

# Environmental Information Sheet

For CPA  
Office use  
only

## Pierce MAFF/MAPP 11924

A 237.5g/l mecoprop-P, 256.25 g/l MCPA and 31.25g/l dicamba SL formulation, a phenoxy herbicide for the selective control of annual and perennial weeds in grass seed crops, grassland and managed amenity turf.

Maximum application rate: 5.5 L product/ha (1306 g Mecoprop-P/ha, 1409 g MCPA/ha, 25.75 g Dicamba/ha)

Maximum no. applications: Permanent grassland and rotational grassland - two per year  
Rotational grassland seedcrops - one per year  
Managed amenity turf – two per season

Section	Profile
<b>1. WILDLIFE</b>  <b>Mammals and Birds</b>	<p>PIERCE is not classified as '<i>Harmful to game and wildlife</i>'</p> <p>PIERCE is of low to moderate toxicity to birds and mammals. It is recommended that livestock should be kept out of treated areas for at least two weeks and until foliage of any poisonous weeds such as ragwort have died and become unpalatable.</p> <p>No risk management is necessary to protect wild mammals and birds as Pierce is of low risk to mammals and birds grazing in treated areas.</p>
<b>2. BEES</b>	<p>No risk management necessary and there is no requirement to avoid application of the product when bees maybe foraging on flowering weeds.</p>
<b>3. NON TARGET INSECTS AND OTHER ARTHROPODS</b>	<p>No risk management necessary. PIERCE poses a low risk to a range of arthropod species commonly found in and around treated areas, including carabid and rove beetles, parasitoid wasps and predator mites.</p>
<b>4. AQUATIC LIFE</b>	<p>PIERCE is classified as '<i>HARMFUL TO AQUATIC ORGANISMS</i>'</p> <p>PIERCE is of low toxicity to fish, of moderate toxicity to daphnia, of high toxicity to algae and extremely toxicity to certain aquatic higher plants such as duckweeds (<i>Lemna</i>). Care should be taken to minimise drift when applying High Load Mircam next to shallow ponds, ditches or slow flowing streams. Care should be taken to ensure that surface waters and ditches are not contaminated with the product or used container.</p> <p>No risk management 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>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>Dicamba and its degradation product are impersistent in the soil and Mecoprop-p is of low persistence and MCPA is moderately persistent in the soil. Dicamba is highly mobile and its degradation product is considered to have low mobility. Mecoprop-P and MCPA are not strongly adsorbed to soil and can be considered highly mobile. Use of PIERCE in accordance with the label presents a low risk to groundwater, therefore no risk management is necessary.</p> <p>PIERCE is of low to moderate toxicity to earthworms. No risk management is necessary.</p> <p>No risk management necessary. No significant effects on soil microbial processes were found so the risk is considered low.</p>
<p><b>6. NON-TARGET PLANTS</b></p>	<p>PIERCE is a selective broadleaf weedkiller herbicide. Care should always be taken to minimise drift when applying Pierce close to conservation headlands and field boundaries, such as hedgerows, which may provide an important habitat for wild flowers.</p> <p>Avoid drift onto all broad-leaved plants outside the target area including susceptible crops such as tomatoes, lettuce, oilseed rape, vegetables, turnips, swedes, sugar beet, peas, glasshouse crops, fruit and ornamentals, etc. To avoid spray drift do not spray in windy or very still conditions.</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 4.0

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