

# Environmental Information Sheet

## KUMULUS DF MAFF/MAPP 04707



A water dispersible granule containing 80% w/w sulphur, an inorganic fungicide, for use in apples, gooseberries, grapevines, hops, strawberries, sugar beet and blackcurrants. Also for use as a sulphur foliar feed in wheat, barley and winter oilseed rape.

Maximum individual dose: Hops & apples: 11 kg product per hectare (8800 g a.s./ha)

Maximum number of applications: Varies with crop

Section	Profile
<p><b>1. WILDLIFE</b></p> <p><b>Mammals and Birds</b></p>	<p>Kumulus DF is not classified as <i>"Harmful to game and wildlife"</i>.</p> <p>No risk management necessary to protect wild mammals and birds. Sulphur, the active substance in Kumulus DF, is of low toxicity to mammalian and bird species. 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><b>2. BEES</b></p>	<p>No risk management necessary. Kumulus DF is of low risk to bees.</p>
<p><b>3. NON TARGET INSECTS AND OTHER ARTHROPODS</b></p>	<p>No risk management necessary.</p> <p>Kumulus DF is of low risk to a range of arthropods species commonly found in and around treated fields including predatory mites, ground beetles and lacewing.</p>
<p><b>4. AQUATIC LIFE</b></p>	<p>No risk management necessary. When Kumulus DF is used according to the label instructions there will not be sufficient contamination of water to present a risk to aquatic life.</p> <p>Kumulus DF is of low toxicity to fish, algae and aquatic invertebrates e.g. water flea. <i>"Do not contaminate surface waters or ditches with chemical or used container."</i></p> <p>Kumulus DF is not categorised under the LERAP scheme.</p>

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<p><b>5. SOIL and GROUNDWATER</b></p> <p><b>Earthworms</b></p> <p><b>Soil Micro-organisms</b></p>	<p>No risk management necessary. Sulphur is moderately persistent in soil and of low mobility. Use of Kumulus DF according to the label presents low risk to groundwater.</p> <p>No risk management necessary. Kumulus DF is moderately toxic to earthworms. However, at recommended application rates, the risk to earthworms is low.</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><b>6. NON-TARGET PLANTS</b></p>	<p>When used as recommended Kumulus DF is not expected to have 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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