

Roundup[®] Pro Biactive 450

The patented adjuvant formulation found in no other glyphosate-based product

- * Superior long-term and rapid control of difficult perennial weeds reduces the need for repeat treatments
- * Excellent rainfastness, enabling more advantage to be taken of weather windows
- * Hazard free label confirming its safety for spray operators, the public, wildlife and pets
- * Biodegrades in soil and water leaving no residues

Responding to the amenity markets pressing need for maximum weed control efficacy, economy and ease-of-use Monsanto presents new high-load 'Roundup Pro Biactive 450'.

The new product contains 25% more glyphosate by volume than its predecessor. As a result each can will treat a significantly greater area, ensuring outstanding economy and reducing storage and handling demands.

'Roundup Pro Biactive 450' is a complete product incorporating a performance enhancing surfactant system which improves retention, uptake and translocation over traditional glyphosates. More glyphosate reaches the weed's growing points, ensuring superior weed control.

With its unrivalled performance, enhanced

Roundup Pro Biactive 450

Contains 450g/litre glyphosate
MAPP No. 12778

Pack size: 5 litres

Packs per outer: 4 x 5 litre

Pack coverage: Variable

Water Volume: 80-250 litres per hectare

Period of use

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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cost-effectiveness, improved convenience and exceptional safety, new 'Roundup Pro Biactive 450' is the total solution for professional weed control.



*Approved for
weed control in
amenity,
industrial,
forestry and
aquatic areas*



Where to use

Paths, roads, drains

The herbicide may be used in and around drainage channels. It does not creep or move in the soil to affect untreated areas such as grass verges. 'Roundup Pro Biactive 450' will not affect plants, trees or shrubs through their roots and can be used right up to trees or hedge bottoms provided that care is taken to avoid spray drifting onto the leaves or soft stems of plants. There is no penetration of mature bark.

Before planting or sowing

'Roundup Pro Biactive 450' can be safely used to remove unwanted vegetation before planting shrubs, ornamentals, vegetables or other species, or seeding grass. The herbicidal effect is lost on contact with the soil, so there is no residual activity to affect subsequent plantings. Planting of all species may take place 7 days after application and grass seed can be sown after 15 days.

Around young trees

Maintaining a weed-free area at the base of young trees removes competition and allows water and nutrients to be fully utilised. 'Roundup Pro Biactive 450' is the ideal herbicide as it offers excellent broad-spectrum weed control and no harmful residues remain in the soil to check tree growth. The preferred time to control weeds is pre-planting, as they are more easily controlled when spraying is not restricted by the presence of young trees.

Woodland management

The use of 'Roundup Pro Biactive 450' can aid scrub clearance and prevent the re-growth that soon occurs after cutting back by mechanical means only. It may also be used for stump treatment, killing the root system to avoid regrowth or coppicing of crop trees after felling.

Aquatic weeds

Environmental safety is a key consideration when treating weeds in and around water. 'Roundup Pro Biactive 450' is especially suitable, giving effective weed control whilst breaking down in soil or sediment into harmless natural substances. It is non-residual and does not harm animals, birds, fish, insects and other wildlife.

Difficult weeds

Some weeds are reputed to be difficult to control because they have extensive root systems such as Japanese Knotweed, Bracken or very waxy leaves like Rhododendron. The unique surfactant system of 'Roundup Pro Biactive 450' enhances leaf penetration and translocation, ensuring effective performance against almost every weed. Correct application at the recommended

dose provides control of bracken, common nettle, common ragwort, dandelion, giant hogweed, ground elder, himalayan balsam, horsetail, Japanese knotweed and rhododendron.

Long term weed control

If long term weed control is required from a single application, 'Roundup Pro Biactive 450' may be tank mixed with Diuron. This tank mixture is ideal for use on pavement backs, footpaths, fence lines, gravelled areas, waste ground and around buildings. It prevents subsequent germination of many weeds, including annual meadow-grass, fat hen, mayweeds and willow herb.



Application rates

Crops/situations	Maximum individual dose
Natural surfaces not intended to bear vegetation; permeable surfaces overlaying soil; hard surfaces	4.0 litres/ha
Enclosed waters; open waters; land immediately adjacent to aquatic areas	4.8 litres/ha
Forest; forest nursery	
Weed control	8.0 litres/ha
Stump application	160ml/litre water (16% solution of product in water)
Chemical thinning (by injection)	1.6ml/10cm diameter (or less) of tree
Amenity vegetation	4.0 litres/ha
All edible crops; all non-edible crops (destruction before sowing or planting)	4.0 litres/ha