

# CLAYTON FENICAN 550

MAPP 11160

contains 50 g/l diflufenican and 500 g/l isoproturon in a suspension concentrate

**For the control of broad-leaved weeds and certain annual grasses in winter wheat, winter barley and specified varieties of winter rye and triticale.**



Limited evidence of a carcinogenic effect

**HARMFUL**



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

**DANGEROUS FOR THE ENVIRONMENT**

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

**COMPLIANCE WITH THE FOLLOWING CONDITIONS OF USE AND ALL SAFETY PRECAUTIONS MARKED ♦ IS A LEGAL REQUIREMENT**

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

<b>Crop</b>	<b>Maximum individual dose of product</b>	<b>Maximum number of treatments</b>	<b>Latest time of application</b>
Winter wheat Winter barley	2 l/ha	One per crop	Before the second node detectable stage.
Winter rye Triticale	2 l/ha	One per crop	Pre-crop emergence

**Other Specific Restrictions**

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.

**READ ALL OTHER SAFETY PRECAUTIONS AND DIRECTIONS FOR USE BEFORE USE**

## **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 and contaminated surfaces.
- ❖ WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying by vehicle mounted/drawn equipment.
- ❖ However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH CONCENTRATE from skin or eyes immediately.

DO NOT BREATHE SPRAY.

WASH HANDS before meals and after work.

### **Environmental protection**

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.

- ❖ DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 metres of the top of the bank of a static or flowing waterbody, 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 1 metre of the top of the bank of a static or flowing waterbody. Aim spray away from water.

### **Storage and disposal**

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

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.**

Safety data sheet available for professional user on request.

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

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

Contents: **10 litres**

PROTECT FROM FROST - STORE ABOVE 5°C

Tel: (00 353) 1 8210127

Batch No:

**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.

### CROPS AND VARIETIES

All current recommended varieties of winter barley and winter wheat, excluding durum wheat, may be treated. The following varieties of winter rye and triticale may be treated:

**Winter rye:** Animo, Ashill Pearl, Dominant, Lovaszpatonai, Tetragorzow

**Triticale:** Aquarius, Bokolo, Lasko, Newton, Salvo, Torrs

DO NOT treat undersown crops or those crops to be undersown.

### RATE AND TIME OF APPLICATION

Crop	Application rate		Timing and remarks
	l/ha	fl.oz/ac	
Winter rye Triticale	2	28	Apply to crops sown before end-November after sowing but before crop emergence. See varieties.
Winter wheat Winter barley	2	28	Apply after crop emergence from the 1 leaf stage onwards up to the 1 <sup>st</sup> node being detectable. Best results are usually obtained with early autumn applications.

Note: If black-grass control is required apply in tank-mix with the appropriate rate of isoproturon MAPP 10895 – see COMPATIBILITY.

### CROP AND SOIL CONDITIONS

Do not use Clayton Fenican 550 on soils that have become cracked as a result of dry weather or have been cracked by recent subsoiling or mole-draining or other cause. This restriction is necessary to reduce the movement of isoproturon into field drains and hence into ditches, streams and rivers, by rainwater running through soil cracks.

Straw, trash and ash must be removed or buried 15 cm (6") deep.

The seed must be drilled 25mm (1") deep into a firm seedbed and covered. Do not treat broadcast-sown crops; improperly covered roots or seeds can be damaged.

Roll cloddy or loose, fluffy seedbeds after drilling, particularly those sown to winter rye and triticale that must be treated pre-emergence or if the treatment is to be applied soon after crop emergence, wheat and barley only. At application no clods should be larger than fist size. Do not roll or harrow after application as this may reduce weed control. If further rolling is needed, delay this until the spring.

DO NOT spray crops suffering stress from any cause, such as drought, waterlogging, severe disease or pest attack, grazing, nutrient deficiency or excessive soil compaction.

DO NOT use on SANDS or VERY LIGHT soils, very stony or gravelly soils, or on soils containing more than 10% organic matter (ADAS Soil Texture (85) System). On free draining and stony soils low in organic matter, crop damage may occur if heavy rain falls soon after application.

### WEATHER CONDITIONS

Ideally spray during a period of mild weather free of frost. A temporary crop check may follow an application made shortly before or during frosty weather. Early sown crops, e.g. September drilled, may be subject to damage if application coincides with a period of rapid growth in the autumn. Adequate soil moisture is essential for herbicidal activity. Dry weather after application may lead to poor weed control. Poor weed control may also follow very wet weather.

## **APPLICATION**

Apply the recommended quantity of Clayton Fenican 550 in 200-400 l/ha water (18-36 gal/acre) as a MEDIUM spray (BCPC definitions) to give even coverage and maximum retention of the spray on the target weeds. A minimum 2 bar spraying pressure is recommended. Use the highest water volume in dense crops and at the later growth stages. Avoid spray drift. Do not spray in windy weather. Avoid overlapping spray swaths and local overdosing.

## **MIXING**

Invert the container several times and shake the container thoroughly before pouring. Half-fill the spray tank with clean water. With the sprayer contents under agitation, add the required quantity of Clayton Fenican 550. Continue agitation whilst topping up the tank with water and until the mix is sprayed out. When tank-mixing with other products, mix Clayton Fenican 550 in the spray tank first. Spray immediately after mixing. Do not allow the sprayer to stand with spray mixture in it.

## **COMPATIBILITY**

Clayton Fenican 550 is physically compatible in tank mix with one of the following approved formulations. Application of any product in tank mix with Clayton Fenican 550 must be in accordance with the Directions for Use of this label and those of the partner product.

Deltamethrin    MAFF 07172  
Isoproturon    MAPP 10895

## **FOLLOWING CROPS**

### **Following crops - autumn**

**Cereals:** after the harvesting of crops treated with Clayton Fenican 550 winter cereals may be sown without restriction.

**Non-cereals:** after the harvesting of crops treated with Clayton Fenican 550 oilseed rape, leaf brassicae, field beans, sugar beet seed crops and winter onions are the only following broad-leaved crops permitted to be drilled in the autumn. The land must be ploughed at least 15 cm (6") deep with complete soil inversion and thoroughly cultivated before sowing. Over-compaction inhibiting satisfactory root development must be avoided. DO NOT direct drill or direct broadcast sow the permitted autumn-sown broad-leaved crops after use of Clayton Fenican 550 in the previous crop. Despite taking these precautions, a following autumn-sown broad-leaved crop may suffer a temporary yellowing of the leaves, although recovery is soon complete and yield is normal.

### **Following crops - spring**

**Cereals:** after the harvesting of crops treated with Clayton Fenican 550 spring cereals may be sown in the following year without restriction.

**Non-cereals:** after the harvesting of crops treated with Clayton Fenican 550 the land must be ploughed at least 15 cm (6") deep with complete soil inversion and thoroughly cultivated before sowing a non-cereal crop. DO NOT direct drill or direct broadcast sow broad-leaved crops after use of Clayton Fenican 550 in the previous crop.

### **Crop failure**

In the event of crop failure for any reason after Clayton Fenican 550 has been applied, it is recommended that only wheat or barley is sown in the same season or following spring. Thorough cultivations to mix the soil must precede the re-sowing of winter wheat; ploughing and thorough cultivations must precede the re-sowing of winter barley. Ploughing at least 15 cm (6") deep and a period of at least 20 weeks must elapse between application and the sowing of the following spring-sown crops: spring wheat, spring barley, spring oilseed rape, spring field beans, potatoes, sugar beet, carrots, edible brassicae, onions and peas. Re-cropping before the following autumn may only be conducted with crops listed in this section.

*Regular use of Clayton Fenican 550 or other product containing diflufenican may result in significant diflufenican residues in the soil after 2-3 years. Mould-board ploughing at least 15 cm (6") deep is imperative before any following non-cereal crop. Despite this action, it is possible that crops of leeks, onions, clovers and related species or other crops may be damaged by elevated diflufenican residues. Records of usage should be passed to any subsequent occupiers of the land.*

#### **WEED CONTROL**

Indicative weed control given by 2 l/ha Clayton Fenican 550 under good conditions:

<i>Susceptible up to 4 true leaves</i>		<i>Susceptible up to 2 leaves</i>
Chickweed, common	Mayweed, scentless	Meadow-grass, annual
Dead-nettle, red	Pansy, field	Meadow-grass, rough
Field-speedwell, common	Poppy, common	
Forget-me-not, field	Shepherd's-purse	<i>Pre-emergence only</i>
Mayweed, scented	Speedwell, ivy-leaved	Silky-bent, loose

Note: when Clayton Fenican 550 has been applied in the early autumn it is possible that some spring germinating weeds may be uncontrolled due to diminished residual activity occurring under certain conditions.

#### **CLEANING OF EQUIPMENT**

After each days use thoroughly clean all equipment with water and a cleaning agent recommended for the cleaning of sprayers.

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