

Environmental Information Sheet

QUIRINUS MAPP 17711



A suspension concentrate formulation containing 50 g/l picolinafen (pyridinecarboxamide herbicide) and 240 g/l flufenacet (oxyacetamide herbicide) for use in winter cereals.
 Maximum application rate: 1 litre/hectare (50g + 240 g a.s./ha)
 Maximum number of treatments: One

Section	Profile
<p>1. WILDLIFE</p> <p>Mammals and Birds</p>	<p>Quirinus is not classified as '<i>Harmful to game, wild birds and animals</i>'. No risk management is necessary to protect mammals and birds. Picolinafen is of low toxicity to birds and mammals. Flufenacet is of moderate toxicity to mammals and birds The risk to wild mammals and birds grazing on treated areas is low due to the limited amount of residues likely to be consumed.</p>
<p>2. BEES</p>	<p>No risk management necessary. Quirinus is of low risk to bees.</p>
<p>3. NON TARGET INSECTS AND OTHER ARTHROPODS</p>	<p>No risk management necessary. Quirinus poses a low risk to a range of arthropod species commonly found in and around treated fields, including predatory insects and ground beetles.</p>
<p>4. AQUATIC LIFE</p>	<p>Quirinus is "<i>Very toxic to aquatic life with long lasting effects</i>". Picolinafen is extremely toxic to aquatic invertebrates, fish and algae. Flufenacet is moderately toxic to aquatic invertebrates and algae and highly toxic to fish. '<i>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</i>'. Risk management is essential. Quirinus can be used safely providing care is taken to prevent spray drift reaching surface waters. The following risk management practices must be carried out: "<i>To protect aquatic organisms respect an unsprayed buffer zone of 6m to surface water bodies and use 3 star drift reduction technology. Horizontal boom sprayers must be fitted with three star drift reduction technology</i>". '<i>These crops are not eligible for buffer zone reduction under the LERAP horizontal boom sprayers scheme</i>'.</p>

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<p>5. SOIL and GROUNDWATER</p> <p>Earthworms</p> <p>Soil Micro-organisms</p>	<p>No risk management necessary. Picolinafen is moderately persistent in soil. It is strongly bound to soil and can be considered not mobile. Flufenacet is moderately persistent in soil but of low to moderate mobility in soil. Use of Quirinus according to the label presents a low risk to groundwater.</p> <p>No risk management necessary. Quirinus is of moderate toxicity to earthworms but when used as recommended the risk to earthworms is low.</p> <p>No effects on soil microbial processes were found so the risk to soil micro-organisms is considered low. No risk management is necessary.</p>
<p>6. NON-TARGET PLANTS</p>	<p>Quirinus is a herbicide for control of grass and broad-leaved weeds. <i>'Extreme care is required to avoid spray drift on to neighbouring crops and plants outside the target area'</i>.</p> <p>Care should be taken to minimise drift of Quirinus onto conservation headlands, beetle banks and field boundaries such as hedgerows, which may provide an important habitat for wild flowers.</p>

ALWAYS READ THE LABEL: USE PESTICIDES SAFELY

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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