

Environmental Information Sheet

KARAMATE DRY FLO NEOTEC

MAPP 14632



A 75% w/w DG formulation containing mancozeb, a dithiocarbamate fungicide, for use in fruit and vegetable crops.

Maximum application rate: 2.5 kg product/ha (1.9 kg a.s./ha) on a 7-14 day interval.

Section	Profile
<p>1. WILDLIFE</p> <p>Mammals and Birds</p>	<p>KARAMATE DRY FLO NEOTEC is not classified "<i>Harmful to game, wild birds and animals</i>"</p> <p>No risk management necessary to protect wild mammals and birds. KARAMATE DRY FLO NEOTEC is of low toxicity to mammals and birds.</p>
<p>2. BEES</p>	<p>No risk management necessary. KARAMATE DRY FLO NEOTEC is of low risk to honeybees.</p>
<p>3. NON TARGET INSECTS AND OTHER ARTHROPODS</p>	<p>Laboratory and field studies show KARAMATE DRY FLO NEOTEC has a low risk to non target arthropods, such as; <i>Coccinella septempuncta</i> (ladybird), <i>Chrysoperla carnea</i> (lacewing), <i>Orius laevigatus</i> (predatory bug), <i>Poecilus cupreus</i> (ground beetle), and <i>Aphidius rhopalosiphi</i> (parasitic wasp). Toxic effects on predatory mites (<i>Typhlodromus pyri</i>) have been noted in laboratory tests but the level of effect was lower in the field, with recovery by the end of the season. Overall the risk to non-target arthropods is low.</p>
<p>4. AQUATIC LIFE</p>	<p>KARAMATE DRY FLO NEOTEC is classified "VERY TOXIC TO AQUATIC ORGANISMS. May cause long-term adverse effects in the aquatic environment". KARAMATE DRY FLO NEOTEC is extremely toxic to fish, <i>Daphnia</i> (water fleas) and algae. "DO NOT CONTAMINATE WATER with the product or its container".</p> <p>The following risk management practices must be carried out in order to ensure that there is adequate protection for aquatic species. "DO NOT ALLOW DIRECT SPRAY from broadcast air-assisted sprayers to fall within 40 metres 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 5 metres of the top of a ditch which is dry at the time of application. DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 metres 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 metre 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 metre of the top of the bank of a static or flowing water body. Aim spray away from water"</p> <p>LERAP Category B. Buffer zones may be reduced (See LERAP Guidelines).</p>

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<p>5. SOIL and GROUNDWATER</p> <p>Earthworms</p> <p>Soil Micro-organisms</p>	<p>Mancozeb is impersistent in soil. The degradation products also have a low persistence.</p> <p>Mancozeb has a low mobility in soil. Consequently there is a low risk of groundwater contamination from the use of KARAMATE DRY FLO NEOTEC.</p> <p>KARAMATE DRY FLO NEOTEC has a low toxicity and low risk to earthworms. No risk management necessary.</p> <p>No risk management necessary. At the recommended application rate, KARAMATE DRY FLO NEOTEC has negligible effects on soil microbial respiration and nitrogen transformations. The risk to soil microbial activity is therefore low.</p>
<p>6. NON-TARGET PLANTS</p>	<p>When used as recommended, KARAMATE DRY FLO NEOTEC 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 4

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