

from November to early January. For ground application thorough wetting of crown is recommended. Results from aerial application are enhanced by treating bushes less than 2m high.

**RAGWORT AND OTHER WEEDS:**

When spraying at the ground application rate for gorse, a wide range of broadleaf weeds such as ragwort, fennel, nettle, inkweed and thistles will also be controlled.

**TUTUS:**

Apply to fresh regrowth after frond expansion.

**BARBERRY, OLD MAN'S BEARD, HAWTHORN, WOOLLY NIGHTSHADE, WATTLE, WILLOW AND OTHER BRUSHWEEDS – STUMP SWABBING:**

Mix 1 part of GrassMate with 20 parts water or diesel. Using a paint brush or knapsack liberally coat the freshly cut surface and stems down to ground level. If using diesel thorough agitation must be maintained.

**WOOLLY NIGHTSHADE**

Ground and aerial application: Apply during active growth period. The addition of SuperWetter organosilicone penetrant is recommended to ensure good coverage.

**Stem cut & inject:** Make two shallow hatchet cuts into opposite sides of the trunk at waist height or below the lowest branch. Using a syringe gun or similar, inject 1.5ml GrassMate into each cut. If stem diameter is greater than 15cm make four cuts at equal distances around the stem. Best results will be obtained when trees are actively growing.

**GRASS TURF:**

Apply 2L/ha for control of hydrocotyle, creeping oxalis, cape daisy, Oenothera weed and many other broadleaf weeds in turf. Use on sports grounds and recreation areas only. Do not use clippings from treated areas for compost or mulch for 6 months after treatment.

**Conditions of Sale**

GrassMate is warranted by Rainbow & Brown Limited to conform to the chemical description and concentration specified on the label, and to be reasonably fit for the purposes stated in the directions if used in accordance with the directions. The user bears all risks of damage or failure resulting from factors beyond the control of Rainbow & Brown. Rainbow & Brown declines all liability for any damages resulting from the improper use of this product.



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# GrassMate

## READ COMPLETELY BEFORE MIXING OR APPLYING APPLICATION GUIDELINES

**MIXING:**

GrassMate mixes readily with water. Pour the measured quantity required into the partly filled spray tank and add the remainder of the water. SuperWetter penetrant, where required, should be added to the spray solution after tank filling is complete. Agitate thoroughly during filling and while spraying.

**GROUND TREATMENT:**

Apply to full coverage of both foliage and stems, and from all directions. Use a No 6-8 tip, and gun spraying pressures between 1000kPa and 2000kPa.

**AERIAL APPLICATION:**

Use 200-400 litres of water per hectare. Apply with a calibrated aircraft using the half overlap-opposite pass technique. Aerial applications may require some follow up ground treatment.

**KNAPSACK:**

Apply the recommended mix to give full coverage of leaves and stems.

**MISTBLOWER:**

Use only where the bush size enables good coverage of the entire bush. Use spray marker dye to check spray coverage.

**COMPATIBILITY:**

GrassMate is compatible with most other commonly used herbicides.

**RE-ESTABLISHMENT OF CLOVERS:**

Picloram, an active ingredient in GrassMate, is injurious to legumes, and residues in the soil may prevent their early re-establishment after treatment. The period that residues persist in the soil will vary according to site conditions such as climate, soil and rate used. Small areas should be oversown with clover 1 – 2 months prior to the planned sowing time to check for harmful residues.

## ANIMAL SAFETY

Poisonous plants (including but not limited to inkweed, ragwort and tutu) may become more palatable after spraying. If concerned that stock health may be affected, stock should be kept away from treated areas until plants have died down.

## WITHHOLDING PERIODS:

Other than for animal safety or re-establishment of clovers, a withholding period is not required when used as directed.

## SENSITIVE PLANTS:

Include but are not limited to beans, clovers, lucerne, lupins, peas and other legumes, flowers, fruit trees, hops, ornamentals, shade trees, potatoes, sunflowers, tomatoes, vegetables and vines. Equipment used for applying GrassMate should NOT be used for applying to sensitive plants until complete cleaning including decontamination has been carried out (see below).

## CLEANING:

Rinsing: Empty the spray unit completely and drain entire system. Thoroughly wash inside the unit with a pressure hose. Drain the spray unit and clean any filters in the tank, pump, lines, hoses and nozzles.

**Decontamination:** Before applying to sensitive crops with equipment that has been used to apply GrassMate, wash tank and rinse system as above, then quarter fill tank and add alkali detergent (e.g. liquid SURF®, DRIVE® at 500ml/100l, or the powder equivalent at 500g/100L water). Circulate through system for at least 15 minutes. DO NOT use chlorine based cleaners. Then drain the whole system, remove filters and nozzles and clean separately. Finally flush system with clean water and drain.

## DIRECTIONS FOR USE

### USE RATES:

| Weeds                     | Handgun<br>ml/100L | Aerial<br>L/ha | Weeds                | Handgun<br>ml/100L | Aerial<br>L/ha |
|---------------------------|--------------------|----------------|----------------------|--------------------|----------------|
| Gorse                     | 250                | 10             | Lupin                | 100                | 2              |
| Gorse (Nth<br>Canterbury) | 300                | 10             | Sweet Brier          | 300-500            | 12             |
|                           |                    |                | Matagouri            | 500                | 12             |
| Broom                     | 250                | 10             | Blackberry           | 500-600            | 10             |
| Tutus                     | 300                | 10             | Woolly<br>Nightshade | 250                | 10             |

## KNAPSACK:

Add 6ml GrassMate per litre water.

## MISTBLOWER

Use 100ml/10L tank. For ULV attachments, use 500ml/10L tank, using No 3 or 4 hole.

## WEED COMMENTS

### GORSE:

**Ground Application:** During the active growth period from Spring to early Summer apply GrassMate at 250ml/100L. During periods of slow growth or when gorse is dormant or stressed (e.g. in hot, dry, dusty, frosty or salty conditions or when plants have been slashed or grazed), the addition of SuperWetter organosilicone penetrant to the spraymix at 100ml/100L is recommended. In North Canterbury use GrassMate at 300ml/100L plus SuperWetter at 100ml/100L of spraymix. Follow up treatment may be necessary to obtain complete control.

**Aerial Application:** Apply during the active growth period. Add SuperWetter organosilicone penetrant to the spraymix at 2L/ha. Hard grazed and scattered bushes should not be treated from the air. Best results are achieved by treating bushes less than 3m high and with stems less than 3cm in diameter.

### BROOM:

Spray broom from Spring until early Summer while leaf is present. Hard grazed or scattered bushes should not be treated from the air. Best results are achieved by treating bushes less than 3m high and with stems less than 3cm in diameter.

### BLACKBERRY:

Blackberry should be treated during summer and autumn when bushes are actively growing. Use high rates for control of hard grazed and lower growing types found on the East Coast of the North Island and Northland. Some Northland areas may contain difficult-to-kill species. Variable results may occur where these species are present.

### MATAGOURI:

Best results are achieved by spraying following good moist Spring growing conditions. Control may be reduced following dry conditions or if lichen are growing on the bark. Spray when in full flower; usually November – December.

### SWEET BRIER:

For best results spray from expanded leaf emergence to green hip, usually