



CLOVERMAX

MAPP 15780
PCS No 04773

A soluble concentrate containing 240 g/L (21.1% w/w) of 2,4-DB as the Sodium salt and 40 g/L (3.5% w/w) of MCPA as the Potassium salt.

For the control of a wide range of broad leaved weeds including charlock in wheat, barley and oats including undersown and direct re-seeds with clover.

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

Net Contents: 10 litres

BATCH: XXXX

PROTECT FROM FROST
FOR PROFESSIONAL USE ONLY

Nufarm UK Limited
Wyke Lane
Wyke
Bradford
West Yorkshire BD12 9EJ
United Kingdom

Technical Helpline telephone number +44 (0)1274 694714
24-hour emergency telephone number +44 (0)1274 696603

Safety Information



DANGER

Harmful if swallowed

Causes serious eye damage

Toxic to aquatic life with long lasting effects

Do not eat, drink or smoke when using this product

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Dispose of contents/container to hazardous or special waste collection point

Wear protective eye/face protection

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Avoid release to the environment

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

MAPP 15780 PCS No 04773

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL HERBICIDE

Crops	Maximum Individual Dose (L product/ha)	Maximum Total Dose (L product/ha)	Latest Time of Application
Barley, barley (undersown with red or white clover), oats, oats (undersown with red or white clover), wheat, wheat (undersown with red or white clover)	7.0	7.0 per crop	Before 1 st node detectable (BBCH31)
Grassland	7.0	7.0 per year	-

Method of Application: Tractor mounted/trailed sprayer

Other specific restrictions

Do not apply before end of February in the year of harvest

Livestock must be kept out of treated areas for at least 2 weeks following treatment and until poisonous weeds such as ragwort have died and become unpalatable.

The container must not be re-used for any purpose.

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 – UK only

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 (FACE SHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before meals and after work.

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible)

Environmental Protection

Livestock must be kept out of treated areas for at least 2 weeks following treatment IF RAGWORT IS PRESENT, FOLLOW THE GUIDANCE IN THE 'DIRECTIONS FOR USE'.

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).

Do not apply before end of February in the year of harvest

Extra care must be taken to avoid spray drift onto non-crop plants outside the target area

Storage and Disposal

KEEP OUT OF REACH OF CHILDREN.

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

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

DO NOT RE-USE CONTAINER for any purpose.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS

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.

RESTRICTIONS

- DO NOT roll, harrow or cut crops within seven days before or after applying CLOVERMAX.
- DO NOT graze crops within a week before or 2 weeks after applying CLOVERMAX
- DO NOT apply during drought, rain or if rain is expected.
- DO NOT apply in very cold conditions as effectiveness may be reduced.
- DO NOT use CLOVERMAX immediately before or after sowing any crop.
- **DO NOT spray on established clover crops or lucerne.**
- DO NOT use CLOVERMAX on cereals undersown with Lucerne or in seed mixtures containing Lucerne. When Lucerne is present use BUTOXONE DB or another suitable product.
- DO NOT spray in windy conditions as the spray drift may cause damage to neighbouring crops. The following crops are particularly susceptible: Beet, Brassicae (e.g. turnips, swedes, oilseed rape), and most market garden crops including lettuce and tomatoes under glass, pears and vines.

WEEDS CONTROLLED

ANNUAL WEED CONTROL

Annual weeds will be best controlled if spraying is done while the majority of weeds are seedlings.

Susceptible up to 2 expanded true leaves

Complete or almost complete control of seedlings

Buttercup, Corn	<i>Ranunculus arvensis</i>
Fat Hen	<i>Chenopodium album</i>
Penny-cress, Field	<i>Thlaspi arvense</i>
Shepherds Purse	<i>Capsella bursa pastoris</i>

Moderately Susceptible up to 2 expanded true leaves

Effective control of seedlings but not necessarily complete control

Charlock	<i>Sinapis arvensis</i>
Flixweed	<i>Descurainia sophia</i>
Fumitory, Common	<i>Fumaria officinalis</i>
Knotgrass	<i>Polygonum aviculare</i>
Mustard, Treacle	<i>Erysimum cheiranthoides</i>
Mustard, White	<i>Sinapis alba</i>
Nettle, Small	<i>Urtica urens</i>
Orache, Common	<i>Atriplex patula</i>
Persicaria, Pale	<i>Polygonum lapathifolium</i>
Poppy, Common	<i>Papaver rhoeas</i>
Redshank	<i>Polygonum persicaria</i>
Sow Thistle, Prickly	<i>Sonchus asper</i>

Sow Thistle, Smooth

Sonchus oleraceus

Moderately Resistant up to 2 expanded true leaves

Temporary suppression of seedlings, long-term control dependant on crop competition and weather.

Bindweed, Black

Fallopia convolvulus

PERENNIAL WEED CONTROL

The following perennial weed species will be controlled as indicated.

Common Name	Species Name	Shoots	Long Term
Buttercup, Bulbous	<i>Ranunculus bulbosus</i>	MS	R
Buttercup, Creeping	<i>Ranunculus repens</i>	S	MS
Dock, Broadleaved	<i>Rumex obtusifolius</i>	MR	R
Dock, Curled	<i>Rumex crispus</i>	MS	MR
Hawkbit, Autumn	<i>Leontodon autumnalis</i>	MS	-
Horsetail, Field	<i>Equisetum arvense</i>	MR	R
Horsetail, Marsh	<i>Equisetum palustre</i>	MS	R
Plantain, Greater	<i>Plantago major</i>	S	S
Plantain, Hoary	<i>Plantago media</i>	S	S
Plantain, Ribwort	<i>Plantago lanceolata</i>	S	S
Sow Thistle, Perennial *	<i>Sonchus arvensis</i>	MR	MR
Thistle, Creeping *	<i>Cirsium arvense</i>	MS	MR

* Spray Thistles when 10-20cm high provided clover is at the correct growth stage

S	Susceptible	Complete or near complete kill.
MS	Moderately Susceptible	Good control if attention is given to good timing.
MR	Moderately Resistant	Variable effect, useful control cannot be relied on.
R	Resistant	No useful effect

Shoots – refers to the stage between 3 expanded true leaves and early flower bud of the weed” and “Long Term – refers to the sustained response expected in established weeds as a result of effects on the shoots

Where ragwort is present users should consult the Code of Practice on How to Prevent the Spread of Ragwort. Ragwort plants sprayed with this herbicide are more palatable and contain higher levels of toxins. Animals should be excluded from treated areas until any ragwort has completely recovered or died and there is no visible sign of the dead weed. Do not include treated ragwort in hay or silage crops.

CROP SPECIFIC INFORMATION

CEREALS

May be used on all commercial varieties of Winter and Spring sown Wheat, Barley and Oats.

Not recommended for use on Rye.

Application rate: 7.0 L product/ha

Water volume: 100 - 400 L water/ha. Use a minimum of 225 litres water in dense stands of cereals or if weed growth is dense.

Weed control in cereals: CLOVERMAX applied at 7.0 L/ha will control those annual weeds as indicated in the weed control table

Winter Wheat, Barley and Oats (including undersown with red or white clover)

Latest time of application: Apply in the spring from the leaf sheath erect stage to before 1st node detectable (BBCH31). Do not apply in autumn, winter, during frosty weather or if frosts are expected following application.

Spring Wheat (including undersown with red or white clover)

DO NOT use CLOVERMAX on established clovers or on lucerne

Latest time of application: Apply from the 5 leaf stage until before 1st node detectable (BBCH31).

Spring Barley and Oats (including undersown with red or white clover)

Latest time of application: Apply from 1 leaf fully expanded stage until before 1st node detectable (BBCH31).

Undersown cereals

Application should be made when the cereal crop is at the correct growth stage (winter wheat from leaf sheath erect stage to before 1st node detectable stage, spring wheat from the 5 leaf stage to before 1st node detectable stage, spring barley and oats from 1 leaf fully expanded stage to before 1st node detectable stage) AND when the undersown crop of clover is at the correct growth stage (before 4th trifoliolate leaf stage).

GRASSLAND

DO NOT use CLOVERMAX on established clovers or on lucerne

Application rate: 7.0 L product/ha

Water volume: 100 - 400 L water/ha. Use a minimum of 225 litres water in dense swards or if weed growth is dense.

Weed control in grassland: CLOVERMAX applied at 7.0 L/ha will control the listed annual weeds and will control the listed perennial weeds as indicated in the weed control table. Biennial and perennial weeds should be sprayed during their period of maximum growth, usually when the flower buds are beginning to form. The response of perennial weeds to treatments is often variable with only the aerial parts killed, though often suppression will occur. The recovery of weeds will be reduced if the sward is growing vigorously at the time of treatment.

Grassland (Established)

Application timing: The time of application is best determined according to the growth stage of weeds present.

A top dressing 10 days before treatment is recommended to assist kill of weeds and subsequent recovery of the sward.

Newly Sown Leys

Application timing: Apply to young grass leys when the grasses have at least 4 leaves and have begun to tiller. Where several species of grass are present the timing should be dictated by the slowest developing species. Applications before tillering may cause a temporary check to growth.

Direct Re-seeds

Application timing: Apply after the 1st trifoliate leaf has appeared on the majority of the clovers ensuring that weeds are at the susceptible stage. With red clover some leaf deformity may be observed but subsequent growth will be normal.

SUCCEEDING CROPS

DO NOT sow any crop into soil treated with CLOVERMAX for at least 3 months after application

MIXING AND SPRAYING

Half fill the spray tank with clean water and start the agitation. Pour in the required amount of CLOVERMAX. Add the remainder of the water and continue agitation until spraying is completed. USE IMMEDIATELY following dilution. DO NOT allow diluted product to stand before use. Apply as a medium quality spray (as defined by BCPC). A spray pressure of 2-3 bar is recommended.

TANK CLEANING

WASH EQUIPMENT thoroughly with water and wetting agent or liquid detergent immediately after use. Spray out, fill with clean water and leave over night. Spray out again before storing or using for another product. Traces of product can cause harm to susceptible crops sprayed later.

COMPATIBILITY

CLOVERMAX can be tank-mixed with other pesticides, please consult your Nufarm distributor or Nufarm UK Limited.

RESISTANCE MANAGEMENT

When herbicides with the same mode of action are used repeatedly over several years in the same field, selection of resistant biotypes can take place. These can propagate and may become dominating. A weed species is considered to be resistant to an herbicide if it survives a correctly applied treatment at the recommended dose. A strategy for preventing and managing such resistance should be adopted. This should include integrating herbicides with a programme of cultural control measures. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor, crop adviser or product manufacturer.

COMPANY ADVISORY INFORMATION

This section is not part of the Product Label under the Plant Protection Products Regulations 2011. It provides additional advice on product use at the discretion of the applicant.

TERMS AND CONDITIONS OF SUPPLY, SALE OR USE

All goods supplied by Nufarm UK Ltd. are high grade and we believe them to be suitable for the purpose for which we expressly supply them: but as we cannot exercise any control over their mixing, use or 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 our Associate Companies for any damage or injury whatsoever arising from their storage, handling, re-application or use. These conditions cannot be varied by our staff, our agents or the re-sellers of the product whether or not they supervise or assist in the use of such goods.