

Patriot® Non-Selective Contact Herbicide

General Information

Patriot is a non-selective, non-residual, broad spectrum herbicide that controls both grass and broadleaf weeds in a variety of crop and non-crop situations.

Patriot contains 200 grams per litre of glufosinate-ammonium and surfactants in a soluble concentrate formulation.

Patriot is absorbed into foliage and green stems of actively growing plants where it affects the metabolism of ammonia, resulting in necrosis of plant tissues and death. Following application plant growth will cease quickly and symptoms can be seen within 1 to 2 days (depending on the conditions). Plant death follows within 1 to 3 weeks.

Patriot is not systemic, but some limited movement occurs within the plant once applied (e.g. around the leaf). Translocation into the roots is very limited

(i.e. generally not in herbicidally active levels, except for small weeds). This small degree of translocation means that accidental contact of suckers, low shoots and branches of crops and ornamental plants will not harm the plant, apart from damaging the tissue directly contacted.

Best use guide:

- Apply Patriot from spring onwards, when weeds are small and actively growing.
- Ensure thorough coverage of all green plant tissue.
- Patriot will perform better under warm humid conditions; avoid excessively hot days or periods when temperature is typically below 10°C.
- Avoid application of Patriot if rainfall is expected within 6 hours.
- To provide residual control Patriot can be mixed with most common residual herbicides.

Recommendations for use

Use	Rate	Remarks
Berryfruit – Raspberries and Brambles Primocane control	500-750ml/100 litres applied through cone nozzles in sufficient water to ensure complete coverage of primocanes.	Apply as directed high volume spray to primocanes not exceeding 25cm in length. Avoid drift onto foliage of fruiting canes. Use the high rate on vigorously growing crops. The addition of a non-ionic wetter at label rates is recommended. "Knockdown" takes approximately 10 days. Do not apply to plants before the first primocanes for the season have reached 15cm in height. Do not apply to plants under stress.
Orchard and vineyard weed control. Pipfruit, Kiwifruit, Stonefruit, Grapes and Citrus.	Use a rate appropriate to the weeds present. If dilution rate is less than 1 litre/100 litres of water, add a non-ionic wetter at label rates.	Apply in spring when the majority of the annual weeds have germinated. Residual herbicides may be applied in mixture for long-term weed control. Avoid contact with the foliage and immature bark of desirable plants.
Stale seedbed preparation particularly where clover is a problem weed.	3-5 litres/ha in 200-300 litres of water.	Apply to seedling weeds and clover in sufficient water to ensure complete coverage. May be applied up to one day before crop emergence.
Non-crop land. General weed control.	7.5-10 litres/ha in 300-500 litres of water or 100ml/10 litre knapsack.	Apply in drenching spray to the point of run-off. May be mixed with residual herbicides for long-term weed control.

ALWAYS READ THE LABEL FOR FULL INSTRUCTIONS BEFORE RECOMMENDING OR USING.
Registered pursuant to ACVM Act 1997 No. P009264.

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Application

Patriot is a high quality soluble concentrate formulation that mixes readily with water. It is not as sensitive to pH or water cleanliness as glyphosate however clean water should always be the preferred option. Because it is a contact herbicide it needs to be applied in sufficient water to achieve thorough coverage; for most situations

a water volume of 200 to 500 litres per sprayed hectare is sufficient. Nozzle and boom set-up should be done to achieve maximum coverage of all weeds.

Weed Control

INDICATED RATE RANGE FOR VARIOUS WEED SPECIES				
3-5litres/ha:				
Annual poa	Asparagus seedlings	Beaked hawksbeard	Black nightshade	Calandrinia
Chickweed	Cleavers	Clover seedlings	Cornbind	Daisy
Dandelion	Mouse-ear chickweed	Musky storksbill	Redroot	Rough-stalked meadow grass
Scotch thistle	Sow thistle	Staggerweed	Summer grass	Spurrey
Stinking mayweed	Subterranean clover	Wild turnip	Willow weed	Wireweed
5-7.5 litres/ha:				
Bristle grass	Bur medick	Catsear	Chewing's fescue	Clovers
Cut-leaved geranium	Docks	Fleabane	Parsley piert	Prairie grass
Ryegrasses*	Sheep's sorrel	Storksbill	Twin cress	Yorkshire fog
7.5-10 litres/ha				
Broom	Buttercups*	Couch	Crowfoot grass	Field pansy
Gorse	Hawksbeard	Kikuyu grass	Mallows	Paspalum
Tall fescue	Wild strawberry	Willow herb	Yarrow	
10 litres plus/ha				
Bracken	Indian doab	Meadow rice grass	Plantains	Rape
Rushes	Sedges			

Note: Patriot may not control mature weeds with well-developed root systems or underground storage organs.

*Some ryegrass strains and hairy buttercup are resistant to Patriot.

Rain Fastness

Rainfall occurring within 6 hours may reduce the effectiveness, to the extent that re-treatment may be necessary.

Withholding Period

After application of Patriot a withholding period of 28 days applies for all crops before harvest can commence.

Similar Products

- Buster®

Buster® is a registered trademark of BASF.

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