

GROUP 15 HERBICIDES

ETHOFOL[®]

HERBICIDE

MAPP 19338

Suspension Concentrate (SC) containing 500 g/l (44.1 % w/w) ethofumesate.

For the control of annual grasses and broad-leaved weeds in sugar beet, red beet, fodder beet and mangels.

Warning

Very toxic to aquatic life with long lasting effects.

Avoid release to the environment.

Collect spillage.

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.

Contains 1,2-benzisothiazolin-3-one. May produce an allergic skin reaction.

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



UPL Europe Ltd
Engine Rooms (1st Floor), Birchwood Park,
Warrington, WA3 6YN
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For 24 hour emergency information contact:
CARECHEM24 : +44 (0) 1235 239670

PROTECT FROM FROST
SHAKE WELL BEFORE USE

For Batch Number and
Manufacturing Date see container

5L



ETHOFOL®

Suspension Concentrate (SC) containing 500 g/l (44.1 % w/w) ethofumesate.

For the control of annual grasses and broad-leaved weeds in sugar beet, red beet, fodder beet and mangels.

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

IMPORTANT INFORMATION:

ONLY FOR USE AS A PROFESSIONAL HERBICIDE

Crops	Maximum individual dose (l product/ha)	Maximum total dose (l product/ha/crop)	Latest timing of application
Sugar beet, red beet, fodder beet and mangels	2	2	Before crop emergence
OR			
Sugar beet, red beet, fodder beet and mangels	0.6	1.2	Before crop leaves meet between the rows. See 'Other Specific Restrictions (2)'
OR			
	1.0	1.0	Before crop emergence
Sugar beet, red beet, fodder beet and mangels		AND	
	1.0	1.0	Before crop leaves meet between the rows. See 'Other Specific Restrictions (2)'

OTHER SPECIFIC RESTRICTIONS

1. The maximum total dose must not exceed 1.0 kg ethofumesate per hectare in any three-year period.
2. The product must not be applied to red beet later than 84 days before harvest.
3. No food or feed crops except sugar beet, fodder beet, mangel and red beet may be grown within 120 days of treatment with ethofumesate.

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

WHEN USING DO NOT EAT, DRINK OR SMOKE.

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]. Take extreme care to avoid drift onto crops and non-target plants outside the target area.

STORAGE AND DISPOSAL

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF THE 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.

AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/ SAFETY DATA SHEETS.

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.

Ethofumesate is a benzofuran herbicide for control of annual grasses and broad-leaved weeds.

ETHOFOL can be used pre- and/or post- crop emergence in sugar beet, red beet, fodder beet and mangels, including seed crops. For post emergence applications at 0.6L/ha ETHOFOL must be used in combination with other products based on phenmedipham, as listed in the sections 'Crop specific information' and 'Compatibility'.

Applications of ETHOFOL can be made as an overall or a band spray.

RESTRICTIONS

1. ETHOFOL can be used on light soils and those with organic matter at or below 5 %. On medium soils persistence and residual control may be reduced and/or weed control may be less than the listed susceptibilities.
2. Avoid drift to areas outside those being sprayed having due regard to the prevailing weather conditions and spray quality being used.
3. Do not treat when frost is expected within the next 7 days, as this may cause irreversible damage to the crops.
4. Do not use when crop is under stress, e.g. from the use of other pesticides, wind damage, lime deficiency, nutrient deficiencies, insect or fungal attack, etc., as this may cause irreversible damage to the crop.
5. Do not spray under high light intensity or temperatures (> 21 °C). In this case delay application until the evening.
6. Consult processors before using on red beet grown for processing.

WEED CONTROL

Weeds Controlled by a 2 L/ha Pre-Emergence Application of ETHOFOL:

A pre-emergence application of ETHOFOL as part of a weed control programme may improve post emergence control of broadleaved weeds such as cleavers and fat hen and also annual grassweeds.

Weeds Controlled by 1 L/ha Pre-Emergence Followed by 1 L/ha Post-Emergence Application of ETHOFOL:

Susceptible

Common Chickweed (pre emergence up to 9 true leaves)

Moderately resistant

Shepherds purse (pre emergence up to 6 true leaves)

Black nightshade (pre emergence up to 2 true leaves)

Common field speedwell (pre emergence up to 9 true leaves)

Weeds Controlled by two applications of 0.6 L/ha Post-Emergence of ETHOFOL and 2.5 L/ha Phenmedipham

Susceptible

Fat hen (pre emergence up to 2 true leaves)

Wild pansy (pre-emergence up to cotyledon stage)

Notes:

- Susceptible - complete or nearly complete kill.
- Moderately resistant - variable suppression depending on the weather and the vigour of the crop.

CROP SPECIFIC INFORMATION

Sugar Beet, Red Beet, Fodder Beet and Mangels

ETHOFOL can be used pre- and/or post- crop emergence in sugar beet, red beet, fodder beet and mangels:

1. Pre-Emergence Application

ETHOFOL can be applied pre-emergence of the crop. Apply ETHOFOL to a fine, preferably moist, firm level seed bed.

On medium soils persistence and residual control may be reduced and/or weed control may be less than the listed susceptibilities.

Only one pre-emergence application with ETHOFOL can be made.

Dose: Apply a maximum total dose of 2.0 L product/ha/ crop.

Timing: Apply ETHOFOL at or as soon as possible after drilling, but before emergence of crop.

2. Pre-Emergence Followed by Post-Emergence Application

ETHOFOL can be applied as pre-emergence of the crop followed by application post emergence of the crop up to before crop leaves meet between rows.

Dose: Apply a maximum total dose of 1 litre/ha/crop ETHOFOL pre-emergence of the crop followed by a maximum total dose of 1 litre/ha/crop ETHOFOL post-emergence of the crop.

Timing: Apply the first application of ETHOFOL pre-emergence of the crop, at or as soon as possible after drilling. A further maximum total dose of 1 litre product/ha/crop can then be applied post-emergence of the crop.

3. Post-Emergence Application

Where no pre-emergence application with ETHOFOL is made, ETHOFOL can be applied post-emergence in combination with approved formulations of phenmedipham (see 'Compatibility' section for further information on this combination). This will give control of fat hen up to the two true leaf stage and wild pansy at the cotyledon stage.

ETHOFOL should be used as a split application at reduced doses.

Split treatment – two applications, in combination with phenmedipham:

Dose: 0.6 litres/ha ETHOFOL + 2.5 litres/ha phenmedipham*.

Timing: When the beet have at least 2 fully expanded leaves. Allow at least 15 days between applications.

* See 'Compatibility' section for further information on the possible mixing partners of ETHOFOL.

RESISTANCE WARNING

Strains of some annual grasses (e.g. black-grass, wild-oats, and Italian rye-grass) have developed resistance to herbicides which may lead to poor control. A strategy for preventing and managing such resistance should be adopted. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the AHDB, CPA, your distributor, crop adviser or product manufacturer.

FOLLOWING CROPS

After ploughing (mould board) to a minimum depth of 15 cm, any crop may be sown 120 days after applying combinations with ETHOFOL at the doses recommended on this label.

MIXING AND SPRAYING

Overall Spray:

Apply in 200-240 litres water per hectare as a COARSE (pre-emergence applications only) or MEDIUM quality spray (BCPC classification).

Band Spray:

The application rate for band spraying is as mentioned in the section 'Crop specific information', but the area treated by these application rates is dependent on the row spacing and the band width.

Apply in 240 litres water per ha as a MEDIUM quality spray (BCPC classification), using nozzles suitable for this application (consult manufacturers' instructions where necessary).

For an 18 cm band and a water volume of 240 litres water per ha, flat fan nozzles with a fan angle of 80 ° and an output of 0.4 litre per minute at 3 bar can be used.

Check and clean all hoses, nozzles and equipment to be used prior to use. Half fill the sprayer tank with clean water and begin agitation. Add the required quantity of the mixing partner, followed by the required quantity of ETHOFOL. Fill the spray tank with water as required whilst agitating. Continue agitating during spraying.

The time between preparing the spray liquid and using it on the field should be as short as possible, as crystallisation of the phenmedipham product may occur.

When spraying take care to avoid drift onto neighbouring crops, buildings or non-target plants.

TANK CLEANING

Mix only the required quantity of ETHOFOL.

At the end of spraying wash sprayer tank, pump and hoses with water and liquid detergent and empty completely.

COMPATIBILITY

For information on tank mixes please see the UPL website: www.upl-ltd.com/uk.

COMPANY ADVISORY INFORMATION

CONDITIONS OF SUPPLY

All goods supplied by the company are of good quality and we believe them to be fit for purpose.

However, as we cannot exercise control over their storage, handling, mixing or use or the weather conditions before, during or 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.

These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods. Brand names used in this label may be registered trademarks of UPL Europe Ltd, or other manufacturers in which propriety rights may exist.

EU supplier details (for Northern Ireland only):

UPL Holdings Coöperatief U.A.

Claudius Prinsenlaan 144 A, Blok A, 4818CP Breda, The Netherlands.

To access the Safety Data Sheet for ETHOFOL
please use the link below or scan the code.



www.upl-ltd.com/uk/product-details/ethofol
Alternatively, contact your local supplier.



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