

# Environmental Information Sheet

## DOW SHIELD<sup>®</sup> 400 MAPP 14984



A 400 g/litre soluble concentrate formulation containing clopyralid as the monoethanolamine salt, a pyridine carboxylic acid herbicide for use in cereals, oilseed rape, linseed, root crops, onions, brassicas, forage maize, grassland and ornamental plant production.

Maximum individual dose: 0.5 l/ha (200 gas/ha clopyralid) all crops except;  
 0.25 l/ha (100 gas/ha clopyralid) linseed & forage maize  
 0.175 l/ha (70 gas/ha clopyralid) cereals  
 Maximum total dose: 0.75 l/ha per crop except; cereals (0.175 l/ha), grassland & ornamentals (0.5 l/ha), linseed & forage maize (0.25 l/ha)

Section	Profile
<p><b>1. WILDLIFE</b></p> <p><b>Mammals and Birds</b></p>	<p>DOW SHIELD 400 is not classified 'Harmful to game, wild birds and animals'</p> <p>No risk management necessary to protect wild mammals and birds. DOW SHIELD 400 and its active substance, clopyralid, are of low to moderate toxicity to mammalian and bird species. The risk to wild mammals and birds feeding on treated areas is low.</p> <p><i>"KEEP LIVESTOCK OUT of treated areas for at least 7 days and until foliage of any poisonous weeds such as ragwort has died and become unpalatable"</i></p>
<p><b>2. BEES</b></p>	<p>No risk management necessary, and there is no requirement to avoid application of the product when bees may be foraging on flowering weeds.</p>
<p><b>3. NON TARGET INSECTS AND OTHER ARTHROPODS</b></p>	<p>No risk management is necessary. DOW SHIELD 400, when applied at recommended dose, is classified as "harmless" to a range of arthropods found in and around treated fields, such as spiders (<i>Pardosa spp.</i>) ground dwelling beetles (e.g. <i>Poecilus cupreus</i> and <i>Aleochara bilineata</i>), foliar dwelling predator (<i>Chrysoperla carnea</i>), parasitic wasp (<i>Aphidius rhopalosiphi</i>) and predator mite (<i>Typhlodromus pyri</i>).</p>
<p><b>4. AQUATIC LIFE</b></p>	<p>No risk management necessary. Not considered harmful to fish or other aquatic life when used as directed. However care should always be taken to ensure that surface waters or ditches are not contaminated through spillage or with the used container.</p> <p>Not categorised in 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>Clopyralid is impersistent and highly mobile. However when used as directed there is a low risk of groundwater contamination.</p> <p>DOW SHIELD 400 has a low to moderate toxicity to earthworms. The risk to earthworms is low and no risk management is necessary.</p> <p>DOW SHIELD 400 has a low risk to soil micro-organisms and no risk management is necessary</p>
<p><b>6. NON-TARGET PLANTS</b></p>	<p>DOW SHIELD 400 is a broad-spectrum herbicide, therefore care should be taken to minimise drift onto hedgerows, conservation headlands etc. in order to prevent damage to plants in adjacent areas.</p> <p><i>“DOW SHIELD 400 is not subject to vapour drift, but do not spray in windy weather and avoid drift onto susceptible crops (e.g. seed potatoes)”.</i></p> <p><i>“Extreme care must be taken to avoid spray drift onto non-crop plants outside the target area”</i></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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