

# Environmental Information Sheet

**Zephyr<sup>®</sup> MAPP 13174**



A suspension concentrate formulation containing 175 g/l prothioconazole and 88 g/l trifloxystrobin. A fungicide for the control of foliar and ear disease in wheat, durum wheat, triticale, rye and barley.

**Maximum individual dose :** Winter and spring wheat, durum wheat, triticale and rye: 1.0 litres of product per hectare  
barley: 0.75 litres of product per hectare

**Maximum total dose:** Winter and spring wheat, durum wheat, triticale and rye: 2.0 litres of product per hectare per crop.  
Barley: 1.5 litres of product per hectare per crop.

Section	Profile
<b>1. WILDLIFE</b>  <b>Mammals and Birds</b>	<p>Zephyr is not classified as “<i>Harmful to game, wild birds and animals.</i>”</p> <p>No risk management is necessary to protect mammals and birds. Zephyr is of low/moderate toxicity to mammals and birds.</p> <p>The risk to wild mammals and birds grazing on treated areas is low, as is the risk due to exposure from other routes, e.g. consumption of earthworms or other invertebrates such as insects.</p>
<b>2. BEES</b>	<p>No risk management necessary.</p> <p>Zephyr is of low risk to honeybees and there is no requirement to avoid application of the product when bees may be foraging on flowering weeds.</p>
<b>3. NON TARGET INSECTS AND OTHER ARTHROPODS</b>	<p>No risk management necessary.</p> <p>The use of Zephyr poses a low risk to a range of arthropod species commonly found in and around treated fields, e.g. ground beetles, lady birds and aphid parasitoids.</p>
<b>4. AQUATIC LIFE</b>	<p>Zephyr is classified as <i>Very toxic to aquatic life with long lasting effects. Do not contaminate water with the product or its container.</i> (Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads). Trifloxystrobin is highly toxic to fish, aquatic invertebrates and algae.</p> <p>Risk management essential</p> <p><i>*DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water.</i></p> <p>LERAP Category B. Buffer zone may be reduced</p>

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<b>5. SOIL and GROUNDWATER</b>	Trifloxystrobin is of low persistence and mobility in soil. Prothioconazole is non-persistent and has low mobility in soil. The use of Zephyr according to the label presents a low risk to groundwater
<b>Earthworms</b>	Trifloxystrobin and prothioconazole are of low toxicity to earthworms. Zephyr poses a low risk to earthworms. No risk management necessary
<b>Soil Micro-organisms</b>	Zephyr is of low risk to soil micro-organisms. No risk management necessary in order to prevent risks to the processes of soil respiration and nitrogen turnover.
<b>6. NON-TARGET PLANTS</b>	The recommended use of Zephyr is not expected to have adverse effects on non-target plants when used as recommended.

Use plant protection products safely. Always read the label and product information before use. For further product information including warning phrases and symbols refer to [www.cropscience.bayer.co.uk](http://www.cropscience.bayer.co.uk)

Care must be taken to minimise the risk of surface water contamination from farmyard and field sources.

To reduce the risk of resistance developing in target diseases the total number of applications of products containing QoI fungicides made to any cereal crop must not exceed two.

For further information about the environmental profile of this product contact:

**Bayer CropScience Limited**  
**230 Cambridge Science Park**  
**Milton Road**  
**Cambridge**  
**CB4 0WB**

Bayer CropScience Assist Technical Help-Line: 0808 1969522

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