

# Environmental Information Sheet

## UPRIGHT MAPP 16884



A soluble concentrate containing 368 g/litre chlormequat chloride (quaternary ammonium compound) and 0.8 g/litre imazaquin (imidazolinone) for use as a plant growth regulator in winter wheat.

Maximum application rate: 2.5 litres product/hectare (920 + 2.0 g a.s./ha).

Maximum total dose: 2.5 litres product/hectare (920 + 2.0 g a.s./ha).

Section	Profile
<p><b>1. WILDLIFE</b></p> <p><b>Mammals and Birds</b></p>	<p>Upright 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. Imazaquin is of moderate toxicity to mammals and low toxicity to birds. Chlormequat chloride is of moderate toxicity to mammals and birds. However, the risk to wild mammals and birds grazing on treated areas is low, as is the risk due to exposure from other routes, e.g. consumption of insects, due to the limited amount of residues likely to be consumed.</p>
<p><b>2. BEES</b></p>	<p>No risk management necessary. Upright is of low risk to bees.</p>
<p><b>3. NON TARGET INSECTS AND OTHER ARTHROPODS</b></p>	<p>No risk management necessary. Upright is of low risk to a range of arthropod species commonly found in and around treated fields.</p>
<p><b>4. AQUATIC LIFE</b></p>	<p>Upright is classified as "<i>HARMFUL TO AQUATIC LIFE, with long lasting effects</i>".</p> <p>Imazaquin is of low toxicity fish and aquatic invertebrates e.g. water flea, moderately toxic to algae and extremely toxic to aquatic plants e.g. duckweed.</p> <p>Chlormequat chloride is of low toxicity fish and algae, of moderate toxicity to aquatic invertebrates e.g. water flea, and of high toxicity to aquatic plants e.g. duckweed.</p> <p><i>"DO NOT CONTAMINATE WATER with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads."</i></p> <p>No risk management is necessary. When used according to the label instructions there will not be sufficient contamination of water to present a risk to aquatic life.</p> <p>Upright 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>Imazaquin is very persistent in soil and highly mobile. Chlormequat chloride is moderately persistent and moderately mobile in soil. However, modelling studies have shown the risk of groundwater contamination from the use of Upright as recommended is low. No risk management necessary.</p> <p>Imazaquin and Chlormequat chloride are of moderate toxicity to earthworms. However, at recommended application rates the risk to earthworms is low. No risk management necessary.</p> <p>Upright is of low risk to soil micro-organisms. No risk management necessary in order to prevent risks to the processes of soil respiration and nitrogen turnover.</p>
<p><b>6. NON-TARGET PLANTS</b></p>	<p>When used as recommended Upright is not expected to have adverse effects on non-target plants. However, as Upright is a plant growth regulator care should always be taken to minimise drift when applying close to field boundaries.</p> <p>“Avoid spray drift on to neighbouring crops.”</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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