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EFECKT®

HERBICIDE

MAPP 17177

Suspension Concentrate (SC) containing 500 g/l (44.1 % w/w) ethofumesate.
Also contains 1,2-ethanediol.

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

Toxic to aquatic life with long lasting effects.
Avoid release to the environment.
Collect spillage. Hazardous to the aquatic environment.
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.

A2.0 EFECKT UK 170715 NoA 1903-15

5 Litres
500 g/l ETHOFUMESATE

EFECKT/GB/5L/F/0917/UPL

September 2017

IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Crop:	Maximum individual dose:	Maximum total dose:	Latest time of application:
Sugar beet, red beet, fodder beet and mangels	2 litres product/ hectare	2 litres product/ hectare/crop	Before crop emergence
OR			
Sugar beet, red beet, fodder beet and mangels	0.6 litre product/ hectare	1.2 litres product/ hectare/crop	Before crop leaves meet between the rows
Grassland (seed crops)	2 litres product/ hectare	2 litres product/ hectare/ year	

OTHER SPECIFIC RESTRICTIONS
The maximum total dose must not exceed 1.0 kg ethofumesate per hectare in any three year period.
The product must not be applied to red beet later than 84 days before harvest.

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.
WEAR SUITABLE PROTECTIVE CLOTHING.

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.

PROTECT FROM FROST
SHAKE WELL BEFORE USE

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.

EFECKT can be used pre- or post- crop emergence in sugar beet, red beet, fodder beet and mangels, including seed crops. EFECKT must be used in combination with other products based on chloridazon or lenacil (pre-emergence) or phenmedipham (post-emergence), as listed in the sections 'Crop specific information' and 'Compatibility'. The product can also be used in established grassland swards of perennial ryegrass and tall fescue grown for seed production. It must not be used on grassland for agricultural use or animal consumption.

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

RESTRICTIONS
EFECKT 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.

Avoid drift to areas outside those being sprayed having due regard to the prevailing weather conditions and spray quality being used.

Do not treat when frost is expected within the next 7 days, as this may cause irreversible damage to the crops.

Do not treat red beet with EFECKT in combination with chloridazon.

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.
Do not spray under high light intensity or temperatures (> 21 °C). In this case delay application until the evening.

Consult processors before using on red beet grown for processing.

This product must not be used on grassland where treated grass may be consumed by livestock (either by direct grazing or consumption of grass cuttings).

WEED CONTROL
The weeds in the table below are controlled by a pre-emergence application with EFECKT in mixture with either chloridazon or lenacil (see 'Crop specific information').

Weeds Controlled by a Pre-Emergence Application of EFECKT

Susceptible

Annual meadow-grass	Fat hen
Black bindweed	Knotgrass
Black-grass	Mayweeds
Charlock	Pale persicaria
Cleavers	Redshank
Common chickweed	Scarlet pimpernel
Common fumitory	Shepherd's purse
Common orache	Wild radish (Runch)
Corn spurrey	

Moderately Susceptible

Black nightshade	Field penny-cress
Common hemp-nettle	Small nettle
Common field-speedwell	Speedwell spp
Common poppy	Wild-oat
Field pansy	

Resistant

Fool's parsley	Rye-grass
Henbit dead-nettle	

Notes
Susceptible - complete or nearly complete kill.
Moderately susceptible - good kill/effective suppression under good conditions.
Resistant - no useful effect.

CROP SPECIFIC INFORMATION

SUGAR BEET, RED BEET, FODDER BEET AND MANGELS

1. **Pre-Emergence Applications**
   On light soils EFECKT must be used pre-emergence in combination with approved formulations of chloridazon or lenacil, as specified in the section 'Compatibility' and as shown below.
   On medium soils 2.0 litres/ha EFECKT can be used in mixture with either chloridazon* or lenacil*, as shown below.
   On medium soils persistence and residual control may be reduced and/or weed control may be less than the listed susceptibilities. Apply EFECKT to a fine, preferably moist, firm level seed bed.

Dose

	Application rate EFECKT	Mixing partner	Application rate
	2 litres/ha +	chloridazon*	1.7 kg/ha or 2.5 litres/ha on light soils 2.2 kg/ha or 3.3 litres/ha on medium soils
or	2 litres/ha +	lenacil*	0.9 litre/ha on light soils 1.3 litres/ha on medium soils

Timing
At or as soon as possible after drilling, but before emergence of crop and weeds.

* See 'Compatibility' section for further information about the possible mixing partners of EFECKT.

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

2. **Post-Emergence Applications**
Where no pre-emergence application with products based on ethofumesate is made, EFECKT 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.

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

Split Treatment – Two Applications, in Combination with Phenmedipham

Dose 0.6 litres/ha EFECKT + 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 EFECKT.

GRASSLAND (SEED CROPS)

EFECKT controls shepherd's purse, common chickweed and annual meadow grass in established grassland of perennial ryegrass *(Lolium perenne)* and tall fescue *(Festuca arundinacea)* grown for seed cultivation.

Annual meadow grass – susceptible.
Common chickweed – susceptible.
Shepherd's purse – moderately resistant.

Dose 2 L/ha

Timing
EFECKT may be sprayed in established grassland grown for seed production when the grass has started to regrow or the grass has hardened after cutting.
Apply after the harvest of any cover crop. Do not repeat the treatment. Spray onto a healthy crop only.

Best results are obtained if EFECKT is applied to a vigorous competitive crop where some growth is occurring in moist soil and when further rain falls within 10 days of spraying. The crop and weeds must be at the correct stage when sprayed. This is normally between mid-October and mid-December.

Applications may be made up to the end of February in Avon, Berkshire, Cornwall, Devon, Dorset, Gloucestershire, Hampshire, Kent, Oxfordshire, Somerset, Surrey, Sussex and Wiltshire, up to the end of March in the remainder of England, Wales and Northern Ireland and up to mid-April in Scotland. Common chickweed will be controlled by applications up to mid-April in all regions provided rapid growth has not started and application ensures that a reasonably high proportion of the spray reaches the soil.

Any clover present will be killed or severely checked. Do not overlap spray swaths.
No guarantee is given that certification of seed will be obtained after using EFECKT.

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 HGCA, 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 3 months after applying combinations with EFECKT 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 EFECKT. 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 EFECKT.

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.upleurope.com).

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 the 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.

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

http://www.upleurope.com/product-list.html

Alternatively, contact your local supplier.

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SHAKE WELL BEFORE USE
PROTECT FROM FROST

For Batch Number and Manufacturing Date see bottle.

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

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