

HERBICIDE



Net content: **5Le**

**A contact herbicide for selective use in maize (forage and grain).**

**FOR PROFESSIONAL USE ONLY  
FOR USE ONLY AS AN AGRICULTURAL  
HERBICIDE**

Emulsifiable concentrate (EC) formulation containing 600 g/L pyridate.

MAPP No.: 17875

GROUP	C3	HERBICIDE
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**24-hour emergency number: 0032 14 58 45 45**

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

**UN1993**



This label is compliant with the CPA Voluntary Initiative Guidance

Production date / Batch number: see packaging

Marketing company:  
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GYO is a trademark of Belchim Crop Protection NV/SA



Approval holder: **Belchim Crop Protection NV/SA**  
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## WARNING



**GYO™** - emulsifiable concentrate (EC) containing 600 g/L pyridate.

UFI: 75Q0-Q0MG-W00K-G18T

**H226** Flammable liquid and vapour

**H315** Causes skin irritation

**H317** May cause an allergic skin reaction

**H319** Causes serious eye irritation

**H410** Very toxic to aquatic life with long lasting effects

**P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**P280** Wear protective gloves/protective clothing/eye protection

**P302+P352** IF ON SKIN: Wash with plenty of water

**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P501** 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

**EUH401** To avoid risks to human health and the environment, comply with the instructions for use.

**SP1** 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.

**SPe3** To protect aquatic organisms respect an unsprayed buffer zone of 12 metres to surface water bodies in line with LERAP requirements.

### Important Information FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crop	Maximum individual dose (L product/ha)	Maximum total dose (L product/ha/crop)	Latest time of application
Maize (forage and grain)	0.75	1.5	BBCH 18: Before 8 leaf stage

**Other specific restrictions:**

- 1) This product must not be applied via hand-held equipment.
- 2) Buffer zones greater than 5m are NOT eligible for buffer zone reduction under the LERAP scheme.
- 3) Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Division's website. These operating conditions must be maintained until 30m from the top of the bank of any surface water bodies.
- 4) Applications must not be made before 15th May.

**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.**

Crops/situations:	Aquatic buffer zone distance (metres):	Comments
Forage maize, grain maize	12	See Environmental Protection Phrases 1 & 2

## 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.

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

- WASH CONCENTRATE from skin or eyes immediately.
- WASH HANDS AND EXPOSED SKIN before meals and after work.
- WHEN USING DO NOT EAT, DRINK OR SMOKE.

### Environmental protection

- To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements. **HORIZONTAL BOOM SPRAYERS MUST BE FITTED WITH THREE STAR DRIFT REDUCTION TECHNOLOGY.** Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Division's website. Maintain three star operating conditions until 30m from the top of the bank of any surface water bodies.

- Crops/situations with >5m buffer zone: Since there is a risk to aquatic life from use, do not allow direct spray from horizontal boom sprayers to fall within 12m of the top of the bank of any static or flowing water body, or within 1m of the top of a ditch which is dry at the time of application. Aim spray away from water.
- Buffer zones must be measured in accordance with the guidance set out in the booklet 'Local Environment Risk Assessment for Pesticides – Horizontal Boom Sprayers' available from the HSE Chemicals Regulation Division's website and any amendments made to it.
- The results of the LERAP must be recorded in written form and must be available for a period of three years for inspection to any person entitled to exercise enforcement powers under or in connection with the Plant Protection Products Regulations 2011 or the Plant

Protection Products (Sustainable Use) Regulations 2012. (An electronic record will satisfy the requirement for a written record, providing it is similarly available for inspection and can be copied).

- THIS PRODUCT IS NOT ELIGIBLE FOR BUFFER ZONE REDUCTION UNDER THE LERAP HORIZONTAL BOOM SPRAYERS SCHEME.
- Do not contaminate water with the product or its container. Do not clean application equipment near surface water and avoid contamination via drains from farmyards and roads.
- EXTREME CARE must be taken to avoid spray drift onto non-crop plants outside of the target area.

### Storage and disposal

- KEEP OUT OF REACH OF CHILDREN.
- KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
- KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

### Resistance strategy

Weed control may be reduced if resistant strains develop to pyridate. To prevent the development of resistance, GYO should not be used continuously or as the sole method of weed control. Consideration should be given to alternation of products having a different mode of action (from a different chemical HRAC Group) with satisfactory efficacy against the targeted pest. Pyridate is classified as belonging to HRAC Group C3.

### Restrictions:

- Apply only on dry crops
- The temperature of the diluted spray solution and air should be above 10°C at spraying
- Overdosing (spray boom overlap) and spray drift should be avoided
- Do not apply to crops under stress e.g. from drought, nutrient deficiency or where a previous treatment has de-waxed the leaves
- Do not apply during periods when night temperatures are consistently below 2°C or when day temperatures exceed 18°C.

### FOLLOWING CROPS

There is no restriction on following crops after application of GYO, even in crop failure situations. Soil cultivation is not necessary.

## 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.

GYO is a contact herbicide with no residual or systemic activity. Application should be made when all weeds have emerged, provided that the crop is within the correct stage of growth and not under stress. Best results are obtained from a fine to medium spray applied whilst the weeds are small and actively growing and before the crop forms a canopy of foliage over the weeds. When the crop canopy is protecting the weeds, spray volume should be increased.

### Weeds controlled

Under optimum conditions when weeds are actively growing, the following weeds are controlled by a 2-spray programme of GYO:

#### Susceptible to GYO:

Annual mercury (up to 4 true leaf stage)  
Black nightshade (up to 3 true leaf stage)  
Common amaranth (up to 3 true leaf stage)  
Common chickweed (up to 4 true leaf stage)  
Common orache (up to 3 true leaf stage)  
Fat hen (up to 4 true leaf stage)  
Red deadnettle (up to 4 true leaf stage)

#### Moderately susceptible to GYO:

Cleavers (up to 4 true leaf stage)

#### Moderately resistant to GYO:

Black bindweed (up to 3 true leaf stage)  
Ivy-leaved speedwell (up to 1 true leaf stage)

For optimum control the weeds should be treated before the 4 leaf stage and when the ambient daytime temperature is above 10°C. Do not apply during periods when night temperatures are consistently below 2°C or when day temperatures exceed 18°C. Weeds not emerged at the time of application will not be controlled.

## APPLICATION

### Maize

**Timing:** Apply GYO between the 2 leaf and the 8 leaf stage of the maize crop. Applications should be made before the 8 leaf stage (GS BBCH 18) and never before

the 2 leaf stage (GS BBCH 12).

**Dose:** Apply GYO as a sequence of two applications of 0.75 L/ha with an interval of 7 days between the two applications.

Maximum total dose per crop: 1.5 L/ha.

### Tank mixtures and sequences

Consult Belchim Crop Protection Ltd for information regarding any tank mixtures and sequences.

## PREPARATION OF THE SPRAY SOLUTION

Half fill the spray tank with clean water and begin agitation. Add the required quantity of GYO to the tank and complete filling. Continue agitation until spraying is completed. Thoroughly wash all spray equipment with water and a wetting agent immediately after use.

### Water volume

Apply in a water volume of 200 to 400 litres water per hectare at a minimum pressure of 2 bars. Good spray coverage is essential for effective weed control.

### Spray nozzles

A FINE to MEDIUM quality spray (as defined by BCPC) is preferred for application of GYO. Choice of nozzle is determined by consulting manufacturer's literature and selecting a nozzle that produces the required quality spray at an output consistent with the nozzle spacing on the boom, chosen forward speed, required spray volume and operating in the range 2-3 bar.

**WARRANTY:** The seller makes no warranty, expressed or implied, concerning the use of the product other than indicated on the label. The purchaser and user shall assume all risk associated with the use and/or handling and/or storage of the product if this use and/or handling and/or storage are carried out contrary to label instructions.

**DAMAGES:** Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damage not exceeding the purchase price of the product, and shall not include incidental or consequential damages.

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To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



WEBLINK to specific data sheet on manufacturer's website:

[http://www.belchim.co.uk/pdf/MSDS/Gyo\\_MSDS.pdf](http://www.belchim.co.uk/pdf/MSDS/Gyo_MSDS.pdf)

Alternatively, contact your supplier.

**SPECIMEN**

**WARNING**



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