

# CLAYTON LENAFL0

MAPP 11031

contains 440 g/l lenacil in a suspension concentrate

For the control of annual broad-leaved weeds and annual meadow-grass in sugar beet, fodder beet, red beet and mangels.



**IRRITANT**

**IRRITATING** TO EYES AND 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.

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

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

<b>Crops:</b>	Sugar beet, fodder beet, mangels, red beet.
<b>Maximum individual dose:</b>	See DIRECTIONS FOR USE
<b>Maximum number of treatments:</b>	" " "
<b>Latest time of application:</b>	" " "

**Other specific restrictions**

The total dose of product applied post-crop emergence to sugar beet must not exceed 1.3 litres product per ha.

**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 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.

WASH CONCENTRATE from skin or eyes immediately.

DO NOT BREATHE SPRAY.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before meals and after work.

### **Environmental protection**

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

### **Storage and disposal**

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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

KEEP OUT OF REACH OF CHILDREN.

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.**

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.**

Tel: (00 353) 1 8210127

Contents: **5 litres**

PROTECT FROM FROST

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.**

Crop	Maximum individual dose of product	Maximum number of treatments	Latest time of application
Sugar beet	5 l/ha	1 per crop	Pre-emergence of crop
	plus 1.3 l/ha	1 per crop	Before the beet leaves meet across the rows
	or 0.4 l/ha	3 per crop see also Other Specific Restriction in Statutory Box	Before the beet leaves meet across the rows
Fodder beet Mangels Red beet	5 l/ha	1 per crop	Pre-emergence of crop

### PRE-EMERGENCE TREATMENT: MINERAL SOILS ONLY

#### FOR SUGAR BEET, FODDER BEET, MANGELS AND RED BEET

Apply Clayton Lenaflo according to soil texture. The *STANDARD RATE* of application gives a high level of weed control by itself and follow-up treatment may not always be necessary after its use. The *LOWER RATE* is intended for use on sugar beet where weed burdens are known to be light and a post-emergence follow-up treatment of Clayton Lenaflo tank-mixed with an approved formulation of phenmedipham MAFF 07248 is to be applied - see also POST-EMERGENCE TREATMENT. Ensure that the beet seed has been drilled at least 15 mm deep.

Soil texture (85 system)	Clayton Lenaflo <i>STANDARD RATE</i>	Clayton Lenaflo <i>LOWER RATE</i>
<i>Very Light</i>	2 l/ha (28 fl.oz/ac)	1.5 l/ha (21 fl.oz/ac)
<i>Light</i>	SL, FSL, SZL 3 l/ha (42 fl.oz/ac)	2.2 l/ha (31 fl.oz/ac)
	ZL(85) 4 l/ha (56 fl.oz/ac)	2.8 l/ha (40 fl.oz/ac)
<i>Medium</i>	5 l/ha (3½ pint/ac)	3.7 l/ha (52 fl.oz/ac)
<i>Heavy</i>	not recommended	not recommended

#### Method and remarks

- Apply behind the drill whilst drilling or immediately after drilling before weed or crop germination as an overall MEDIUM spray in 220-450 l/ha water (20-40 gal/ac) or as a band.
- Excessive rain after application might result in crop injury or some loss of crop stand; this condition is accentuated if followed by very hot weather and in either case yield might be reduced.
- Accurate application is essential on all soil types, most particularly on the lighter soil categories.
- Do not treat *Sands* or soils containing more than 10 % organic matter. Treatment of *Very Light* and *Light Soil* categories with a high proportion of stones is not recommended. If the soil texture is variable over the field, categorise the soil according to the lightest soil texture and make compensation accordingly in the follow-up weed control measures.

## POST-EMERGENCE TREATMENT FOR SUGAR BEET

Clayton Lenaflo may be employed in a post-emergence application in tank-mix with the approved formulation of phenmedipham MAFF 07248, to give both contact and some residual soil activity. If required the total dose may be applied in 1-3 applications. For satisfactory results, prior weed control, whether by herbicides or cultivations, must have been effective. Adequate soil moisture is necessary for optimum residual activity.

Clayton Lenaflo	Phenmedipham MAFF 07248	Method	Remarks
<b>Single dose</b> 1.3 l/ha (18 fl.oz/ac)	7 l/ha (5 pint/ac)	Apply at the fully expanded cotyledon stage of the sugar beet to weeds between the cotyledon and two true-leaves stages. Apply as a MEDIUM spray (BCPC) in at least 200 l/ha water at 2-3 bar (18 gal/ac at 30-40 psi).	Recommended on all soil types except <i>Sands</i> and those containing more than 10 % organic matter. Make only one single dose or up to three split-dose post-emergence applications following the pre-emergence treatment recommendation of this label.
<b>Triple split dose</b> 0.4 l/ha (6 fl.oz/ac)	3.5 l/ha (2½ pint/ac)	Apply at the fully expanded cotyledon stage of the sugar beet to each new flush of weeds as the weeds reach the cotyledon stage. Apply as a FINE spray (BCPC) in 80-120 l/ha (7-10 gal/ac) water using appropriate 110° flat fan nozzles at 2.5-5.5 bar (35-80 psi).	Apply before the crop leaves meet across the rows.

## CROP/WEATHER CONDITIONS

Clayton Lenaflo mixed with phenmedipham MAFF 07248 must only be applied to healthy crops growing under good conditions. If a crop is suffering from any stress e.g. previous herbicide injury, trace element deficiency, soil acidity, drought, waterlogging, wind, frost, wide temperature fluctuations, pest, disease, then application may lead to a crop check and reduced yield. Do not spray if frost is forecast. If the temperature is likely to be over 21°C (70°F) on the day of spraying, spray later in the day e.g. after 5 p.m.

## SOIL CONDITIONS

As with all soil acting residual herbicides, best results are achieved on fine, even, firm, moist soils free of clods. Light rain or irrigation after application is essential.

## FOLLOWING CROPS

On mineral soils any following crop may be planted 4 months after last application of Clayton Lenaflo if the land is mould-board ploughed to a minimum 15 cm (6") depth. Only sugar beet, fodder beet, mangels or red beet may be sown within 4 months of application and no further application of Clayton Lenaflo should be made to these crops within 4 months of the last original application.

## PROCESSED CROPS

Consult processors before treating crops intended for processing.

## MIXING AND USE

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 Lenaflo. Continue agitation whilst topping up the tank with water and until the mix is sprayed out.

## COMPATIBILITY

Clayton Lenaflo is compatible in tank-mix with chelated manganese and the undermentioned approved formulations. Follow the Directions for Use of the other product in the tank-mix together with those of this label.

Ethofumesate	MAFF 07266
Phenmedipham	MAFF 07248

## WEED CONTROL

The susceptibility of annual weeds to a pre-emergence application of Clayton Lenaflo is given in the table:

Black-bindweed	S	Nightshade, black	R
Bugloss	MS	Orache, common	S
Charlock	S	Pansy, field	R
Chickweed, common	S	Penny-cress, field	S
Cleavers	R	Persicaria, pale	S
Dead-nettle, red	MR	Pimpernel, scarlet	S
Fat-hen	S	Poppy, common	S
Field-speedwell, common	MR	Radish, wild	S
Fumitory, common	S	Redshank	S
Groundsel	MS	Shepherd's-purse	S
Knotgrass	S	Sow-thistle, smooth	S
Marigold, corn	S	Speedwell, ivy-leaved	R
Mayweed, scented	S	Spurrey, corn	S
Mayweed, scentless	S	Viper's-bugloss	R
Meadow-grass, annual	S	Wild-oat	R
Nettle, small	MS		

S = Susceptible MS = Moderately Susceptible MR = Moderately Resistant R = Resistant

## SPRAYER MAINTENANCE

Wash out the tank thoroughly with water and wetting agent after each day's use. Traces of herbicide left in the sprayer tank may damage susceptible crops sprayed later.

## SOIL CATEGORIES

### Soil Texture (85 system)

<b>Sands</b>	<b>Very Light Soils</b>	<b>Light Soils</b>	<b>Medium Soils</b>	<b>Heavy Soils</b>
Coarse sand	Loamy sand	Sandy loam	Sandy clay loam	Sandy clay
Sand	Loamy fine sand	Fine sandy loam	Clay loam	Clay
Fine sand	Coarse sandy loam	Sandy silt loam	Silty clay loam	Silty clay
Loamy coarse sand		Silt loam (85)		