



GLYPHOSATE

DETAILED DIRECTIONS – WEEDS CONTROLLED

RAINBOW & BROWN LTD

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Rainbow & Brown Glyphosate

DETAILED DIRECTIONS – WEEDS CONTROLLED

For non-selective spraying for general pasture renovation: Use 2-3 litres per hectare. If pasture contains lots of flatweeds, use 3-5 litres per hectare.

Weed Species	Boom or Aerial Litres/ha	Handgun Vol/100 litres	Knapsack ml/15 litres	Mist Blower ml/10 litres	Comments
Annual Weeds	1-2	200ml	30ml	60ml	Use higher rate for larger weeds.
Barberry	–	1 litre	150ml	300ml	Apply Jan-April from flowering to late fruit. Where bushes have been cut, regrowth should be 1.5 metres tall before spraying.
Blackberry	9-20	1-1.5 litres	150ml	300ml	Apply to healthy plants from blossom to ripe fruit stage, prior to autumn frosts (Dec to Apr). Only bushes with a well developed canopy of leaves should be treated. Early treatment (Dec-Jan) may be preferred in drought prone areas. Leave sprayed blackberry for 40-60 days before burning or slashing, and oversow the area. Where treatment has been carried out in marginal conditions some regrowth can be expected within 1-2 years. For aerial application on hard to kill blackberry, or where no follow up pasture management is anticipated, use the higher rate.
Boxthorn	–	1.25 litres	–	–	Apply Nov-Apr to actively growing plants. Avoid salt damaged plants. Spray to ensure complete coverage of dense thickets. Do not use added surfactant, as poor results may occur.
Bracken*	9	1 litre	150ml	–	Apply when fronds are unfurled (mid Jan-Jun) but prior to frost browning. Dense virgin bracken with high trash content and low leaf to root ratio should be burnt in spring and the unfurled frond regrowth sprayed the following Mar-Jun.
Broom*	9	1 litre	150ml	300ml	Aerial – apply when plants are in full leaf. Handgun – apply all year round.
Buddleia	9	1 litre	150ml	–	Handgun – if actively growing, treat all year. Aerial – Treat buddleia up to 2 metres high during Feb-Apr.
Gorse*	–	1 litre	–	–	Apply all year round. Ensure complete coverage.
Old Man's Beard	–	1-2 litres	300ml	–	Apply Nov-Mar prior to leaf senescence. Vines too high for complete coverage should be cut at ground level in winter or spring and the regrowth sprayed in Mar, when plants are at least 0.5m long. Follow up treatment will be necessary to control seedlings. Use the low rate for small vines.
Pampas (Toetoe)	–	1 litre	150ml	–	Apply spring to autumn. Ensure complete coverage. Best results are achieved when applied after flowering.
Ring Fern	1-3	300ml	50ml	–	Control: Apply 3 litres/ha in Jan-Apr. Pasture Manipulation: Apply 1-2 litres/ha Dec-Apr. Use the high rate for dense infestations. Burn 4-6 weeks after treatment and oversow with pasture.
Sweet Brier*	12	1 litre	150ml	–	Apply from late flowering to early leaf yellowing. Ensure complete coverage.
Willow	9	1 litre	–	–	Apply from Jan-Apr before leaf fall begins. Total coverage is essential for best results.
Barley Grass	1	200ml	30ml	60ml	
Cleavers	1.5	500ml	75ml	150ml	
Australian Sedge	6-9	1 litre	150ml	300ml	Apply Nov-Mar. Aerial – use 9 litres. Where rank growth is present the area should be burnt 12-18 months prior to application to ensure adequate spray coverage.
Browntop	3	500ml	75ml	150ml	Apply to 5-10cm high actively growing plants.
Californian Thistle	4	1 litre	150ml	300ml	Apply after flower bud development but before autumn browning. To ensure maximum shoot emergence, do not cultivate for 6 months prior to treatment. Wiper – A double pass at low speed is recommended in heavy infestations. Mowing thistles 10 days after application may assist control. Retreatment may be necessary in the next season.
Couch	3-6	1 litre	150ml	300ml	For suppression use 3 litres/ha. For control use 4-6 litres/ha when growing conditions are satisfactory. Use the high rate in late spring. Apply to plants with at least 4-5 leaves and active shoot growth and root growth. Do not cultivate for 6 months prior to application, to ensure maximum root emergence.
Dock	4-9	1 litre	150ml	–	Treat plants in spring or summer when actively growing and in full leaf. Use low rate for seedlings and young plants. Use high rate for control of established plants.
Sweet Grass	6	1 litre	150ml	300ml	Apply to actively growing plants when most have reached early seedhead.
Johnson Grass	6	1 litre	150ml	300ml	Apply to actively growing plants.
Indian Doab	9	1 litre	150ml	–	Apply when most plants have reached early seedhead.
Kikuyu	6	1 litre	150ml	300ml	Apply to actively growing plants. Under dense growth conditions, silorate and allow regrowth before treatment.
Mercer Grass	6-9	1-1.5 litres	150-250ml	300-450ml	Use the higher rate for aquatic Mercer grass.
Nodding Thistle	–	1 litre	150ml	–	Wiper – apply when actively growing when at least 10cm of the weed can be wiped. In heavy infestations a double pass is recommended.
Paspalum	4-6	1 litre	150ml	300ml	Use low rate from Jan-Apr (early seedhead), prior to frosts. Use 6 litres/ha on vegetative plants
Potato (self set)	3	500ml	75ml	150ml	
Prairie Grass	1.5	–	–	–	
Ragwort	6	1 litre	150ml	–	Apply when actively growing. Wiper – apply when plants are 10-15cm above pasture. In heavy infestations a double pass is recommended. Caution: Ragwort plants may become more palatable following spraying and stock should be removed until the treated plants brown out.
Ratstail	5	–	–	–	Apply to actively growing plants in autumn.
Rautahi (Cutty Grass)	6	1 litre	150ml	300ml	Apply to actively growing plants from Jan-Mar. Burning or slashing may take place from 30 days after treatment following brown out.
Rushes	6	1 litre	150ml	300ml	Wiper – apply Nov-May.
Ryegrass* Perennial	1.5-3	500ml	75ml	–	Apply any time plants are actively growing and 3-10cm high. Use the low rate Jan-Jul when cultivation is to follow spraying. Use 3 litres/ha Aug-Dec.
Tall Fescue	6	1 litre	150ml	300ml	Apply to actively growing plants from Jan-Mar.
Yarrow	3-6	–	–	–	Apply to plants with 5-10cm of leaf. Cultivate with a minimum of 2 grubblings from 10 days after treatment. Use the 3 litres rate when a competitive crop to yarrow is to be drilled. Use the 6 litres rate when the crop to be drilled is a poor competitor.

***When spraying species marked * an organosilicone penetrant must be used, at 0.1-0.25% (100-250ml per 100 litres of spray solution)**