



NOTES ON THE USE OF ROUNDUP PROVANTAGE FOR SPOT TREATMENT IN PADDOCKS



Weeds are not only unsightly, but can lead to even more problems in paddock areas with grazing animals. Horses in particular are selective grazers and many fields have a tendency to grow obtrusive weeds, which are unpalatable e.g. Docks, Thistles and Nettles. Common Ragwort is a particular problem in horse paddocks and is not only poisonous, but also must be controlled by law. These weeds flower and seed if left untreated, proliferating at the expense of grazing area. Whilst frequent cutting can prevent seeding, it does not eradicate the weeds.

Why choose Roundup ProVantage to treat your paddock?

- **SAFETY TO ANIMALS** It contains glyphosate, which kills weeds by interfering with a protein production pathway only present in plants. Even if ingested glyphosate is not absorbed by animals and is excreted unchanged.
- **NO NEED TO EXCLUDE ANIMALS.** The paddock can be treated without excluding animals for more than the few hours it takes for the spray to dry on the leaf*. This is especially useful where stocking regimes are too tight to allow the exclusion required by some selective weedkillers.
- **EASY APPLICATION** It is safe and easy to mix and apply.
- **EFFECTIVE** .Glyphosate is extremely thorough. Weeds gradually change colour and die back over several weeks.
- **SAFETY TO ENVIRONMENT.** It can be safely used near watercourses and will not harm fish or other wildlife.

TIMING

The best timing for perennial weeds like Docks, Thistles and Ragwort is from when they have produced a flowering stem but before seeds are set.

There must be enough actively growing leaf above ground to absorb sufficient product to kill the underground roots , i.e. at least 10 -15cm. Avoid spraying whilst the stem is extending rapidly as the sap flow is against the direction of movement down to the roots.

***POISONOUS PLANTS** e.g. Ragwort, Hogweed, Hemlock, Hemlock Water Dropwort, St John's Wort. Treated plants become more palatable as they die, so decaying poisonous, plants must be removed from the field or stock excluded until the plants have *completely* degenerated, (at least 4 weeks). Cutting or pulling these weeds 5 days after spraying, allows grazing to recommence, knowing that any root remaining in the ground will die.

Always wear gloves when handling poisonous weeds.



Common Ragwort at rosette stage



Spot sprayed after 3 weeks, dead material removed

APPLICATION RATES AND WATER VOLUMES

Knapsack sprayers

A full 20 litre knapsack sprayer with standard deflector nozzles giving 200 litres per ha output will cover 1000 square metres when walking at 1 metre per second. Use 25ml Roundup ProBio per litre of water or 500ml in 20 litres of water to control perennial weeds.

Area sprayed	Volume of Roundup ProVantage	Volume of water
100 square metres	38 ml	2 litres
500 square metres	190 ml	10 litres
1000 square metres	380 ml	20 litres

Hand held sprayers with adjustable nozzles can also be used and should be adjusted to give medium sized drops which can be easily seen but are neither large enough to roll off the target leaves or fine enough to drift onto non-target areas and cause damage. Once sprayed the leaves should have a fine coverage of drops after spraying but not be saturated or have any run-off.

CAUTION: Roundup ProVantage kills most green plants, so care is needed to direct the spray only to weed targets only. Where weeds are intimate with the grass it may be preferable to use a hand-held weed wiper.

Hand-held weed wiper

The hand-held Microwipe* uses a herbicide-soaked rope wick to apply the herbicide. The concentration used is generally 1 part Roundup ProVantage to 3 parts water. Target leaves are wiped gently, controlling the weeds without killing of large areas of surrounding grass.

Ropes should be washed and cleaned several times a day to ensure optimum performance especially where dust and plant debris accumulate. Do not store diluted mixture in the Microwipe for more than a few days as the activity of the herbicide will be greatly reduced.

The Microwipe, hand held Weed wiper is available from Billericay Farm services, Downham, Billericay, ESSEX, CM11 1QU Tel. (01268) 710237



For further information contact the Technical Helpline on (01954) 717575 Email: technical.helpline.uk@monsanto.com website at www.monsanto-ag.co.uk

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