

# Butryflow

A suspension concentrate containing 402 g/l bromoxynil present as a mixture of the butyrate, phenol and octanoate esters.

**BUTRYFLOW is recommended for use as a selective weedkiller in forage maize, grain maize and sweet corn for the control of a wide range of annual broad-leaved weeds.**

## PRODUCT BENEFITS

- Based on bromoxynil butyrate which has shown excellent safety to the maize crop.
- Flexible dose rate according to weeds present.
- One of a limited number of post-emergence contact herbicides for maize.
- Can be used in forage maize, grain maize and sweet corn.
- Controls difficult weeds such as Fat hen, Knotgrass and Black nightshade.

**LERAP category:** B

**Pack size:** : 5 litres

**Storage:** PROTECT FROM FROST



**IMPORTANT INFORMATION**

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE.

<b>Crop</b>	<b>Maximum individual dose</b>	<b>Maximum total dose</b>	<b>Latest time of application</b>
Forage maize, grain maize, sweetcorn (outdoor)	1.0 l/ha	1.0 l/ha	Before nine fully expanded leaves (GS19)

**Other specific restriction:**

- This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for inspection for three years.

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.

MAPP 14056

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

## 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.**

### WEEDS CONTROLLED

Applied as post-emergence herbicide in maize and sweetcorn, BUTRYFLOW controls a wide range of annual broad-leaved weeds, especially young seedlings. The treatment must be made when the weeds are between the cotyledon stage and the six-leaf stage.

Bindweed, black	S
Bindweed, field	S*
Chickweed, common	MR
Dock, broad-leaved	R
Fat hen	S*
Knotgrass	S
Nightshade, black	S*
Orache, common	S*
Redshank	MS

S = Susceptible MS = Moderately Susceptible MR = Moderately Resistant R = Resistant  
S\* = very susceptible species which will be controlled by a dose of 0.6 l/ha BUTRYFLOW under optimum conditions (warm moist soils and bright sunshine).

### CROP SPECIFIC INFORMATION

#### FORAGE MAIZE, GRAIN MAIZE AND SWEETCORN

##### *Dose rate*

1.0 l/ha.

##### *Timing*

Apply from the two leaf stage of the crop up to the eight leaf stage (GS 12–18). The period of treatment must be determined by the growth of the weeds rather than by the growth of maize. The duration of protection covers the whole period when maize is susceptible to weed competition.

##### *Water volume*

Apply in 200 litres of water per hectare.

### MIXING AND SPRAYING

Partly fill the tank with water to a level of approximately a third of total, and then start agitation. Add the required quantity of BUTRYFLOW to the tank. Maintain agitation during treatment.

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

### TANK CLEANING

Wash spray equipment and container thoroughly with alkaline solution.

Rinse twice through the system with pump to ensure that all pipes and nozzles are rinsed thoroughly.

### COMPATIBILITY

Should not be mixed with other pesticides without first making a compatibility test. Consult the manufacturer's labels and leaflets for use recommendations.

## WEED RESISTANCE

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 resistant to a herbicide if it survives a correctly-applied treatment at the recommended dose.

Development of resistance within a weed species can be avoided or delayed by alternating (or tank mixing) with suitable products having a different mode of action.

Key aspects of the BUTRYFLOW weed resistance management strategy are:

- Always follow the WRAG guidelines for preventing and managing herbicide resistance.
- BUTRYFLOW is a nitrile herbicide (HRAC Code C3) whose mode of action is via membrane disruption caused by activated oxygen radicals formed by photosynthesis. Do not use BUTRYFLOW, or any other C3 herbicide, as a sole means of broad-leaved weed control in successive crops.
- Always use broad-leaved weed herbicides with other modes of action throughout the crop rotation.
- Always monitor weed control effectiveness and investigate any occurrences of poor effectiveness. If unexplained contact your agronomist who may consider a resistance test appropriate.

**BUTRYFLOW**

**A suspension concentrate containing 402 g/l bromoxynil present as a mixture of the butyrate, phenol and octanoate esters.**

**HARMFUL****DANGEROUS FOR THE ENVIRONMENT**

**HARMFUL BY INHALATION AND IF SWALLOWED.**

**MAY CAUSE SENSITISATION BY SKIN CONTACT.**

**POSSIBLE RISK OF HARM TO UNBORN CHILD.**

**VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.**

THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY.

WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.

USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION.

DO NOT CONTAMINATE WATER WITH PRODUCT OR ITS CONTAINER.

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDSTUFFS.

**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, APRON) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

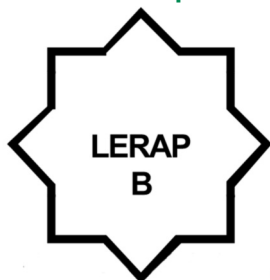
DO NOT APPLY by knapsack sprayer.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

AVOID ALL CONTACT WITH SKIN AND EYES.

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

## Environmental protection



DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within five metres of the top of the bank of a static or flowing waterbody, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone or within one metre of the top of a ditch which is dry at the time of application. Direct spray away from water.

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LERAP must be carried out in accordance with CRD published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for inspection for three years.

## Storage and disposal

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDSTUFFS.

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.

STORE IN ORIGINAL CONTAINER, tightly closed, in a safe place.

DO NOT RE-USE CONTAINER for any purpose.