

Environmental Information Sheet

ROUNDUP® PRO BIO MAPP [15539]

A soluble concentrate containing 360g/l glyphosate present as 441g/l

(35% w/w) of the potassium salt of glyphosate used as a foliar application for the non-selective control of emerged annual and perennial weeds in industrial, amenity situations, aquatic areas and forestry

Maximum application rates vary per weed and situation. Refer to the label for details.

Maximum number of applications per annum vary per situation. Refer to label for details.

Section	Profile
1. WILDLIFE	Roundup ProBio is not classified as ' <i>Harmful to game and wildlife</i> '.
Mammals	Roundup ProBio 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 areas (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.
Birds	Roundup ProBio 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 areas or consuming insects and earthworms from treated areas.
2. BEES	Roundup ProBio is of low toxicity to honeybees; there is no requirement to avoid application of the product when bees are foraging on flowering weeds in treated areas.
3. NON TARGET INSECTS AND OTHER ARTHROPODS	At typical use rates, Roundup ProBio is harmless to most species commonly found in and around treated areas, 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.
4. AQUATIC LIFE	Roundup ProBio is not considered as ' <i>harmful to aquatic life</i> ', being of low toxicity to fish, aquatic invertebrates (e.g. water fleas) and green algae. The product is registered for the control of emerged and floating aquatic weeds. When used as part of a weed management programme, there is low risk for aquatic life. In all cases where Roundup ProBio is not applied for aquatic weed control, care should be taken to ensure that surface water or ditches are not contaminated with the chemical or used containers.

Section	Profile
<p>5. SOIL and GROUNDWATER</p> <p>Earthworms</p> <p>Soil Micro-organisms</p>	<p>Roundup ProBio is rapidly and extensively degraded in soil by indigenous soil micro flora, under both aerobic and anaerobic conditions. The degradation of Roundup ProBio is dependent on soil type and temperature but is independent of the initial herbicide concentration. Roundup ProBio does not accumulate in soil after several applications within one season or over the years.</p> <p>Roundup ProBio is strongly adsorbed to soil and possesses very little potential for leaching. There is a negligible risk of groundwater contamination by Roundup ProBio due to the high adsorption, low mobility and rapid biodegradation in soil.</p> <p>Roundup ProBio is of low toxicity to earthworms and will pose a negligible risk to earthworm populations in or around treated areas.</p> <p>Roundup ProBio has no adverse effects on soil micro flora and therefore poses negligible risk to the processes of nutrient recycling in soil.</p>
<p>6. NON-TARGET PLANTS</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>

USE HERBICIDES SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.

Care must be taken to minimise the risk of surface water contamination from farmyard, filling areas 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.