

CLAYTON LENACIL 80W

MAFF 09488

contains 80 % w/w lenacil as wettable powder

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, skin and respiratory system



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/HORTICULTURAL HERBICIDE

Crop	Maximum individual dose of product	Maximum number of treatments	Latest time of application
Sugar beet	3.4 kg/ha	1 per crop	Pre-sowing
	or 2.8 kg/ha	1 per crop	Pre-emergence of crop
	Or 2.0 kg/ha and/or 0.7 kg/ha	1 per crop	Pre-emergence of crop
Red beet	3.4 kg/ha	1 per crop	Pre-sowing
	or 2.8 kg/ha	1 per crop	Pre-emergence of crop
Fodder beet Mangels	2.8 kg/ha	1 per crop	Pre-emergence of crop

Other specific restrictions

1. Red beet and sugar beet: a maximum 3.4 kg product per crop per year must not be exceeded.
2. Fodder beet and mangels: a maximum 2.8 kg product per crop per year must not be exceeded.

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 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.

EMPTY CONTAINER COMPLETELY 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: 1 kg

Tel: (00 353) 1 8210127

Batch No:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains lenacil). UN 3077; 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.

PRE-SOWING TREATMENT: ORGANIC SOILS ONLY

FOR SUGAR BEET AND RED BEET.

Clayton Lenacil 80W may be incorporated into soils containing 15 % or more organic matter for broad-leaved weed control. Owing to the greater residual life of the incorporated dose at least 6 months must elapse before sowing crops other than beets or mangels - see FOLLOWING CROPS.

Soil organic matter	Clayton Lenacil 80W	Method and remarks
10-15 %	not recommended	Apply in the final stages of seedbed preparation as an overall spray in 220-450 l/ha water (20-40 gal/ac).
15-20 %	2.2 kg/ha (2 lb/ac)	Incorporate the herbicide on the same day into the surface 2.5-3.8 cm (1-1½") with two harrowings, the second being a cross-harrowing. Straight tooth or spring tine harrows with accurate depth control are suitable equipment. Drill when required.
20-30 %	2.8 kg/ha (2½ lb/ac)	
>30 %	3.4 kg/ha (3 lb/ac)	

PRE-EMERGENCE TREATMENT: MINERAL SOILS ONLY

FOR SUGAR BEET, FODDER BEET, MANGELS AND RED BEET

Apply Clayton Lenacil 80W 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 Lenacil 80W 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 Lenacil 80W STANDARD RATE	Clayton Lenacil 80W LOWER RATE	Method and remarks
<i>Very Light</i>	1.1 kg/ha (1 lb/ac)	0.8 kg/ha (11 oz/ac)	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.
<i>Light</i> SL, FSL, SZL	1.7 kg/ha (1½ lb/ac)	1.2 kg/ha (17 oz/ac)	
ZL(85)	2.2 kg/ha (2 lb/ac)	1.5 kg/ha (22 oz/ac)	
<i>Medium</i>	2.8 kg/ha (2½ lb/ac)	2 kg/ha (28 oz/ac)	
<i>Heavy</i>	not recommended	not recommended	

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.

Clayton Lenacil 80W may also be applied pre-emergence in mixture with the approved formulation of ethofumesate MAFF 07266 according to the following table:

Soil texture (85 system)	Dose of Clayton Lenacil 80W	Dose of ethofumesate MAFF 07266	Method and remarks
<i>Very Light and Light soils (LS-ZL)</i>	0.5 kg/ha (7 oz/ac)	5 l/ha (3½ pint/ac)	Apply the mixture evenly to the soil surface behind the drill whilst drilling or immediately after drilling before weed or crop germination as an overall MEDIUM spray in 200-450 l/ha water (20-40 gal/ac) or as a band.
<i>Medium (SCL-ZCL)</i>	0.7 kg/ha (10 oz/ac)	7 l/ha (5 pint/ac)	
<i>Heavy (SC-ZC)</i>	1 kg/ha (14 oz/ac)	10 l/ha (7 pint/ac)	

Do not treat *Sands* or soils containing more than 5 % 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.

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.

POST-EMERGENCE TREATMENT FOR SUGAR BEET

LOW-DOSE MIXTURE

Clayton Lenacil 80W 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. 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 Lenacil 80W	Phenmedipham MAFF 07248	Method	Remarks
0.7 kg/ha (10 oz/ac)	7 l/ha (5 pint/ac)	Apply at the cotyledon stage of the sugar beet to weeds between the cotyledon and two fully expanded 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 post-emergence application following the pre-emergence treatment recommendation of this label.

CROP/WEATHER CONDITIONS

Clayton Lenacil 80W 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.

BAND APPLICATION

Area covered by 240 litres of spray in an 18 cm band:

Row Spacing (cm)	46	51	56	61
Hectares	2.6	2.8	3.1	3.4

Area covered by 21 gallons of spray in a 7 inch band:

Row Spacing (inches)	18	20	22	24
Acres	2.6	2.9	3.1	3.4

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 Lenacil 80W 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. The interval between last application and the following crop must be extended to 6 months after use of Clayton Lenacil 80W on organic soils.

PROCESSED CROPS

Consult processors before treating crops intended for processing.

MIXING AND USE

Cream the required quantity of Clayton Lenacil 80W with a little water in a clean container. Dilute further with water. Transfer the mixture to the spray tank already half-filled with water and under agitation. Fill the spray tank with water as required. Continue the agitation during spraying.

COMPATIBILITY

Clayton Lenacil 80W 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
Chloridazon	MAFF 03438, 11628
Phenmedipham	MAFF 07248

WEED CONTROL

The susceptibility of annual weeds to a pre-emergence application of Clayton Lenacil 80W is given in the table:

Black-bindweed	S	Mayweed, scentless	S
Bugloss	MS	Meadow-grass, annual	S
Buttercup, corn	S	Nettle, small	MS-MR*
Campion, white	S	Nightshade, black	R
Chamomile, corn	S	Orache, common	S
Chamomile, stinking	S	Pansy, field	R
Charlock	S	Penny-cress, field	S
Chickweed, common	S	Persicaria, pale	S
Cleavers	R	Pimpernel, scarlet	S
Dead-nettle, henbit	MR	Pineappleweed	S
Dead-nettle, red	MR	Poppy, common	S
Fat-hen	S	Radish, wild	S
Field-speedwell, common	MR	Redshank	S
Flixweed	S	Shepherd's-purse	S
Forget-me-not, field	S	Sow-thistle, smooth	S
Fumitory, common	S	Speedwell, ivy-leaved	MR
Groundsel	MS	Spurge spp.	R
Knotgrass	S	Spurrey, corn	S
Marigold, corn	S	Viper's-bugloss	R
Mayweed, scented	S	Wild-oat	MR

* on organic soils

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)

Sands	Very Light Soils	Light Soils	Medium Soils	Heavy Soils
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)		