

# CLAYTON GOLDCOB

Contains 100 g/l (9.1 % w/w) mesotrione in a suspension concentrate.  
A herbicide for the control of important annual broad-leaved weeds and cocksbur grass  
in forage and grain maize. MAPP 16299



Clayton Goldcob contains mesotrione

Very toxic to aquatic life with long lasting effects

Causes serious eye irritation

Wear eye protection/face protection

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**If eye irritation persists:** Get medical advice/attention.

Keep out of reach of children

Collect any 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.

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

## IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

<b>Crops:</b>	Forage maize and grain maize.
<b>Maximum individual dose:</b>	1.5 litres product/ha
<b>Maximum number of treatments:</b>	One per crop
<b>Latest time of application:</b>	At the eight leaves stage

**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

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

WEAR SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

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

Wear suitable gloves and eye/face protection.

WASH SPLASHES from skin immediately.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.

### Environmental protection

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.

Use appropriate containment to avoid environmental contamination.

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

This product qualifies for inclusion within the Local Environmental 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 published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for inspection for three years. 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 metre of the top of a ditch which is dry at the time of application. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1m of the top of the bank of a static or flowing water body. Aim spray away from water.



**Storage and disposal**

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.  
 KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.  
 KEEP OUT OF REACH OF CHILDREN.

This material and its container must be disposed of in a safe way.  
 RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of the container safely.

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

**Approval Holder**

**Clayton Plant Protection (UK) Ltd.,**  
**Bracetown Business Park**  
 STORE IN A COOL DRY PLACE  
**CLONEE, Dublin 15**  
**Ireland.**  
 Tel: (00 353) 1 8210127

Contents: **1-10 litres e**  
 Batch No:

PROTECT FROM FROST  
 SHAKE THOROUGHLY BEFORE POURING

**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.

**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.**

Clayton Goldcob controls important weeds commonly found in crops of forage and grain maize. Uptake is mainly by foliar absorption with absorption from the soil solution being of secondary importance. Owing to uptake being mainly through the leaves, treatment is not restricted by soil type provided that a firm, fine, moist seedbed allowing good growth has been attained.

DO NOT USE on forage maize or grain maize seed crops or on sweetcorn varieties.

**RECOMMENDATIONS**

Target weeds	Dose	Period of application
Susceptible broad-leaved weeds – see WEED CONTROL	0.75 l/ha	When the crop has between 2 and 8 unfolded leaves inclusive and target weeds are within their susceptible stages.
Cockspur grass	1.5 l/ha	

**TIME OF SPRAYING FOR OPTIMUM WEED CONTROL**

- ◆ When the weeds have germinated.
- ◆ When the weeds are young seedlings.
- ◆ When the weather is warm and the soil is moist, encouraging active weed growth.
- ◆ When crop competition is vigorous.

## CROP, SOIL AND WEATHER FACTORS

- ◆ Do not apply during periods of cold weather, frost or snow or if cold weather has been forecast.
- ◆ Do not apply to crops under stress during hot weather.
- ◆ Do not apply to wet foliage or if rain is forecast.
- ◆ Do not apply to crops under any growing stress such as drought, waterlogging, physical damage, pesticide toxicity, improper nutrition or other disorder until the stresses have been relieved.
- ◆ Avoid application whilst wide day and night temperature fluctuations are occurring.
- ◆ If crops are treated whilst under any stress, they may react by displaying a temporary yellowing, normally without effect on yield.

## WEED CONTROL

Weed control achieved under good conditions for growth and application; weed control may be reduced when the soil is dry or growing conditions poorer.

### At 0.75 l/ha

Amaranth, common	1-8 leaves
Charlock	1 leaf to flowering
Chickweed, common	1 leaf to 10 cm diameter
Fat-hen	1-12 leaves
Nightshade, black	1-10 leaves
Redshank	1-6 leaves
Pansy, field	1-6 leaves
Volunteer oilseed rape	1-6 leaves

### At 1.5 l/ha

Cockspur grass	One leaf to first tiller
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## WEED RESISTANCE STRATEGY

Clayton Goldcob is a 4-HPPD inhibitor, disrupting the development of plant pigments which are essential for photosynthesis.

If forage maize is grown in successive years on the same area of land, avoid the use of Clayton Goldcob in more than two consecutive years. Where possible introduce alternative herbicides with different modes of action to avoid or delay the development of resistant weeds. If strains of weeds develop that are less sensitive to mesotrione then the level of weed control obtained with Clayton Goldcob may be reduced.

## APPLICATION

Apply the recommended dose in 200-300 l/ha water as a MEDIUM (BCPC) spray at 2-3 bar through a correctly adjusted and calibrated conventional hydraulic sprayer. Ideally use the lower water volume; use the highest spray volume only in the most dense crops or when weeds are numerous or large. Avoid spray drift onto nearby crops. Do not spray in windy weather. Do not overlap spray swaths.

## SPRAY DRIFT AND SOIL CONTAMINATION

Clayton Goldcob is active at low rates. Take extreme care to avoid contaminating or allowing spray to drift onto any susceptible broad-leaved crop, such as tomatoes, lettuce, oilseed rape, vegetables, turnips, swedes, sugar beet, peas, beans, glasshouse crops, fruit and ornamentals etc. or land to be planted with such susceptible crops, otherwise crop damage will result. Avoid damage by drift onto broad-leaved plants outside the target area or onto ponds, waterways or ditches. Do not spray in windy conditions. Disposal of spray tank washings should be in accordance with local or national legislation.

## SPRAY MIXING

***Invert the product container several times and shake thoroughly before pouring.*** Half-fill the spray tank with clean water and put under agitation. Slowly add the required amount of Clayton Goldcob through the filling aperture. ***Rinse the empty container thoroughly*** using an integrated pressure rinsing device or manually rinsing three times. Add the washings to the sprayer at the time of filling; dispose of the container safely. Top up the tank with water and keep under agitation until sprayed out. Do not allow mixed spray to stand for long periods, e.g. overnight. The use of an adjuvant is neither required nor recommended.

## CULTIVATIONS

It is advisable to complete all cultivations well before an application of Clayton Goldcob as cultivations tend to induce fresh weed germination; in any event do not cultivate crops for at least 7 days before or after treatment.

## UNDERSOWN CROPS

Do not treat crops to be undersown with any other crop.

### **FOLLOWING CROPS**

Plough the land at least 15cm deep as the primary cultivation before re-cropping. Minor but normally transient effects might be seen on a following crop.

Forage or grain maize may be sown at any time after an application of Clayton Goldcob. Following normal-term harvest, winter wheat, winter barley and the rye-grasses may be sown in the autumn of the harvest year. Oilseed rape may be sown but it is necessary to deep plough, more than 15 cm deep, followed by cultivation before its sowing. Only forage or grain maize, spring wheat, spring barley and the rye-grasses may be sown in the following spring.

### **EQUIPMENT MAINTENANCE**

Immediately after use wash the spraying machine and all utensils thoroughly with clean water and a wetting agent recommended for the cleaning of application equipment. It is essential to remove all traces of herbicide from the sprayer. Wash the inside of the tank with clean water using at least 10% of tank volume. Pump out through the spray lines and drain the tank fully. Repeat the procedure before allowing the equipment to dry.

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