

Environmental Information Sheet

MANTRA MAFF/MAPP 11728



A suspo-emulsion containing 125 g/l kresoxim-methyl (strobilurin fungicide) plus 125 g/l epoxiconazole (triazole fungicide) plus 150 g/l fenpropimorph (morpholine fungicide) for use in cereals.

Maximum application rate: 1.0 litre/ha (125 g + 125 g + 150 g a.s./ha)

Maximum Number of treatments: Two (250 g + 250 g + 300 g a.s./ha)

| Section | Profile |
|---|---|
| <p>1. WILDLIFE</p> <p>Mammals and birds</p> | <p>Mantra 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. The three active substances in Mantra are of low toxicity to mammals and birds. The risk to wild mammals and birds feeding 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. Mantra is of low risk to bees.</p> |
| <p>3. NON TARGET INSECTS AND OTHER ARTHROPODS</p> | <p>No risk management necessary.</p> <p>Mantra poses a low risk to a range of arthropod species commonly found in and around treated cereal fields, including ground beetles, lacewings and aphid parasitoids.</p> |
| <p>4. AQUATIC LIFE</p> | <p>Mantra is classified as "<i>Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.</i>"</p> <p>Mantra is extremely toxic to algae and aquatic invertebrates e.g. water flea, and highly toxic to fish. "<i>Do not contaminate surface waters or ditches with chemical or used container.</i>"</p> <p>Risk management is essential. Mantra can be used safely providing care is taken to prevent spray drift reaching surface waters. The following risk management practices must be carried out in order to ensure that there is adequate protection of aquatic species.</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 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. Aim spray away from water."</i></p> <p>LERAP Category B. Buffer zones maybe reduced (see LERAP Guidelines).</p> |

Environmental Information Sheet

MANTRA MAFF/MAPP 11728



| Section | Profile |
|---|--|
| <p>5. SOIL and GROUNDWATER</p> <p>Earthworms</p> <p>Soil Micro-organisms</p> | <p>Epoxiconazole is very persistent in soil and is of low mobility. Kresoxim-methyl is moderately persistent in soil and is moderately mobile. Fenpropimorph is moderately persistent and is adsorbed to soil and is therefore not mobile</p> <p>No risk management necessary. Use of Mantra as recommended presents low risk to groundwater.</p> <p>No risk management necessary. Kresoxim-methyl is of moderate toxicity to earthworms. Epoxiconazole is of low toxicity to earthworms and field studies have also demonstrated it is unlikely to have any adverse effect on earthworm populations in the long-term. Mantra and fenpropimorph are of low toxicity to earthworms. Use of Mantra as recommended presents low risk to earthworms.</p> <p>No risk management necessary. No effects on soil microbial processes were found and so the risk is considered low.</p> |
| <p>6. NON-TARGET PLANTS</p> | <p>Mantra may cause damage to some broadleaved plant species.</p> <p><i>“This product may cause damage to broad-leaved plant species”.</i> <i>“Avoid spray drift on to neighbouring crops”.</i></p> <p>Care should be taken to minimise the drift of Mantra into 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:-

BASF plc, P.O. Box 4, Earl Road, Cheadle Hulme, Cheshire SK8 6QG
Telephone: 0161 485 6222 Fax: 0161 486 0891

This Environmental Information Sheet was prepared in accordance with CPA Guidance Notes Version 4.

© copyright of BASF plc