

Environmental Information Sheet

CLERANDA MAPP 15036



A suspension concentrate containing 17.5 g/litre imazamox (pyridine carboxylic acid) and 375 g/litre metazachlor (chloroacetamide herbicide) for use in Clearfield winter oilseed rape.
 Maximum individual dose: 2.0 l product/ha
 Maximum number of treatments: One per crop.

Section	Profile
<p>1. WILDLIFE</p> <p>Mammals and Birds</p>	<p>Cleranda is not classified as <i>“Harmful to game, wild birds and animals”</i>.</p> <p>No risk management necessary to protect wild mammals and birds. Metazachlor is of low toxicity to mammalian and bird species. Imazamox is of moderate toxicity to bird species and low toxicity to mammal species.</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 invertebrates such as insects.</p>
<p>2. BEES</p>	<p>No risk management is necessary. Cleranda is of low risk to bees.</p>
<p>3. NON TARGET INSECTS AND OTHER ARTHROPODS</p>	<p>No risk management is necessary. Cleranda is of low risk to a range of arthropod species commonly found in and around treated fields, e.g. ground beetles, spiders, lacewings, aphid parasitoids and predatory mites.</p>
<p>4. AQUATIC LIFE</p>	<p>Cleranda is classified as <i>“VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS”</i>.</p> <p>Cleranda is of moderate toxicity to aquatic invertebrates, moderately toxic to fish and extremely toxic to algae and aquatic plants, e.g. duckweed.</p> <p><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></p> <p><i>To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.</i></p> <p><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 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. 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 water body.</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. Metazachlor is of low persistence in soil with moderate mobility. Imazamox is of low persistence in soil with high mobility. Higher tier studies have shown that concentrations of metazachlor and imazamox in groundwater will be below 0.1 µg/l.</p> <p>Cleranda is of low toxicity to earthworms, no risk management necessary.</p> <p>No risk management necessary. At the recommended application rate, Cleranda has no effects on soil microbial respiration or nitrogen turnover. The risk to soil microbial activity is therefore low.</p>
<p>6. NON-TARGET PLANTS</p>	<p><i>“Extreme care is required to avoid spray drift on to neighbouring crops and plants outside the target area.”</i></p> <p>Cleranda is an herbicide with activity against a range of grasses and broadleaved weeds and may be harmful to species of wild flowers and also other crops which are not Clearfield oilseed rape varieties. Therefore care should always be taken to minimise drift when applying Cleranda close to field boundaries.</p>

ALWAYS READ THE LABEL: USE PESTICIDES SAFELY

Cleranda contains metazachlor: A maximum total dose of not more than 1000 g metazachlor/hectare may be applied in a three-year period on the same field.

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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