



# UniPro MCPA 50%

Safety information  
UniPro MCPA 50%  
A soluble concentrate containing 500 g/L (44.25% w/w) MCPA as the dimethylamine salt.

**Harmful if swallowed**  
**Causes serious eye damage**

Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

To avoid risks to human health and the environment, comply with the instructions for use.

A selective herbicide for the control of many broad-leaved weeds in grassland.

PROTECT FROM FROST. FOR PROFESSIONAL USE ONLY. IN THE EVENT OF EMERGENCY, CALL THE NATIONAL POISONS INFORMATION CENTRE, BEAUMONT HOSPITAL AT 01 809 2166 OR 01 837 9964.

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**Approval Holder:**  
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PCS no. 07198

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## UniPro MCPA 50%

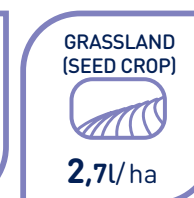
### FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crop	Max. Single Dose	Max. Total Dose	Latest Timing
Grassland (established)	2.7 L/ha	5.4 L/ha	N/A
Grassland (seed crop)	2.7 L/ha	2.7 L/ha	5 weeks before heading

### Other specific restriction

To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.

For use in tractor mounted/trailed horizontal sprayer only. DO NOT apply by hand-held equipment. Livestock must be kept out of treated areas until poisonous weeds such as ragwort have died and become unpalatable. This product must not be applied between the end of September and beginning of March. DO NOT apply in volumes less than 200 litres of water per hectare. DO NOT apply if rain is forecast within 48 hours. DO NOT apply to saturated soils.



**Distributor:**  
**Unichem Ltd.**  
Ballymacarney, The Ward,  
Co. Dublin, D11 CH64, Ireland  
Phone : 00 353 1 835 1499  
accounts@unichem.ie



## UniPro MCPA 50%

### SAFETY PRECAUTIONS

#### Operator protection

WEAR SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

WASH CONCENTRATE from skin and eyes immediately.

WASH HANDS AND EXPOSED SKIN before meals and after work.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

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

#### Environmental Protection

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).

KEEP LIVESTOCK OUT of treated areas until poisonous weeds such as Ragwort, have died and become unpalatable. This product must not be applied between the end of September and beginning of March.

#### 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.

WASH OUT CONTAINER THOROUGHLY and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

### 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 or harrow within a week of spraying.
- DO NOT mow within four days of application.
- DO NOT treat newly established grass less than one year old.

- DO NOT treat grass suffering from drought, disease, during freezing conditions when rain is imminent or other adverse factors.
- Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.
- DO NOT spray in windy weather, avoid drift on to neighbouring crops, especially beans, beet, brassicas, carrots, legumes, lettuce and tomatoes which are very susceptible.
- DO NOT apply before undersowing.
- WASH EQUIPMENT thoroughly immediately after use. Rinse with water three times, drain and allow to dry. Traces of herbicide left in the sprayer may damage susceptible crops if these are subsequently sprayed using the same equipment.
- DO NOT apply in volumes less than 200 litres of water per hectare.



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Expiry date 3 years

Net content:

10L

Batch: On the packaging

Production date: On the packaging



**WEEDS CONTROLLED**  
**Grassland**

SUSCEPTIBILITY	WEED SPECIES	TIMING
Susceptible (Consistently good control of both roots and shoots)	Greater Plantain	
	Ribwort Plantain	
Moderately Susceptible (Weeds suppressed and top-growth usually killed)	Autumn Hawkbit	
	Cat's Ear	
	Common Knapweed	
	Compact Rush	Spray in April to June. Cut and remove stems either four weeks before or after treatment.
	Creeping Thistle	Treat at early flower bud stage
	Common Daisy	
	Common Ragwort	Spray in spring when in rosette stage before flower spike starts to grow
	Hoary Cress	
	Meadow Buttercup	Treat in spring or early summer
	Self Heal	
	Soft Rush	Treat as Compact Rush
	Spear Thistle	
Moderately Resistant (Top growth only may be killed)	Bulbous Buttercup	Treat in autumn on new leaf or in spring
	Colt's Foot	
	Common Sorrel	
	Creeping Buttercup	Treat in spring or early summer
	Dandelion	
	Dwarf Thistle	
	Hard Rush	Treat as Compact Rush
	Meadowsweet	
	Sheep's Sorrel	
	Yarrow	

## **CROP SPECIFIC INFORMATION**

Always spray when the crop is actively growing.

### **Grassland**

Application rate: 2.7 L product/ha

Maximum total dose: 5.4 L product/ha

Use on established grassland and leys no less than 1 year old. Apply UniPro MCPA 50% in spring and summer when growing conditions are favorable. Spray grass for hay or silage 3-4 weeks before cutting. Clover may be checked but recovers by the following Spring. Follow-up applications may also be needed where new seedling weeds appear. An interval of 4-6 weeks should elapse between successive applications if weeds persist.

A top dressing ten days before treatment is recommended to assist kill of weeds and subsequent recovery of the sward. Annual weed species will be best controlled if spraying is done while the majority of weeds are seedlings. 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 are often variable with only the aerial parts killed, though often suppression will occur. The recovery of the weeds will be reduced if the grass is growing vigorously at the time of treatment.

Apply in 200-400 L water/ha.

### **Grassland (seed crops)**

Application rate: 2.7 L product/ha

Maximum total dose: 2.7 L product/ha

The safe period for treatment occurs when the grasses have at least four leaves and have begun to tiller but at least five weeks preceding ear emergence. The best time varies according to the species and strain of grass concerned. Do not apply more than 2.7 L/ha of UniPro MCPA 50%.

Apply in 200-400 L water/ha.

## **MIXING AND SPRAYING**

Half-fill the tank with clean water and add the required quantity of UniPro MCPA 50%, and add the remainder of the clean water with gently agitation which should continue until the contents are thoroughly mixed. Spray using a MEDIUM/COARSE spray (BCPC).

## **TANK CLEANING**

WASH EQUIPMENT thoroughly immediately after use. Rinse with water three times, drain and allow to dry. Traces of herbicide left in the sprayer may damage susceptible crops if these are subsequently sprayed using the same equipment.

## **COMPATIBILITY**

UniPro MCPA 50% can be tank-mixed with other pesticides, please consult your distributor.

## **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 a 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.

## **TERMS AND CONDITIONS OF SUPPLY, SALE OR USE**

All goods supplied by us 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.