

CLAYTON DELILAH

MAPP 12610

Contains 40 g/l nicosulfuron, a sulfonylurea herbicide, in a suspension concentrate

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



IRRITANT

Irritating to skin



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	1.5 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 per 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) AND SUITABLE PROTECTIVE GLOVES 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.

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.

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

Environmental protection

DANGEROUS TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters or ditches with chemical or used container.

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. 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 OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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

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

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

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

This product is approved under the Control of Pesticides Regulations 1986.

Safety data sheet available for professional user on request.

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

Contents: **1 litre**

STORE IN A COOL, DRY PLACE
SHAKE THOROUGHLY BEFORE USE

Tel: (00 353) 1 8210127

Batch No:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains nicosulfuron).
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 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. Forage maize on all soil types may be treated.

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 at 1 – 1.5 l/ha according to the weeds to be controlled –see under WEED CONTROL.

APPLICATION

Apply as a MEDIUM spray (BCPC) in at least 200 l/ha water to give 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 quarter-full with clean water and put under agitation. Shake the product in its container thoroughly before pouring. Add the required amount of Clayton Delilah to the water. Fill the tank with water as required and keep the mixture under agitation until completion of spraying.

COMPATIBILITY AND TREATMENTS IN SEQUENCE

Clayton Delilah is physically compatible in a two-way tank-mix with the under mentioned approved formulation; efficacy and safety upon the crop have not been verified and use of such mixture must be at the grower's risk. Do not tank-mix with foliar or liquid fertilisers or organochlorine insecticides. Follow the Directions for Use of the other product in the tank-mix together with those of this label.

Fluroxypyr

MAPP 12018

Do not apply Clayton Delilah in sequence or in tank mixture with a product containing any other sulfonylurea.

Do not apply Clayton Delilah to forage maize already treated or to be treated with organophosphorus insecticides.

An application of Clayton Delilah 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.

CROPS OF REDUCED VIGOUR

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. 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 are normally short-lived and in most cases are without effect upon subsequent growth or yield. Some flower deformation may be seen on particularly sensitive varieties, e.g. Abraxas, Fjord, Rival.

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.

UNDER-SOWING

Crops under-sown or intended for under-sowing must not be treated with Clayton Delilah.

SUCCEEDING CROPS

Only winter wheat may follow a treated crop of forage maize in the same calendar year; an interval of at least 4 months must separate application of Clayton Delilah and the sowing of the winter wheat. The winter wheat must not subsequently be undersown with any other crop. Forage maize or sweetcorn may be sown in the spring following the year of application and neither crop may be undersown. There are no cropping restrictions in the autumn of the year following the application.

WEED CONTROL

The susceptibility of weeds at the 2-6 true-leaves stage under good conditions is indicated below. Weed control may be reduced, particularly of fat-hen, when growing conditions are less than optimal, e.g. when the soil is dry.

At 1 litre product/ha

SUSCEPTIBLE

Groundsel
Meadow-grass, annual *
Shepherd's-purse
Rye-grass, Italian
Rye-grass, perennial

* At 2-leaves stage only.

At 1.5 litres product/ha

SUSCEPTIBLE

Chickweed, common
Mayweed spp.
MODERATELY SUSCEPTIBLE
Fat-hen

Limited data indicate susceptibility of:

Charlock
Oilseed rape volunteers

WEED RESISTANCE

This product contains nicosulfuron which is an ALS inhibitor, also classified by the Herbicide Resistance Action Committee as 'Group B'.

Use only as part of a resistance management strategy that includes cultural methods of control and does not use ALS inhibitors as the sole chemical method of grass-weed control.

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.

Avoid the use of Clayton Delilah or any other ALS inhibitor group herbicide as the sole means of grass and broad-leaved weed control in successive crops.

AFTER USE

THOROUGHLY CLEAN ALL SPRAY EQUIPMENT IMMEDIATELY AFTER USE, USING THE FOLLOWING 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 330 ml of household ammonia (9.5% ammonia) for each 100 l of tank volume (final concentration of ammonia in the full tank must be 0.03%). Agitate and then flush the boom and hoses with the ammonia 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 ammonia solution of the same concentration (0.03%) as used to clean the spray tank.
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.