

# Environmental Information Sheet

## Pacifica® Plus MAPP 17272



A water dispersible granule formulation containing 30g/kg mesosulfuron-methyl, 10g/kg iodosulfuron-methyl-sodium and 50 g/kg amidosulfuron, a combination of three sulfonylurea herbicides with foliar and some root activity against grass weeds and some broad-leaved weeds in winter wheat.

Maximum application rate: 0.5 kg product/ha

Maximum total dose: 1 per crop

Section	Profile
<b>1. WILDLIFE</b>  <b>Mammals and Birds</b>	<p>Pacifica Plus 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. Pacifica Plus is of low toxicity to birds and low toxicity to mammals. 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>Pacifica Plus is of low risk to bees. There is no requirement to avoid application of Pacifica Plus 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>Pacifica Plus poses low risk to a range of arthropod species commonly found in and around treated fields for example ground beetles, ladybirds, spiders and aphid parasitoids.</p>
<b>4. AQUATIC LIFE</b>	<p>Pacifica Plus is <i>"Very toxic to aquatic life with long lasting effects. Do not contaminate water with the product or its container"</i>.</p> <p>Risk management is essential.</p> <p>Pacifica Plus is extremely toxic to aquatic plants, highly toxic to algae, and moderately toxic to fish and aquatic invertebrates. However, the product may be used safely providing care is taken to prevent spray drift reaching surface waters. The following risk management practices must be carried out:</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 waterbody, unless a Local Environmental Risk Assessment for Pesticides</i></p>

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<b>4. AQUATIC LIFE</b>	<p><i>(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><i>LERAP Category: Buffer zone may be reduced</i></p> <p><i>"Doses above 0.4 kg/ha must only be applied between 1 March in the year of harvest and the specified latest time of application."</i></p>
<b>5. SOIL and GROUNDWATER</b>	<p>Mesosulfuron-methyl is moderately persistent and moderately mobile in soil. Iodosulfuron-methyl-sodium is impersistent in soil and highly mobile; its major, herbicidally-active metabolite metsulfuron-methyl is moderately persistent in soil and highly mobile. Field investigations indicate that in practice there is a low risk to groundwater where the product is used according to the label. Amidosulfuron is of low persistence in soil and highly mobile. No risk management is necessary.</p>
<b>Earthworms</b>	No risk management is necessary. Pacifica Plus is of moderate toxicity to earthworms.
<b>Soil Micro-organisms</b>	No risk management is necessary. Pacifica Plus is of low toxicity to soil micro-organisms
<b>6. NON-TARGET PLANTS</b>	<p>Pacifica Plus is a broad spectrum, highly active herbicide. Therefore, there is a potential risk to non-target plants adjacent to the treated area.</p> <p><i>'Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area'.</i></p>

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)

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

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