

# Environmental Information Sheet

For CPA  
Office use  
only

## ORIENT MAFF/MAPP 12541

A suspension concentrate formulation containing 7.5 g/l picolinafen (a pyridinecarboxamide) and 330 g/l pendimethalin (a dinitroaniline) for use in winter cereals.

Maximum application rate: 4.0 litres product/hectare

Maximum number applications: One

Section	Profile
<b>1. WILDLIFE</b>  <b>Mammals and Birds</b>	<p>Orient is not classified as '<i>Harmful to game, wild birds and animals</i>'.</p> <p>No risk management is necessary to protect wild birds and animals. Picolinafen is of low toxicity to birds and mammals. Pendimethalin is of low toxicity to mammals and moderate toxicity to birds. The risk to wild birds and animals grazing on treated areas is low as is the risk due to exposure from other routes e.g. consumption of insects and earthworms.</p>
<b>2. BEES</b>	<p>No risk management necessary. Orient is of low risk to bees.</p>
<b>3. NON TARGET INSECTS AND OTHER ARTHROPODS</b>	<p>No risk management necessary. Orient poses a low risk to a range of arthropod species commonly found in and around treated fields, including predatory mites, parasitic wasps, ground beetles and spiders.</p>
<b>4. AQUATIC LIFE</b>	<p>Orient is '<i>VERY TOXIC TO AQUATIC ORGANISMS</i>'.</p> <p>Orient is of high toxicity to fish and aquatic invertebrates e.g. water flea and of extreme toxicity to green algae. Care must be taken to ensure that surface waters or ditches are not contaminated with the product or used container.</p> <p>Risk management is essential. Orient can be used safely providing care is taken to prevent spray drift reaching surface waters. The following risk management practices must be carried out in order to ensure that there is adequate protection for aquatic species. "<i>DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing water body, or within 1m of the top of a ditch which is dry at the time of application. Aim spray away from water.</i>"</p> <p>LERAP Category B. Buffer zones may be reduced (see LERAP Guidelines).</p>

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<b>5. SOIL and GROUNDWATER</b>	No risk management necessary. Picolinafen is moderately persistent and pendimethalin is very persistent in soil. Both picolinafen and pendimethalin are strongly bound to soil and can be considered not mobile. Consequently there is a low risk of groundwater contamination from the use of Orient.
<b>Earthworms</b>	No risk management necessary. Picolinafen and pendimethalin are of low toxicity to earthworms.
<b>Soil Micro-organisms</b>	Orient is of low risk to soil micro-organisms. No risk management is necessary in order to prevent risks to the processes of soil respiration and nitrogen turnover.
<b>6. NON-TARGET PLANTS</b>	Orient is an herbicide for control of grass and broad-leaved weeds. <i>'Extreme care should be taken to avoid damage by drift on to plants outside the target area'</i>  Care should also be taken to minimise drift of Orient onto conservation headlands, beetle banks and field boundaries such as hedgerows, which may provide an important habitat for wild flowers

## 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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