

# Environmental Information Sheet

**ZULU** MAPP 16028



An EC formulation containing 125 g/litre isopyrazam a foliar fungicide for use on winter and spring barley.

Maximum application rate: 1.0 litres/product/ha

Maximum no. of applications: 2

Section	Profile
<p><b>1. WILDLIFE</b></p> <p><b>Mammals and Birds</b></p>	<p>Zulu 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. Zulu is of low toxicity to mammals and birds. The risk to wild mammals and birds feeding on treated areas is low due to the limited amount of residues likely to be consumed.</p>
<p><b>2. BEES</b></p>	<p>No risk management is necessary. Zulu is of low risk to honey bees.</p>
<p><b>3. NON TARGET INSECTS AND OTHER ARTHROPODS</b></p>	<p>No risk management is necessary. Zulu poses a low risk to a range of arthropod species commonly found in and around treated fields, including predatory beetles, predatory mites and parasitic wasps.</p>
<p><b>4. AQUATIC LIFE</b></p>	<p>Zulu is classified as ‘<i>Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment</i>’.</p> <p>Zulu is extremely toxic to aquatic invertebrates and fish, it is also moderate toxicity to algae. Care must be taken to ensure that surface waters or ditches are not contaminated with the product or the used container.</p> <p>Risk management is essential. Zulu can be used safely providing care is taken to prevent spray drift reaching surface waters. The following risk management practices must be carried out in order to ensure that there is adequate protection for aquatic species:  ‘<i>Do not allow direct spray from horizontal boom sprayers to fall within 5m 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 1m 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 (see LERAP Guidelines).</p>

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<b>5. SOIL and GROUNDWATER</b>  <b>Earthworms</b>  <b>Soil Micro-organisms</b>	Isopyrazam is very persistent in soil under field conditions. Isopyrazam is absorbed to soil and therefore has low mobility in soil. Consequently there is a low risk of groundwater contamination.  Zulu is of low toxicity to earthworms and the risk to earthworms is low, and so risk management is not necessary.  Zulu is unlikely to have any long-term effect on soil microbial activity. The risk is therefore considered to be low. No risk management necessary.
<b>6. NON-TARGET PLANTS</b>	When used as recommended, Zulu is not expected to have adverse effects on non-target plants.

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.syngenta-crop.co.uk](http://www.syngenta-crop.co.uk)).

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

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

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This Environmental Information Sheet was prepared in accordance with CPA Guidance Notes Version 4.

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