

Environmental Information Sheet

Lorsban WG MAPP 10139



A 750g/kg WG formulation containing chlorpyrifos, an organophosphate insecticide, for use in horticultural crops.

Maximum application rate: 1.2kg/ha (0.9kg a.s./ha) up to three times per year.

Section	Profile
<p>1. WILDLIFE</p> <p>Mammals and Birds</p>	<p>Lorsban WG is not classified as <i>"Harmful to game and wildlife"</i>. No risk management is necessary to protect wild mammals and birds.</p> <p>Lorsban WG, is of moderate toxicity to mammalian species and of high to moderate toxicity to birds. The risk to wild mammals and birds feeding on treated areas is low due to the low persistence of chlorpyrifos in the environment and the rapid decline of residues from the diet.</p>
<p>2. BEES</p>	<p>Lorsban WG is <i>"Dangerous to bees"</i>. Risk management is essential. <i>"Do not apply to crops in flower or to those in which bees are actively foraging. Do not apply when flowering weeds are present. In top fruit crops use pre-blossom up to pink/white bud or post blossom after petal fall."</i> Chlorpyrifos has a low risk to bee brood.</p>
<p>3. NON TARGET INSECTS AND OTHER ARTHROPODS</p>	<p>Lorsban WG is a broad spectrum insecticide and can adversely affect non-target insect species. Field studies have shown that effects are transitory and that populations start to recover within weeks. The speed of recovery depending on their annual cycles, their mobility and the availability of their prey.</p> <p>Precautions should be taken to minimise spray reaching hedgerows and conservation headlands. Risk management is advised. The best available application technique, which minimises off-target drift should be used to reduce effects on non-target insects or other arthropods.</p>
<p>4. AQUATIC LIFE</p>	<p>Lorsban WG is <i>"Extremely dangerous to fish or other aquatic life. Do not contaminate surface waters or ditches with chemical or used container"</i>. Risk management is essential. Whilst the toxicity of Lorsban WG to aquatic invertebrates and fish is high, the product may be used safely providing care is taken to minimise spray drift reaching surface waters.</p> <p>The following risk management practices must be carried out: <i>"Do not allow direct spray from broadcast air-assisted spraying equipment to fall within 18 metres of surface waters or ditches; direct spray away from water. Do not allow direct spray from ground crop sprayers to fall within 5 metres of the top of the bank of any static or flowing water body, or 1 metre from the top of any ditch which is dry at the time of application. Do not allow direct spray from hand-held sprayers to fall within 1 metre of the top of the bank of any static or flowing water body. Direct spray away from water"</i>.</p>

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<p>4. AQUATIC LIFE (Continued)</p>	<p>If accidental contamination does occur sensitive invertebrate species may be affected initially but the populations of most are likely to recover within a few weeks. Long-term effects on the aquatic environment are unlikely to occur. Lorsban WG is unlikely to have any adverse effects on algae and aquatic plants.</p> <p>LERAP Category A. Buffer zone may not be reduced.</p>
<p>5. SOIL and GROUNDWATER</p> <p>Earthworms</p> <p>Soil Micro-organisms</p>	<p>Chlorpyrifos has moderate persistence in soil. Initial breakdown may be faster in calcareous soils. Soil micro-organisms then degrade the residues to carbon dioxide. Chlorpyrifos is strongly bound to soil and can be considered not mobile. Consequently, there is a low risk of groundwater contamination.</p> <p>No risk management necessary. Lorsban WG is moderately toxic to earthworms. At recommended application rates, however, the risk to earthworms is low.</p> <p>No risk management necessary. Lorsban WG is unlikely to have any long-term effect on soil microbial activity. The risk is therefore considered to be low.</p>
<p>6. NON-TARGET PLANTS</p>	<p>When used as recommended Lorsban WG is not expected to have any adverse effects on non-target plants.</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 3

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