Environmental Information Sheet
ROUNDUP® PROACTIVE MAPP 17380

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 annual and perennial weeds and the destruction of grassland, before sowing or planting of all crops and weed control in stubbles, aquatic and non-crop areas. 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 number of applications per annum varies per situation. Refer to label for details.

Section	Profile
1. WILDLIFE **Mammals**	Roundup ProActive is not classified as '*Harmful to game and wildlife'.* Roundup ProActive 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.
Birds	Roundup ProActive 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.
2. BEES	Roundup ProActive 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 crops.
3. NON TARGET INSECTS AND OTHER ARTHROPODS	At typical use rates, Roundup ProActive is harmless 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.
4. AQUATIC LIFE	Roundup ProActive is not considered as '*harmful to aquatic life*', 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 ProActive 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.

Environmental Information Sheet
ROUNDUP® PROACTIVE MAPP 17380

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

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:-

Monsanto UK Limited
PO Box 663
Cambourne
Cambridge
CB1 0LD

Technical Helpline: 01954 717575

E-mail: technical.helpline@monsanto.com

This Environmental Information Sheet was prepared in accordance with CPA Guidance Notes Version 4.

©Copyright of Monsanto Company
Roundup® and ProActive® are registered trademarks of Monsanto Technology LLC
USE HERBICIDES SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE