



GRASSLAND HERBICIDE®

MAPP 14623



Aqueous concentrate formulation containing: 200g/litre (16.8% w/w) mecoprop-P, 200g/litre (16.8% w/w) MCPA, and 25g/litre (2.1% w/w) dicamba for use in Grassland and Amenity Grassland.

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

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops/Situation	Maximum individual dose (L product/ha)	Maximum number of treatments (per annum)	Latest time of application:
Grassland	5 for grass established for less than 18 months	2	7 days before grazing.
	OR 7 for grass established for more than 18 months	2	7 days before grazing.
Amenity Grassland	5.0	2	-

Other Specific Restrictions

- The total amount of mecoprop-P applied to an individual crop, or in a single year in the case of a perennial crop, must not exceed the maximum total dose of mecoprop-P approved for application to that crop by any single mecoprop-P containing product.
- Livestock must be kept out of treated areas for at least two weeks following treatment and until poisonous weeds, such as ragwort, have died and become unpalatable.

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.

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Aqueous concentrate formulation containing 200 g/L mecoprop-P, 200 g/L MCPA, 25 g/L dicamba

**HARMFUL**

HARMFUL IF SWALLOWED.
IRRITATING TO SKIN.
RISK OF SERIOUS DAMAGE TO EYES.
MAY CAUSE SENSITISATION BY SKIN CONTACT.
TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

**DANGEROUS FOR THE ENVIRONMENT**

AVOID CONTACT WITH EYES.
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY.
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
IF SWALLOWED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.
USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION.
To avoid risks to man and the environment, comply with the instructions for 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.
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying by vehicle mounted or trailed equipment.
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES, RUBBER BOOTS AND FACE PROTECTION (FACESHIELD) when handling contaminated surfaces and applying by hand held equipment.
- However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.
- **WHEN USING DO NOT EAT, DRINK OR SMOKE.**
- **WASH CONCENTRATE** from skin or eyes immediately.
- **WASH HANDS AND EXPOSED SKIN** before meals and after work.
- **IF YOU FEEL UNWELL,** seek medical advice (show the label where possible).

Environmental protection

- **HARMFUL TO FISH OR OTHER AQUATIC LIFE.** 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 OUT OF REACH OF CHILDREN.**
- **KEEP IN ORIGINAL CONTAINER** tightly closed in a safe place.
- **RINSE CONTAINER THOROUGHLY,** by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.
- **THIS MATERIAL AND ITS CONTAINER** must be disposed of in a safe way.

PROTECT FROM FROST

For Batch Number and Manufacturing Date see bottle.

Approval Holder:

Nufarm UK Limited
Wyke Lane, Wyke,
Bradford,
West Yorkshire,
BD12 9EJ

Net Contents

5 Litres

Marketing Company

United Phosphorus Ltd.

The Centre, Birchwood Park, Warrington, Cheshire, WA3 6YN
Telephone: 01925 819999 Fax: 01925 817425

IN CASE OF TOXIC OR TRANSPORT EMERGENCY CONTACT CARECHEM24 : +44 208 762 8322



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/WARNINGS

- Weeds that have over-wintered or have become hardened by cold weather, or poor growing conditions, may be less susceptible.
- Poor crop competition may result in reduced weed control.
- Rain within 12 hours may adversely affect results, as may drought or cold conditions.
- Do not spray where clovers or other legumes are an important part of the sward.
- Avoid spraying when wind could cause drift and damage to neighbouring crops.
- Avoid drift onto all broad-leaved plants outside the target area.
- Do not roll or harrow crops within seven days before or after spraying.
- Do not cut or graze for at least seven days after spraying, or, if poisonous weeds such as ragwort are present, until the dead foliage of poisonous weeds have dried out and become unpalatable.
- For grass intended for use as hay or silage, delay spraying until after the crop has been taken.
- Do not use grass cuttings for mulching, cuttings may be composted and used not less than 6 months later.
- Do not apply to grass suffering from drought, or during freezing conditions or when rain is imminent.

WEEDS CONTROLLED

GRASSLAND HERBICIDE is a selective herbicide for use post-emergence in grassland to give control of a wide spectrum of emerged annual, biennial and perennial broad-leaved weeds.

Annual weeds:

The following annual weeds are controlled up to the stages shown in good growing conditions:

Fat-hen	Up to 10cm	Chickweed, common	Up to 15cm
Mayweed	Up to 2.5cm	Knotgrass	Up to 2.5cm
Forget-me-not	Up to 5cm	Small nettle	Up to 10cm
Cleavers	Up to 10cm	Shepherd's purse	Up to 10cm
Charlock	Up to 25cm		

Biennial & Perennial weeds:

For all biennial & perennial weeds, unless stated differently below, spray at the rosette stage.

Susceptible	Moderately Susceptible	Moderately Resistant
Mouse-ear, common ^[1]	Dock, broad-leaved ^[2]	Ragwort, common ^[5]
Buttercup, creeping	Buttercup, bulbous	Horsetail
Plantains	Nettle, common ^[3]	Pimpernel, scarlet
	Thistle, creeping	Soft rush ^[6]
	Dock, curled ^[2]	
	Daisy	
	Dandelion	
	Thistle, spear ^[4]	

Notes:

[1] For plants up to 5cm.

[2] Spray when growing actively or in full leaf but before the formation of flower stems. Regeneration may occur from the crown of well-established rootstocks and a second application may be necessary.

Timing for this second application should be in accordance with the recommendations shown for 'Programme Spraying'.

[3] Spray when 15 to 25cm.

[4] Spray before flowering when plants are growing strongly.

[5] Spray when second year and older plants are still in rosette stage (normally late April to late May).

[6] Spray when actively growing before flowering, cutting rushes four weeks after spraying aids control.

TREATMENT OF CROPS

For best results spray in good growing conditions when the crop and weeds are actively growing and the weeds are at their most susceptible growth stage. Weeds, which have over-wintered or have become hardened by cold weather, or poor growing conditions, may be less susceptible.

Poor crop competition may result in reduced weed control. Rain within 12 hours may adversely affect results, as may drought or cold conditions. Weed foliage should be dry at the time of application.

Grassland may be sprayed from the fully-tillered stage. If it is intended to use GRASSLAND HERBICIDE at the higher rates of use, crops should have been established for at least eighteen months.

Do not spray where clovers or other legumes are an important part of the sward.

Do not use on amenity grassland until at least six months after establishment. Amenity grassland may be sprayed by knapsack sprayer.

The growth of cocksfoot, timothy and meadow fescue grasses may be temporarily suppressed in the period immediately following application.

Application should be made during the months April to mid-October, selecting a period when the crop and weeds are actively growing and the weeds are at their most susceptible growth stage but before the crop provides cover for the weeds. Best results will be obtained in fine warm weather when the soil is moist.

Where grassland has been grazed beforehand, it is advisable to remove the livestock at least ten to fourteen days prior to spraying to allow re-growth of weeds to occur.

Programme Spraying

Improved control of biennial/perennial weeds will be obtained by applying GRASSLAND HERBICIDE in two successive seasons as follows:-

	Programme 1	Programme 2	Programme 3
1st Application	Spring	Spring	Autumn
2nd Application	Spring*	Autumn	Spring*

* In the year following the first application.

Rates of Use

Overall Application: 5 litres in at least 200 litres of water per hectare, applied as a 'Medium' Spray (BCPC classification).

Use 7.0 litres of GRASSLAND HERBICIDE per hectare for improved control of listed dock spp, common ragwort and other less susceptible species when grassland has been established for at least eighteen months.

MIXING

Before mixing make sure that the spraying machine has been decontaminated following any previous use and that it has been equipped and calibrated to produce the recommended "Spray Quality" and spray volume. Place half the required amount of water in the spray tank, and add the required amount of GRASSLAND HERBICIDE whilst agitating. Then, maintaining agitation, add the remaining water requirement. Agitation should be maintained during travel to the field and throughout the spraying operation. After spraying, thoroughly clean the sprayer.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable 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 re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. Our staff or agents cannot vary these conditions whether or not they supervise or assist in the use of such goods.

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