

Environmental Information Sheet

LASER MAPP 17339



An emulsifiable concentrate containing 200 g/l cycloxydim (cyclohexanedione oxime herbicide) for use in various crops.

Maximum application rate: 2.25 litres product/ha (450 g a.s./ha).

Maximum number applications: 1 per crop.

Section	Profile
1. WILDLIFE Mammals and Birds	Laser is not classified as <i>"Harmful to game, wild birds and animals"</i> . No risk management necessary to protect wild mammals and birds. Cycloxydim, the active substance in Laser, is of low toxicity to mammalian and bird species. The risk to wild mammals and birds grazing on treated areas is low, as is the exposure from other routes e.g. consumption of insects.
2. BEES	No risk management necessary. Laser is of low risk to bees.
3. NON TARGET INSECTS AND OTHER ARTHROPODS	No risk management necessary. Laser is of low risk to a range of arthropods species commonly found in and around treated fields including predatory mites, spiders, ground beetles and aphid parasitoids.
4. AQUATIC LIFE	Laser is classified as <i>"Toxic to aquatic life with long lasting effects"</i> . Laser is moderately toxic to fish, algae, aquatic invertebrates e.g. water flea and aquatic plants. <i>"Do not contaminate surface waters or ditches with chemical or used container."</i> No risk management necessary. When Laser is used according to the label instructions there will not be sufficient contamination of water to present a risk to aquatic life. Laser is not categorised under the LERAP scheme.

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<p>5. SOIL and GROUNDWATER</p> <p>Earthworms</p> <p>Soil Micro-organisms</p>	<p>No risk management necessary. Cycloxydim is impersistent in soil but is highly mobile. However, use of Laser according to the label is of low risk to groundwater.</p> <p>No risk management necessary. Laser is of moderate toxicity to earthworms.</p> <p>No risk management necessary. No effect on soil microbial processes were found and so the risk is considered to be low.</p>
<p>6. NON-TARGET PLANTS</p>	<p>Laser is a herbicide with activity against grass weeds and may be harmful to some species which are found in the margins of fields. Therefore care should always be taken to minimise drift when applying Laser close to field boundaries.</p> <p><i>“Extreme care must be taken to avoid spray drift onto non-crop plants outside the target area”</i></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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