

# CLAYTON DELILAH XL

MAPP 15965

Contains 60 g/l (6.2 % w/w) nicosulfuron, a sulfonylurea herbicide,  
in an oil dispersion concentrate

For the control of certain annual broad-leaved weeds and grasses in forage and grain maize.



**HARMFUL**

**Harmful by inhalation  
Irritating to eyes  
May cause sensitisation by skin contact**



**DANGEROUS FOR THE ENVIRONMENT**

**Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment**

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

| Crop                        | Maximum individual dose of product | Maximum number of treatments | Latest time of application                   |
|-----------------------------|------------------------------------|------------------------------|--|
| Forage maize<br>Grain maize | 0.75 l/ha                          | One per crop                 | Up to and including the 8 true-leaves stage. |

### Other specific restrictions

To avoid the build up of resistance, do not apply this or any other product containing an ALS inhibitor herbicide with claims for the control of grass weeds, more than once to any crop.

**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 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 they provide an equal or higher standard of protection.

Wear suitable protective clothing and gloves.

AVOID CONTACT WITH SKIN.

DO NOT BREATHE SPRAY.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

WASH HANDS AND EXPOSED SKIN before meals and after work.

After contact with skin wash immediately with plenty of water.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

### 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.

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 PSD 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.

Keep away from heat.

DO NOT RE-USE NON-RETURNABLE CONTAINERS 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).

Safety data sheet available for professional user on request.

**Clayton Plant Protection (UK) Ltd.,  
Unit F10, Bracetown Business Park  
Clonee, Co. Meath  
Ireland.**

Tel: (00 353) 1 8210127

Contents: **1 litre**

STORE IN A COOL, DRY PLACE

SHAKE THOROUGHLY BEFORE USE

Batch No:

Permit holder: Clayton Plant Protection Ltd, address as above.

LERAP Category B

|   |
|---|
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains nicosulfuron).<br>UN 3082, Class 9, Packing group III |
|---|

**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.

### MODE OF ACTION

Clayton Delilah XL is a sulfonylurea herbicide, active against a range of broad-leaved weeds and grasses by foliar uptake. Growth of affected weeds is halted almost immediately. The weeds then die slowly with obvious yellowing occurring at about 10 days after application.

### TREATABLE CROPS

Forage maize and grain maize of all varieties being grown on all soil types, including organic soils, may be treated. Some damage might occur with particularly sensitive varieties under certain conditions, e.g. Abraxas, Fjord, Rival, Nancis, resulting in some loss of yield – see also CROP CONDITIONS.

**Under-sowing:** crops under-sown or intended for under-sowing must not be treated with Clayton Delilah XL.



## TIME OF APPLICATION

| Stage for crop  | Stage for weeds  | Remarks  |
|---|--|--|
| Spray from the 2-leaves stage of the crop up to and including the 8-leaves stage. | Spray when the weeds are within their susceptible growth stages, preferably when at the 2-leaves stage – see WEED CONTROL. | Spray weeds when growing actively in a moist soil during good growing weather. |

## RATE OF APPLICATION

Apply Clayton Delilah XL at 0.5 – 0.75 l/ha according to the weeds to be controlled –see under WEED CONTROL.

## APPLICATION

Apply as a MEDIUM spray (BCPC) through a conventional hydraulic sprayer in 200-400 l/ha water; the water volume being adjusted as necessary to achieve good coverage of weeds. Spray accurately to avoid overlapping spray swaths. Avoid spray drift. Do not spray wet foliage or when rain might fall within 6 hours.

## MIXING

Ensure that the spray equipment is clean before use. Fill the spray tank half-full with clean water and put under agitation. Add the required amount of Clayton Delilah XL to the water. Fill the tank with water to the level required and keep the mixture under agitation until completion of spraying. Spray immediately after mixing.

## COMPATIBILITY AND TREATMENTS IN SEQUENCE

Clayton Delilah XL 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 Delilah XL to forage maize or grain maize already treated or to be treated with organophosphorus insecticides.
- Do not apply Clayton Delilah XL in sequence or in tank mixture with a product containing any other sulfonylurea.

An application of Clayton Delilah XL may follow a pre-emergence herbicide provided that crop vigour has been maintained.

## 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, sugar beet, 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 Delilah XL. The most frequently observed reactions of a treated crop under stress, whether soil or weather related, are a yellowing of the foliage, crop stunting or loss of vigour. These effects are normally short-lived and in most cases are without result upon subsequent growth or yield; however if the stress on the crop is persistent or was not relieved before treatment, some loss of yield may result.

## 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. Soil disturbance after application will only encourage fresh weed germination.

## SUCCEEDING CROPS

Following a treated crop of maize taken to normal harvest, winter wheat, winter barley, winter rye and triticale may be sown in the autumn provided that the land is first mould-board ploughed at least 15 cm deep. An interval of at least 4 months must separate application of Clayton Delilah XL and the sowing of the specified autumn crop. In the event of crop failure for any reason only maize may be sown as the replacement crop following ploughing. There are no cropping restrictions in the spring of the year following the application.

## WEED CONTROL

The susceptibility of weeds 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.

### At 0.5 litres product/ha

|                      |   |   |
|----------------------|---|---|
| Meadow-grass, annual | S | At 2-4 leaves stage only                                  |
| Rye-grass, Italian   | S | At 2 leaves to early tillering; both weeds                |
| Rye-grass, perennial | S | having germinated from seed since the sowing of the crop. |

### At 0.67 litres product/ha

|                   |   |                     |
|-------------------|---|---------------------|
| Amaranth, common  | S | At 2-6 leaves stage |
| Chickweed, common | S | '' ''               |
| Shepherd's-purse  | S | '' ''               |

### At 0.75 litres product/ha

|                   |    |                     |
|-------------------|----|---------------------|
| Black-bindweed    | MS | At 2-6 leaves stage |
| Fat-hen *         | MS | '' ''               |
| Knotgrass         | MR | '' ''               |
| Mayweed spp.      | S  | '' ''               |
| Nightshade, black | MS | '' ''               |
| Orache, common    | MS | '' ''               |
| Persicaria, pale  | MS | '' ''               |
| Redshank          | MS | '' ''               |

S = Susceptible                      MS = Moderately susceptible                      MR = Moderately resistant

\* Fat-hen, in particular, must not be under any growing stress especially moisture stress.

Useful suppression of common couch (*Elymus repens*) in the year of application may result from an application at 0.75 litres product/ha when application coincides with the weed being at its 4-6 leaves stage.

Clayton Delilah XL is not recommended for use when weed populations are low.

## WEED RESISTANCE

This product contains nicosulfuron, an ALS inhibitor, also classified by the HRAC as being in Group B. Use only as part of a resistance strategy that includes cultural methods of control and does not use ALS inhibitors as the sole chemical method of grass weed control.

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. Strains of some annual weeds, e.g. black-grass, wild-oat and Italian rye-grass, have developed resistance to herbicides which may lead to poor control. 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 with the aid of the proprietary sprayer cleaner ALL CLEAR® EXTRA used according to its label instructions. 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.**

### Recommended procedure

1. Drain the tank completely. Wash the outside of the equipment with clean water.
2. Rinse the inside of the tank with clean water and flush through booms and hoses using at least 10% of the spray tank volume. Drain the tank completely.
3. Half-fill the spray tank with clean water and add All Clear® Extra as per its label recommendation (1 litre per 200 litres). Agitate and then flush the boom and hoses with the cleaning solution. Completely fill the tank with water and agitate for 15 minutes. Flush the boom and hoses again and drain the tank completely.



If it is not possible to drain the tank completely, step 3 must be repeated before going on to step 4.

4. Remove nozzles and filters and clean with All Clear® Extra solution at 50 ml per 10 litres of water.
5. Rinse the tank with clean water and flush through the boom and hoses using at least 10% of the spray tank volume. Drain the tank completely and allow the sprayer to dry.
6. Dispose of washings in a safe area upon the holding designated for the purpose. Do not spray onto land intended for cropping with sensitive crops.

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