



HIGH LOAD MIRCAM

MAPP 11930

A soluble concentrate containing 600 g/L mecoprop-P (present at 706 g/L as the potassium salt) and 80 g/L dicamba (present at 93.8 g/L as the potassium salt).

A selective herbicide for the control of broad-leaved weeds in wheat, barley and oats and amenity grassland.

Net Contents: 1 – 20 L

BATCH: XXXX

PROTECT FROM FROST

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

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

Technical Helpline telephone number 01274 694714
24-hour emergency telephone number 01274 696603

**IMPORTANT INFORMATION
FOR USE ONLY AS AN AGRICULTURAL HERBICIDE**

Crop	Maximum Individual Dose (L product/ha)	Maximum Total Dose (L product/ha)	Latest Timing
Winter and spring wheat, barley and oats	1.25	1.25 per crop	Before 1 st node detectable
Amenity Grassland	1.25	2.5 per year	-

Other specific restriction:

- Applications to cereals must not be made between 1st October and 1st March.
- The total amount of mecoprop-P applied to any 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.
- Non-returnable containers 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.

HIGH LOAD MIRCAM

A soluble concentrate containing 600 g/L mecoprop-p and 80 g/L dicamba



DANGER

Harmful if swallowed

Causes skin irritation

Causes serious eye damage

Toxic to aquatic life with long lasting effects

Wear protective gloves/ eye protection/ face protection

Avoid release to the environment

IF ON SKIN: Wash with plenty of soap and water

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

Immediately call a POISON CENTER or doctor/ physician

Dispose of contents/ container to a licensed hazardous-waste disposal contractor or collection site except for empty clean 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

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 GLOVES when handling contaminated surfaces

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when applying by hand held equipment.

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 CONCENTRATE from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before eating and drinking 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.

Extreme care must be taken to avoid spray drift onto plants outside of the target area.

Do not contaminate water with the product or its container. Do not clean equipment near surface water. Avoid contamination via drains from farmyards and roads.

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.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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 crop within a period of at least 7 days before or after spraying HIGH LOAD MIRCAM.
- Do not cut, graze, roll or harrow for 7 days before or after spraying.
- Do not apply HIGH LOAD MIRCAM to crops suffering from herbicide damage or stress caused by pests, nutrition defects or weather.
- Do not spray if rain is expected within 6 hours.
- Do not spray when cold or frosty conditions are prevalent.
- Overlapping spray swathes should be avoided. Avoid drift onto all broad-leaved plants outside the target area.
- Do not spray where drift may cause damage to susceptible crops, particularly tomatoes, lettuce, cabbage, turnips, swedes, beet and peas.
- Should crops be sprayed beyond the recommended times damage can occur which may result in reduction in yield.
- After liming ensure lime is washed off the crop and weeds before spraying.
- If poisonous weeds such as Ragwort are present, do not allow livestock into the field for at least 21 days or until the foliage has died down and become unpalatable.
- Do not use in grass fields where clover forms an important part of the sward.
- Do not spray cereals which have been, or are to be, undersown with clovers or other legumes as these may be killed or severely checked.

WEEDS CONTROLLED

It is best to spray in warm, moist weather when the weeds are actively growing.

Cereals

	Weeds	Growth stage controlled
SUSCEPTIBLE	Bindweed, Black Chamomile, Stinking Charlock Chickweed, Common Cleavers* Doves's-foot, Crane's-bill Fat-hen Fumitory, Common Groundsel	Controlled from cotyledon to 2 true leaves up to 6 true leaves or 50mm across x 50mm high.

	Weeds	Growth stage controlled
	Knotgrass Mayweed, Scentless Nettle, Small Pennycress, Field Radish, Wild Redshank Shepherd's Purse	
MODERATELY SUSCEPTIBLE	Buttercup, Corn Campion, White Pineapple Weed Sow-thistle, Prickly Speedwell, Common-field	Controlled at cotyledon to 2 true leaves and checked at 6 true leaves or 50mm across x 50mm high
MODERATELY RESISTANT	Hemp-nettle, Common** Mayweed, Stinking Poppy, Common** Sow-thistle, Smooth	Checked at cotyledon to 2 true leaves stage.
PERENNIAL WEEDS	Buttercup, Creeping Docks, Curled & Broad-leaved Thistle, Creeping	Apply at the early flowering stage provided this is still within the recommended timing for cereals. Shoots will be killed but further treatments may be required in other years to get complete kill.
RESISTANT WEEDS	Dead-nettle, Red Marigold, Corn Pansy, Wild	

* Only controlled up to 1st whorl stage

** Improved control can be achieved by adding 2.8 litres of an approved salt formulation of MCPA.

Amenity Grassland

	Weeds	Growth stage controlled
Perennials	Buttercup, Creeping Daisy Dock Nettle, Stinging Plantain Thistle, Creeping Thistle, Spear	Established perennials are best treated when the flower buds are visible. HIGH LOAD MIRCAM is most effective against docks in the seedling stage or during the early phase of regeneration from shoots. Established perennials are difficult to kill and a 2 nd spray may be required. For long term reduction treatment may have to be repeated the

		following season.
Annuals	Chickweed Mayweed, Scentless	Seedling and young plant stage (3-4 leaves).

CROP SPECIFIC INFORMATION

Crop	Maximum Individual Dose	Maximum Total Dose	Remark
Winter Wheat Winter Barley Winter Oats	1.25 L product/ha	1.25 L product/ha	Apply from 5 expanded leaf stage (GS15) to before 1 st node is detectable (GS31).
Spring Wheat Spring Barley Spring Oats	1.0 to 1.25 L product/ha	1.25 L product/ha	Apply from 5 expanded leaf stage (GS15) but before 1 st node is detectable (GS31). Use the lower dose when weeds are at the cotyledon to two expanded true leaf stage.
Amenity Grassland	1.25 L product/ha	2.5 L product/ha	Application as an overall treatment may take place at any time between April and October, optimum timing depends on the target weed growth stage. Apply from start of tillering. Do not use on clover.

Water Volumes:

Hydraulic Sprayer: 100 to 400 L/ha

Knapsack Sprayer: 300 to 1000 L/ha

Note:

It is important to note that under some growing conditions the crop may be seen to be prostrated after spraying but recovery is rapid and the crop will grow away normally. HIGH LOAD MIRCAM acts slowly and 2-3 weeks may elapse before the full effect on weeds is observed.

MIXING AND SPRAYING

This product is for use by professionally qualified spray operatives only. This is a legal requirement. There is also legislation regarding storage, protective clothing and disposal of empty containers. If not professionally qualified always use a qualified contractor to apply this product

Hydraulic sprayer

Half fill the spray tank with clean water and start the agitation. Pour in the required amount of HIGH LOAD MIRCAM. 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.

Knapsack Application

This method is recommended for spot treatment of weeds. Apply as a medium spray to just before run-off occurs.

Size of knapsack	Amount of HIGH LOAD MIRCAM*	Amount of water	Area Treated
5 L	15 ml	5 L	125 m ²
10 L	31 ml	10 L	250 m ²
20 L	62 ml	20 L	500 m ²

*Based on 400 L water/ha

TANK CLEANING

WASH EQUIPMENT thoroughly immediately after use. Fill the tank with clean water and leave overnight. Spray out before storage or using other products. Traces of the product may cause damage to susceptible crops sprayed later.

COMPATIBILITY

HIGH LOAD MIRCAM 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 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.

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 Nufarm.

ACKNOWLEDGMENTS'

®Mircam is the registered trademark of Nufarm UK Limited.

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.