

# Hand-held sprayer **quick rate guide**



Roundup® is a registered trademark of the Bayer Group. Roundup® contains glyphosate.

Use plant protection products safely. Always read the label and product information before use. Pay attention to the risk indications and follow the safety precautions on the label.

For further details consult the website

Web: <https://cropscience.bayer.co.uk/our-products/amenity>

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Calibration of hand-held sprayers for application of Roundup® products should be carried out by individual users according to the syllabus of the PA6A Certificate of Competence in hand-held spraying and the Code of Practice for the use of Plant Protection Products 2006. However, where the use is for spot treatment of individual weeds, the following guidelines can be followed.

- 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.
- Watering cans may also be used (though less advisable) but the amount in ml's given below per 1 litre of water in a sprayer should be used in 5 litres in a watering can with a fine rose. Such application may not give complete control of seedling weeds or fine grasses and is not usually recommended but can be useful in areas where drift must be avoided.

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- Using standard nozzles giving 200 litres per hectare, at 1 bar pressure and a walking speed of 1 metre per second, a 20 litre knapsack covers 1000 metres.

## Rate Guide Table

	Roundup® ProActive (360 g/l)	Roundup® ProVantage (480g/l)
Rate L or kg/ha for 1080g ai/ha for annuals	3	2.2
ml's or grams /litre of water (200l/ha)	15	12
Rate L or kg/ha for 1800g ai/ha for most perennials	5	3.75
ml's or grams /litre of water (200l/ha)	25	19
Rate L or kg/ha for 2160g ai/ha for aquatic use, permanent pasture.	6	4.5
ml's or grams /litre of water (200l/ha).	30	23
Rate l/ha for Rhododendron	10	7.5
ml's or grams /litre of water (200l/ha)	50	37
Rate per stem for Stem injection use* (ml)	2	1.5

\*e.g. Japanese Knotweed & Forestry uses