE AND OUTSIDE OF LID, USING A PROPRIETARY SPRAYER CLEANER FOR USE WITH SULFONYL UREAS ACCORDING TO THE FOLLOWING PROCEDURE:

1. Immediately after spraying, drain tank completely. Wash any contamination off the outside of the sprayer with clean water.
2. Rinse the inside of the tank with clean water and flush at least one tenth of the spray tank volume through the boom and hoses. Drain tank completely.
3. Half-fill the tank with clean water and add the correct quantity of a proprietary sprayer cleaner for use with sulfonyl ureas. Agitate and then flush the boom and hoses with the solution. Top up completely with water and allow to stand for 15 minutes with agitation. Again flush the booms and hoses and drain tank completely (if it is not possible to drain the tank completely, repeat step 3 before going on).
4. Remove nozzles and filters and soak in a bucket containing a proprietary sprayer cleaner for use with sulfonyl ureas at the same concentration as that used for the sprayer.
5. Rinse tank again with clean water and flush at least one tenth of the tank volume through the booms and hoses. Drain tank completely.

## GENERAL NOTES

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

For disposal of washings, follow the Code of Practice for the Safe use of Pesticides on Farms and Holdings.

Do not spray onto sensitive crops or land intended for cropping with a sensitive crop.

## CONDITIONS OF SUPPLY

All goods supplied by us are of high quality and we believe them to be correct but, as we cannot exercise control over their storage, handling, mixing or use, or weather conditions before, during and 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, and no responsibility will be accepted by us or resellers 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.

# PARAGON

A water dispersible granule formulation containing 68 g/kg metsulfuron-methyl and 682 g/kg thifensulfuron-methyl, sulfonylureas

**For spring weed control on all varieties of winter wheat, spring wheat & spring barley** For professional use only

**300g e**

### WARNING



**VERY TOXIC TO AQUATIC LIFE WITH LONG-LASTING EFFECTS.**

Avoid release into the environment. Collect spillage.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty 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 06390**

### IMPORTANT INFORMATION - FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops	Maximum individual dose	Maximum number of treatments	Latest time of application
Winter wheat,	70g/ha	1 per crop	Before flag leaf
and spring barley	60g/ha	1 per crop	sheath extending stage (GS39)

**Other specific restrictions:** This product must only be applied from 1st February in the year of harvest until the specified latest time of application.

**Method of use:** Tractor mounted/trailed sprayer only.

**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.**

**In the event of emergency, call the National Poisons Information Centre, Beaumont Hospital at 01 809 2166 or 01 837 9964**

**STORE IN A COOL DRY PLACE PROTECT FROM FROST**

CLAYTON PLANT PROTECTION  
Approved Holder:  
Clayton Plant Protection Ltd  
Breastown Business Park, Clonsilla, Dublin 15, Ireland  
info@claytonpp.com, tel: (00 353) 1 821 0117  
www.claytonpp.com

SPECIMEN  
2020 to date

## SAFETY PRECAUTIONS

### Operator protection

Wash hands and exposed skin before eating and drinking, smoking and after work. Do not breathe spray.

### Environmental protection

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

Aim spray away from water. To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.

Use appropriate containment to avoid environmental contamination.

### Storage and disposal

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

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

DISPOSE OF SAFELY.

KEEP OUT OF REACH OF CHILDREN.

Keep away from food, drink and animal feeding stuffs.

If swallowed, seek medical advice and show this container or label.

This material and its container must be disposed of in a safe way.

## DIRECTIONS FOR USE

**IMPORTANT: This leaflet is approved as part of the label. All instructions on this leaflet and on the label should be read carefully in order to obtain successful results from the use of this product.**

### RESTRICTIONS

Do not apply **CLAYTON PARAGON** more than once to any cereal. **CLAYTON PARAGON**, alone or in tank-mix, must not be applied to any crop suffering from stress because of drought, waterlogging, low temperatures, pest or disease attack, nutrient or lime deficiency or other factors reducing crop growth.

Do not use **CLAYTON PARAGON** on cereal crops undersown with grasses, clover or other legumes or any other broadleaved crop.

**CLAYTON PARAGON** should not be applied within 7 days of rolling any crop. 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. Consult your contract agents before using on crops grown for seed.

### Weed Control

**CLAYTON PARAGON** is a highly active herbicide against a wide range of broad-leaved 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.

## Susceptible Weeds

Weeds species	Plants up to 2 expanded leaves	Plants up to 6 expanded leaves	Plants up to 15cm across/high
Black bindweed	S	S	MS
Charlock	S	S	S
Chickweed common	S	S	S
Cleavers **	MS	MS	MS
Dead-nettle Red	S	S	S
Fat-hen	S	S	MS
Field speedwell common	S	S	MS
Forget-me-not Field	S	MS	MS
Hempnettle common	S	S	S
Knotgrass	S	S	MS
Mayweeds	S	S	S
Pansy Field	S	MS	MS
Parsley-piert	S	S	S
Poppy Common	S	S	S
Redshank	S	S	S
Shepherd's Purse	S	S	S
Vol oilseed rape	S	S	-

S=Susceptible MS=Moderately Susceptible R=Resistant

\*\* Cleavers are moderately susceptible to **CLAYTON PARAGON**, but regrowth can occur. Should over-spraying be necessary, do not use another sulfonylurea product for this purpose.

### Weed Resistance

This product contains the sulfonylurea ethyl and metsulfuron-methyl, which are ALS inhibitors, also classified by the Herbicide Resistance Action Committee as 'Group B'. 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 an 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 tank-mixing 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, your distributor, crop adviser or product manufacturer.

### Soil

**CLAYTON PARAGON** can be used on all soil types. Weed control may be reduced in dry conditions.

## Volume and Application

Apply in 100 - 200 litres of water per hectare. Use a conventional field crop sprayer at a pressure of 2-3 bars and apply as a MEDIUM spray (as defined by BCP). When crops are thick or weed growth dense, use 400 litres of water per hectare. When applying **CLAYTON PARAGON**, care should be taken not to overlap spray swaths.

### Mixing

Before using **CLAYTON PARAGON**, make sure that the spraying equipment is clean.

When using **CLAYTON PARAGON** in a tank-mix, always add **CLAYTON PARAGON** to the spray tank first.

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

### Compatibility

In any tank-mix add **CLAYTON PARAGON** 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. 'Joint application' with some other sulfonylurea and 'ALS inhibiting' herbicides may be applied to a crop treated with **CLAYTON PARAGON**. For further information contact your distributor/adviser.

Do not apply **CLAYTON PARAGON** to any cereal crop in sequence or tank-mixture with any product containing any other sulfonyl-urea herbicide product. Note the specifications for following crops: Requirements and restrictions on the compatible product labels must be observed when using in sequence or in tank mixture.

Vigour reductions may be seen in following crops of oilseed rape and field beans under certain circumstances e.g. dry summer. Any effects should be outgrown and should not result in yield loss.

When using tank-mixtures take care not to overlap spray swaths.

Do not tank-mix **CLAYTON PARAGON** with chlorpyrifos.

Allow a minimum of 14 days between application of **CLAYTON PARAGON** and any chlorpyrifos treatment.

### Cultivation (following crop):

No special requirements for cultivation are needed where cereals are to be sown as the following crop.

Before sowing either oilseed rape or field beans, soil should be cultivated to a depth of 20 cm.

Sugar beet may be grown in the spring, following harvest of a preceding cereal crop which has received one of the above sequences.

## CROPS

### CEREALS

#### Crop Safety

**CLAYTON PARAGON** can be used on all varieties of wheat (except Durum wheat) and spring barley between the growth stages given below.

#### Timing

**CLAYTON PARAGON** must only be applied from 1 February, provided the crop has at least two leaves (wheat) or three leaves (barley) until before the flag leaf sheath extending stage.