



## CLAYTON KIBO

Contains 750 g/kg prosulfuron, a sulfonyleurea herbicide, in water dispersible granules.  
For the control of certain annual broad-leaved weeds in forage and grain maize. **MAPP 19891**

  	<p><b>Clayton Kibo contains 750g/kg prosulfuron in water dispersible granules</b></p> <p><b>Harmful if swallowed</b>  <b>Very toxic to aquatic life with long lasting effects</b>  <b>Keep out of reach of children</b>  <b>Do not eat, drink or smoke when using this product</b>  <b>IF SWALLOWED: Call a POISON CENTRE or doctor/ physician if you feel unwell</b>  <b>Rinse mouth.</b></p> <p>Collect 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.</p> <p>To avoid risks to human health and the environment comply with the instructions for use.</p>
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The Control of Substances Hazardous to Health (COSHH) Regulations may apply to the use of this product at work.

<b>IMPORTANT INFORMATION : FOR USE ONLY AS AN AGRICULTURAL HERBICIDE</b>			
Crop	Maximum individual dose of product	Maximum number of treatments	Latest time of application
Forage maize Grain maize	20 g per ha	One per crop	Before the crop has 10 leaves unfolded.
<p><b>Other specific restrictions</b></p> <p>1) Do not apply to maize crops being grown for seed production.                  2) This product must not be applied by hand held equipment or in water volumes less than recommended.</p> <p><b>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.</b></p>			

<p><b>Clayton Plant Protection (UK) Ltd., Unit F10, Bracetown Business Park Clonee, Co. Meath Ireland</b></p> <p>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>Approval Holder:  <b>Clayton Plant Protection Ltd.</b>                  Address and telephone as above.</p>	<p>Contents: <b>50-250 g e</b></p> <p>STORE IN A COOL, DRY PLACE</p> <p>PROTECT FROM FROST</p> <p>Batch No:</p>
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**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.

#### **SAFETY PRECAUTIONS Operator protection**

Wear suitable protective clothing and gloves.

AVOID CONTACT WITH SKIN.

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.

Take extreme care to avoid spray drift onto non-crop plants outside of the target area.



To protect aquatic organisms respect an untreated buffer zone adjacent to surface 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 1m of the top of a ditch which is dry at the time of application. Aim spray away from water.

#### **Storage and disposal**

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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

DO NOT RE-USE CONTAINER for any purpose.

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.**

This product is approved under the Plant Protection Products Regulations (as amended).

### **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.**

#### **MODE OF ACTION**

Clayton Kibo is a sulfonylurea herbicide active against a range of broad-leaved weeds. It may be absorbed by both leaves and roots. Treated weeds become discoloured and slowly die.

#### **CROPS**

Forage maize and grain maize, excluding crops being grown for seed, on all soil types may be treated.

#### **TIME OF APPLICATION**

<b>Stage for crop</b>	<b>Stage for weeds</b>	<b>Remarks</b>
Spray from the 2-leaves stage of the crop up to and including the 9-leaves stage.	Spray when the weeds are within their susceptible growth stages, preferably when at the 2-4 leaves stage – see WEED CONTROL.	Spray weeds when growing actively in a moist soil during good growing weather.

#### **RATE OF APPLICATION**

Apply Clayton Kibo at 20 g/ha for all treatable weed situations – see WEED CONTROL. Add an authorised non-ionic wetting agent at its recommended rate to the spray mix.

## APPLICATION

Apply Clayton Kibo in 150-300 l/ha water as a MEDIUM spray (BCPC), ideally produced at 2-3 bar, through a tractor-mounted or drawn conventional hydraulic sprayer; do not apply by way of a hand-held sprayer. Adjust the water volume as necessary, within the stated range only, to achieve good coverage of weeds. Spray accurately to avoid overlapping spray swaths. Avoid spray drift. Do not spray wet foliage or when rain is imminent. Do not spray during periods of high temperature, during frosty weather or if frost is forecast.

## MIXING

Ensure that spray equipment is clean, correctly adjusted and in good working order. Add clean water to the spray tank equal to approximately one-sixth of final tank volume and put under agitation. **Top filling sprayers:** add the required amount of Clayton Kibo through the top opening. Add the required amount of authorised non-ionic wetting agent. Fill the tank with more clean water to the required volume whilst maintaining constant agitation.

**Sprayers fitted with an induction mixing system:** slowly introduce the required quantity of Clayton Kibo granules into the induction hopper so that they are drawn into the bulk of the spray mix.

Wash/rinse the sides of the induction bowl with clean water until the induction bowl is thoroughly cleaned of product. Add the required amount of authorised non-ionic wetting agent. Fill the tank with more clean water to the required volume whilst maintaining constant agitation.

Keep mixed spray under agitation until sprayed out. Spray immediately after mixing. Do not allow mixed spray to stand in the spray tank.

Rinse empty 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.

## COMPATIBILITY AND TREATMENTS IN SEQUENCE

Clayton Kibo is physically compatible for co-application with certain approved pesticides. Please contact your distributor for further information. When tank-mixing follow the Directions for Use of the other product to be applied in the tank-mix together with those of this label.

- Do not tank-mix with foliar or liquid fertilisers or organophosphorus insecticides.
- Do not apply Clayton Kibo to forage maize or grain maize already treated or to be treated with organophosphorus insecticides.
- Do not apply Clayton Kibo in sequence or in tank mixture with a product containing any other sulfonyleurea.

## SPRAY DRIFT/GROUND CONTAMINATION

Avoid damage by drift onto broad-leaved plants outside the target area or onto ponds, waterways and ditches. Take especial precautions to prevent drift onto any susceptible crop. All broad-leaved crops such as tomatoes, lettuce, oilseed rape, vegetables, turnips, swedes, beets, sunflowers, peas, beans, glasshouse crops, fruit, ornamentals etc. are susceptible by spray contact or ground contamination. Do not spray in windy weather. Emptying or cleaning of spray machinery must not be conducted on cropped land or land intended for cropping.

## CROP CONDITIONS

Crops under stress or of reduced vigour due to other herbicides, water-logging, drought, low temperatures, soil compaction, soil acidity, improper nutrition or other factors causing stress that restrict crop growth, should not be treated with Clayton Kibo. If the stress on the crop is persistent or was not relieved before treatment, some loss of yield may result. Crop growth may be slowed after application by heavy rainfall and/or cold weather.

## CULTIVATIONS

All cultivations should be completed at least 7 days, preferably earlier, before application to allow weeds to germinate and grow to the 2 true-leaves stage.

## **SUCCEEDING CROPS**

Following a treated crop of maize taken to normal harvest, winter wheat, winter barley and winter beans may be sown in the autumn provided that the land is first mould-board ploughed at least 15 cm deep. Spring sown crops are limited to spring wheat, spring barley, spring peas and spring beans with the proviso that the land is first mould-board ploughed at least 15 cm deep; do not sow any other spring crop.

In the event of a treated crop of maize failing for any reason, maize may be sown as the replacement crop following ploughing, provided that four weeks have elapsed since the date of application.

**WEED CONTROL**

The susceptibility of weeds, when at the 2-4 true-leaves stage, to the recommended treatment of Clayton Kibo applied under good conditions is indicated below. Weed control may be reduced when growing conditions are less than optimal, e.g. when the soil is dry.

<b>Susceptible</b>	<b>Moderately susceptible</b>	<b>Resistant</b>
Black-bindweed Bugloss Chickweed, common Dock, broad-leaved (seedling) Fumitory, common Groundsel Knotgrass Mayweed <i>spp.</i> Pimpernel, scarlet Redshank Shepherd's-purse Sow-thistle, prickly	Amaranth, common Fat-hen Mercury, annual	Crane's-bill, cut-leaved Deadnettle, henbit Deadnettle, red Field-speedwell, common Nightshade, black Toadflax <i>spp.</i>

**WEED RESISTANCE**

Repeated use of herbicides with the same mode of action can lead to the evolution of strains of weeds resistant to the herbicides having that mode of action, to the extent that the resistant strains become dominant. A strategy for preventing and managing such resistance should be adopted. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor, crop advisor or product manufacturer.

- Rotate herbicides with different modes of action or, if feasible, use mixtures.
- Do not rely on herbicides of one mode of action, e.g. ALS-inhibitors, in the same field over several years.
- Treat weeds when they are small and actively growing for maximum control.

**AFTER USE**

**Thoroughly clean all spray equipment immediately after completion of spraying precisely according to the instructions below. Failure to clean the equipment thoroughly, including the inside and outside of the lid, may result in damage to sensitive crops subsequently sprayed with the same spray equipment.**

1. Drain the spray system completely. Rinse the spray tank, spray boom and nozzles with clean water for several minutes then spray out.
2. Half fill the spray tank with clean water and add sodium hypochlorite 5.2% solution (commercial chlorine bleach) at 1 litre per 200 litres of full spray tank volume. Continue filling the tank with clean water until the sprayer is completely full. Agitate for 15 minutes then spray out the cleaning solution through the spray nozzles.
3. Rinse the tank thoroughly with clean water and flush out through hoses and boom to remove traces of chlorine bleach.
4. Remove nozzles and filters and clean with sodium hypochlorite solution of the same concentration as used to clean the spray tank. Wash protective equipment separately.

Dispose of washings in a safe area upon the holding designated for the purpose. Do not spray onto land intended for cropping or bearing amenity vegetation.