

Environmental Information Sheet

Horus® MAPP 16216



An oil dispersion formulation containing 10 g/L mesosulfuron-methyl and 2 g/L iodosulfuron-methyl-sodium, a combination of two sulfonylurea herbicides with foliar and some root activity against grass weeds and some broad-leaved weeds in winter wheat.

Maximum application rate: 1.2 L product/ha

Maximum total dose: 1 per crop

Section	Profile
1. WILDLIFE Mammals and Birds	<p>Horus 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. Horus 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>
2. BEES	<p>No risk management necessary</p> <p>Horus is of low risk to bees. There is no requirement to avoid application of Horus when bees may be foraging on flowering weeds.</p>
3. NON TARGET INSECTS AND OTHER ARTHROPODS	<p>No risk management necessary.</p> <p>Horus 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>
4. AQUATIC LIFE	<p>Horus 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>Horus is extremely toxic to aquatic plants, and highly toxic to fish, algae 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>

Environmental Information Sheet

Horus® MAPP 16216



Section	Profile
4. AQUATIC LIFE	<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 Environmental 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. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing waterbody. Aim spray away from water.</i></p> <p><i>LERAP Category B. Buffer zone may be reduced</i></p>
5. SOIL and GROUNDWATER	<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. No risk management is necessary.</p>
Earthworms	No risk management is necessary. Horus is of low toxicity to earthworms.
Soil Micro-organisms	No risk management is necessary. Horus is of low toxicity to soil micro-organisms
6. NON-TARGET PLANTS	<p>Horus 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>'Take extreme care to avoid drift onto crops and non-target plants outside 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

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

Horus® is a registered trademark of Bayer
 © Bayer CropScience Limited 2013