

# Clayton Goldcob

MAPP 19247

A suspension concentrate containing 100 g/l (9.1% w/w) mesotrione.

Clayton Goldcob is a foliar applied herbicide for the selective control of annual broad-leaved weeds in forage and grain maize.

**Contains mesotrione 100g/L (9.1%)**

## Warning



Causes serious eye irritation.  
Very toxic to aquatic life with long lasting effects.  
Keep out of reach of children.  
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.

Collect spillage.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty clean containers which can be disposed of as non-hazardous

waste.

To protect aquatic organisms, respect an unsprayed buffer zone of 5m to surface water bodies.

Direct spray away from water.

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

Protect from frost

Store above 5°C

Keep away from food, drink Bracetown Business Park and animal feed  
Clonee, Dublin 15,

Ensure adequate ventilation

## Distributed by:

Clayton Plant Protection

Ireland.

Tel: +353 1 821 0127

in working area email: info@claytonpp.com **NET CONTENTS: 5 Litres**

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### **IMPORTANT INFORMATION**

For use only as a professional agricultural herbicide

<b>Crop</b>	<b>Maximum Individual Dose treatments</b>	<b>Maximum Number of hectare)</b>	<b>Maximum application per crop</b>	<b>Latest time of (Litres product per</b>
Forage maize, grain maize	1.5		1	Eight leaf 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.**

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

### **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.

**WHEN USING DO NOT EAT, DRINK OR SMOKE.**

**WASH SPLASHES** from skin immediately.

**WASH HANDS AND EXPOSED SKIN** before meals and after work.

#### **Environmental Protection**

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

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. **DO NOT ALLOW DIRECT SPRAY** from horizontal boom sprayers to fall within 5 m 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. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing water body. Aim spray away from water.

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'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**

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 safely. 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 carefully read in order to obtain safe and successful use of this product.

### **GENERAL INFORMATION**

CLAYTON GOLDCOB contains mesotrione a foliar applied herbicide for selective control of annual broad-leaved weeds. The activity of CLAYTON GOLDCOB is mostly by foliar uptake and to some extent by soil uptake. CLAYTON GOLDCOB is rapidly absorbed through the leaves and moves to the growing point.

#### **Crops**

For use only as a herbicide for the control of weeds in forage and grain maize. DO NOT USE on forage and grain maize seed crops or on sweet corn varieties.

#### **Spray timing**

Always inspect crop and weed growth stage immediately before spraying.

For the best results treat young weed seedlings. See weed control tables for application details.

### **CONDITIONS FOR USE Crops**

Forage and grain maize may be sprayed any time from the two to eight leaf stage.

#### **Weather**

For the best results CLAYTON GOLDCOB should be applied when the weeds are actively growing i.e. in warm humid weather with adequate soil moisture. Treatment in poor growing conditions or in dry soil may give less reliable control. Do not spray when weed or crop foliage is wet.

## AGRICULTURAL PRACTICE

It is not recommended to spray crops suffering stress e.g. when in very cold or drought conditions, or when wide temperature fluctuations are expected or excessive rainfall is expected to follow application. Under these adverse conditions mild to moderate chlorosis may be observed on sprayed leaves. This effect is usually transient and does not affect yield.

Take extreme care to avoid drift onto dicotyledonous plants outside the target area. Take extreme care to avoid drift onto all crops outside the target area, otherwise crop damage will result. Ensure that spray swaths are matched accurately and do not overlap.

## RESISTANCE MANAGEMENT

CLAYTON GOLDCOB is a 4-HPPD inhibitor, disrupting development of plant pigments which are essential for photosynthesis. This inhibition causes leaf chlorosis and eventual death of sensitive weed species. It's mode of action is different from other herbicide groups, and there is no known cross resistance in weeds which exhibit reduced sensitivity to other herbicides. Weed control may be reduced if strains of individual species less sensitive to CLAYTON GOLDCOB develop.

The use of CLAYTON GOLDCOB in programmes or tank mixtures with a broad-leaved herbicide possessing a different mode of action will reduce the likelihood of resistance developing in broad-leaved weeds e.g. Fat hen, Black nightshade, Common amaranth. At the present time there is no similar mode of action in herbicides for crops other than maize and therefore crop rotation will also delay the onset of any resistance. Where continuous maize is grown the use of CLAYTON GOLDCOB for more than two seasons should be avoided.

## WEED CONTROL - RATE OF USE

CLAYTON GOLDCOB contains an adjuvant system and the addition of an adjuvant or a tank mix wetting agent is not recommended.

The recommended dose rate is 0.75 to 1.5 litres per hectare depending on the type of weeds present.

<b>Annual Broad-Leaved Weeds</b>	<b>Dose Rate L/ha</b>	<b>Weed Growth Stage</b>
Fat hen	0.75	Emergence up to 12 leaves (or 20cm)
Black nightshade	0.75	Emergence up to 10 leaves (or 15cm)
Common amaranth	0.75	Emergence up to 8 leaves (or 10cm)
Redshank	0.75	Emergence up to 6 leaves (or 10cm)
Common chickweed	0.75	Emergence up to 10cm diameter
Oilseed rape volunteers	0.75	Emergence to 6 leaves
Charlock	0.75	Emergence to flowering
Field pansy	0.75	Emergence to 6 leaves
<b>Annual Grasses</b>	<b>Dose Rate L/ha</b>	<b>Weed Growth Stage</b>
Cockspur Grass	1.5	Emergence to 1 tiller

## **Application**

Good spray cover is essential and care should be taken to ensure that the sprayer has a matched set of nozzles, the machine is correctly calibrated and adjusted to the correct height above the crop.

**Apply using a medium quality spray (BCPC) at a pressure of at least 2 bar.**

Apply through conventional crop spraying equipment.

## **Preparation of the spray**

**Shake the CLAYTON GOLDCOB container before opening.**

Half-fill the spray tank with clean water, add the required amount of CLAYTON GOLDCOB and agitate while filling the tank. On emptying the container, 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 container safely. Continue agitation during spraying.

## **Volume of water**

Even cover of the weeds is essential.

Use in a recommended 200 to 300 litres (maximum) of water per hectare. The lower rate is preferable, but the higher volume may be necessary where there are dense or well developed weed populations.

## **Application methods**

Apply through a conventional field crop sprayer using a pressure of 2-3 bars. Ensure the sprayer is correctly calibrated before use.

Do not leave spray liquid in the sprayer for long periods (i.e. overnight).

## **After Use**

It is important to wash equipment thoroughly after use to remove all traces of CLAYTON GOLDCOB as even small amounts may cause damage to crops. Rinse inside of tank with clean water using at least one tenth of the spray tank volume. After flushing through pump and spray lines, drain and repeat procedure. Disposal of spray tank washings should be in accordance with local, state or national legislation.

## **FOLLOWING CROPS AND RECULTIVATION Recultivation**

Ploughing is recommended prior to reseeded. Some slight crop effects may be seen soon after emergence, but these are usually transitory in nature. Forage and grain maize can be re-seeded immediately in case of crop failure.

## **Rotational crops Autumn**

Winter wheat (including durum wheat), winter barley and rye grass can follow a maize crop treated with CLAYTON GOLDCOB.

Deep ploughing (greater than 15cm) followed by cultivation is necessary before drilling oilseed rape.

## **Spring**

Forage and grain maize, ryegrass, spring wheat and spring barley may be sown in the spring following application of CLAYTON GOLDCOB. Do not sow any other crop at this time.

PROTECT CLAYTON GOLDCOB FROM FROST.

## **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, and 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.