

Environmental Information Sheet

KARAMATE DRY FLO NEWTEC

MAPP 09759 and 12691



A 75% w/w water dispersible granule formulation containing mancozeb, a dithiocarbamate fungicide, for use in apples, pears and horticultural crops.

Maximum application rate: 5.6 kg product/ha (4.2 kg a.s./ha) on a 7-14 day interval.

Section	Profile
1. WILDLIFE Mammals and Birds	KARAMATE DRY FLO NEWTEC is not classified " <i>Harmful to game, wild birds and animals</i> " No risk management necessary to protect wild mammals and birds. KARAMATE DRY FLO NEWTEC is of low toxicity to mammals and birds.
2. BEES	No risk management necessary. KARAMATE DRY FLO NEWTEC is of low risk to honeybees.
3. NON TARGET INSECTS AND OTHER ARTHROPODS	Laboratory and field studies show KARAMATE DRY FLO NEWTEC has a low risk to non target arthropods, such as; <i>Coccinella septempuncta</i> (ladybird), <i>Chrysoperla carnea</i> (lacewing), <i>Episyrphus balteatus</i> (hover fly), <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 this level of effect was not observed in the field. Overall the risk to non-target arthropods is low.
4. AQUATIC LIFE	KARAMATE DRY FLO NEWTECH is classified " <i>VERY TOXIC TO AQUATIC ORGANISMS. May cause long-term adverse effects in the aquatic environment</i> ". KARAMATE DRY FLO NEWTECH is extremely toxic to fish, <i>Daphnia</i> (water fleas) and algae. " <i>DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container</i> ". When used according to the label instructions there will not be sufficient contamination of water to present a risk to aquatic life. Minimise drift onto adjacent water bodies 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>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 NEWTEC.</p> <p>KARAMATE DRY FLO NEWTEC 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 NEWTEC 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 NEWTEC 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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