

# Environmental Information Sheet

## ROUNDUP METRO MAPP 13989



A soluble concentrate containing 360 g/l glyphosate present as 441g/l (35.4% w/w) of the potassium salt of glyphosate used a foliar application for the non-selective control of annual and perennial weeds before sowing or planting of all crops and the destruction of grassland and weed control in stubbles and orchards. Also for use pre-harvest in cereals and certain other crops.

Maximum application rates vary per weed and situation. Refer to the label for details.  
Maximum no. of applications per situation per season: 1

Section	Profile
<p><b>1. WILDLIFE</b></p> <p><b>Mammals</b></p> <p><b>Birds</b></p>	<p>Roundup Metro is not classified as <i>'Harmful to game or wildlife'</i></p> <p>Roundup Metro shows low toxicity to mammals. It poses negligible risk for species that feed on recently treated vegetation (e.g. hares, rabbits, deer) or consume earthworms in treated fields (e.g. shrews, voles). There is no long-term exposure to this herbicide as treated weeds are controlled and are thus no longer present as potential food sources.</p> <p>Roundup Metro is of low toxicity to birds. There is negligible risk to geese and other birds that could feed on recently treated vegetation. There is also negligible risk for species nesting in and around treated fields or consuming insects and earthworms from treated areas</p>
<p><b>2. BEES</b></p>	<p>Roundup Metro is of low toxicity to honeybees; there is no requirement to avoid application of the product when bees are foraging on flowering weeds.</p>
<p><b>3. NON TARGET INSECTS AND OTHER ARTHROPODS</b></p>	<p>At typical use rates, Roundup Metro is of low risk to most species commonly found in and around treated fields, including carabid beetles and ground spiders. In areas where the herbicide is applied, the loss of vegetation will lead to habitat changes and may thereby temporarily affect arthropod populations. The arthropods will however rapidly return as vegetation re-grows.</p>
<p><b>4. AQUATIC LIFE</b></p>	<p>Based on effects on green algae, Roundup Metro is classified as <i>'Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment'</i> but does not require a buffer zone.</p> <p>As part of a weed management programme, there is low risk for aquatic life from spray drift.</p> <p>Care should be taken to ensure that surface water or ditches are not contaminated with the chemical or used containers.</p>

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<p><b>5. SOIL and GROUNDWATER</b></p> <p>Earthworms</p> <p>Soil Micro-organisms</p>	<p>Roundup Metro is rapidly and extensively degraded in soil by indigenous soil micro flora, under both aerobic and anaerobic conditions. The degradation of Roundup Metro is dependent on soil type and temperature but is independent of the initial herbicide concentration. Roundup Metro does not accumulate in soil after several applications within one season or over the years.</p> <p>Roundup Metro is strongly adsorbed to soil and possesses very little potential for leaching. There is a negligible risk of groundwater contamination by Roundup Metro due to the high adsorption, low mobility and rapid biodegradation in soil.</p> <p>Roundup Metro is of low toxicity to earthworms and will pose a negligible risk to earthworm populations in or around treated fields.</p> <p>Roundup Metro has no adverse effects on soil micro flora and therefore poses negligible risk to the processes of nutrient recycling in soil.</p>
<p><b>6. NON-TARGET PLANTS</b></p>	<p>To avoid unintentional effects on the vegetation of non-target areas (e.g. field boundaries, conservation headlands, beetle banks), care should always be taken to minimise drift. The use of low drift application equipment and unsprayed strips is recommended.</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.

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