

# Knapsack Rate Estimator

## Gallup® Amenity, Gallup® Biograde® Amenity & Gallup Hi-Aktiv® Amenity

### Gallup® Amenity

- ✓ 360g/l glyphosate formulation
- ✓ No requirement for additional adjuvant
- ✓ Extensive label

Using the standard nozzles giving 250 litres per hectare, assume a full 10 litre knapsack covers 400 square meters and walking at a rate of one meter per second.

Label Rate Litres per hectare (l/ha)	Dilution ratio	Amount of concentrate to add to one litre of water in millilitres	Area covered by one litre of mixed-up spray solution	Area of use
4	1:60	16	40 m <sup>2</sup>	Annual broadleaved weeds & annual grasses
5	1:50	20	40 m <sup>2</sup>	
6	1:40	24	40 m <sup>2</sup>	Perennial weeds

### Gallup® Biograde® Amenity

- ✓ 360g/l glyphosate formulation
- ✓ Clean label – improved safety for the operator and environment
- ✓ No requirement for additional adjuvant
- ✓ Improved rain fastness

Using the standard nozzles giving 250 litres per hectare, assume a full 10 litre knapsack covers 400 square meters and walking at a rate of one meter per second.

Label Rate Litres per hectare (l/ha)	Dilution ratio	Amount of concentrate to add to one litre of water in millilitres	Area covered by one litre of mixed-up spray solution	Area of use
4	1:60	16	40 m <sup>2</sup>	Annual broadleaved weeds & annual grasses
5	1:50	20	40 m <sup>2</sup>	
6	1:40	24	40 m <sup>2</sup>	Perennial weeds

# Gallup Hi-Aktiv® Amenity

- ✓ 490g/l glyphosate formulation
- ✓ Higher active ingredient loading – goes 36% further
- ✓ Clean label – improved safety for the operator and environment
- ✓ No requirement for additional adjuvant

Using the standard nozzles giving 250 litres per hectare, assume a full 10 litre knapsack covers 400 square meters and walking at a rate of one meter per second.

Label Rate Litres per hectare (l/ha)	Dilution ratio	Amount of concentrate to add to one litre of water in millilitres	Area covered by one litre of mixed-up spray solution	Area of use
2.9	1:80	12	40 m <sup>2</sup>	Annual broadleaved weeds & annual grasses
3.7	1:66	15	40 m <sup>2</sup>	
4.4	1:55	18	40 m <sup>2</sup>	Perennial weeds

## Knapsack Do's and Don'ts

✓ DO	✗ DON'T
<ul style="list-style-type: none"> <li>✓ Spray during moderate temperatures as they favour efficacy, 15-25°C ( low temperatures will still give good results but slowly).</li> <li>✓ Best results from spraying morning – lunchtime.</li> <li>✓ Check the nozzle flow rate and lance cut off valve and check for leaks using clean water.</li> <li>✓ Read the Label carefully before use and use the recommended dose rate at all times.</li> <li>✓ Carefully fill the knapsack in a safe handling area taking care to avoid spilling or splashing the concentrate.</li> <li>✓ Clean up thoroughly after every use, triple rinse containers, measuring jugs and place washings in the knapsack and dispose of washings over treated area.</li> <li>✓ Dispose of cleaned waste packaging safely.</li> </ul>	<ul style="list-style-type: none"> <li>✗ Apply when undesired plant is under stress - Target weeds can suffer stress from hot weather, freezing, water-logging or disease. Stress causes reduced metabolism and leads to reduction in transport to the growing points and inferior results.</li> <li>✗ Fill the knapsack over hard surfaces unless they are banded.</li> <li>✗ Take water for spraying directly from a water course, borehole or directly from a domestic supply, unknown elements present may effect the spray.</li> <li>✗ Fill the knapsack near a water course.</li> <li>✗ Allow wash splashes or spills into drains or other open water sources.</li> <li>✗ Overdose when filling the tank or during application, always follow recommended rates for application.</li> <li>✗ Allow spray drift at any time.</li> </ul>



**Barclay Chemicals Manufacturing Ltd**  
 Damastown Way, Damastown Industrial Park,  
 Mulhuddart, Dublin 15, IRELAND.  
 Tel: +353 1 811 2900 Fax: +353 1 833 4678  
 www.barclay.ie

Gallup® Amenity, Gallup® Biograde® Amenity & Gallup Hi-Aktiv® Amenity contain 360g/l glyphosate MAPP 13250, MAPP 12716 & MAPP 12898.

Use plant protection products safely. Always read the label and product information before use. For details of warning phrases and symbols relating to Gallup® Amenity, Gallup® Biograde® Amenity & Gallup Hi-Aktiv® Amenity, and any further product information, please use www.barclay.ie