

Pendimethalin 440

Similar to: *Stomp*®

Active constituent	Pendimethalin 440g/L	Formulation	EC
Typical situations	Wheat, barley, canola, chickpeas, faba beans, field peas and lupins (see registration section).		
Chemical group	3 (D)		
Mode of action	Root and shoot uptake, minimal translocation—inhibits cell division and disrupts growth.		
Typical pack size	20L, 110L, 1000L		
Poison schedule 5	Dangerous goods class –	UN –	Packing code –
Withholding period	Harvest Not required when used as directed.		
	Grazing Not required when used as directed.		
Plant back	Vegetable crops between 2–12 months and 12 months for sorghum and millet.		
Application method	Boom spray 50–200L/ha.	Rain fastness	N/A
Efficacy	High water rates assist in stubble penetration and soil coverage. Incorporate within 24 hours to minimise photo degradation and volatilisation. Requires soil moisture for efficacy.		
Adjuvants	None required.		
Compatibility	Ametryn, Atrazine, Diuron, Fluometuron, Glyphosate, Paraquat, Prometryn, Propachlor, Propanil, Linuron, Simazine and most insecticides.		
Incompatibility	–		
Water quality	–		
Time to effects and symptoms	Weeds should not emerge, or if so, they should be stunted, uncompetitive or die.		
4F Broadacre registrations	Wheat, barley, canola, chickpeas, faba beans, field peas and lupins (extract listed).		
4F Other registrations	Irrigated (PSPE) and horticultural crops (see label).		
Similar product registrations	As above.		

Situation	Target Weed/s	Rate/ha	Comments
Barley, wheat, field peas (double incorporation)	Control: Annual ryegrass, wireweed Suppression: Wild oats, silver grass, brome grass, barley grass	1.4 L	Incorporate within 24 hours. Seed should be sown below chemical band (to depth of 20–50 mm).
Wheat, barley, TT chickpeas, faba beans, field peas, oats* (*active permit—suppression of brome grass)		1.4 L	Ensure seed is at least 10mm below chemical band. Use higher rates on heavier soils. Waterlogged conditions may retard canola. Very dry/wet conditions can result in uneven dispersal/control.
Canola		1.4–2.25 L	Incorporate within 24 hours. Seed should be sown below chemical band (to depth of 20–50 mm). Use higher rates on medium to heavy textured soils and the lower rates on light textured soils. Do not apply to canola post plant pre-emergence.
Lupins		1.4 L + simazine at 1.5 kg ai	–

Comments

- Heavy soils with poor structure will lead to uneven/varied levels of control.
- Pendimethalin 440 will achieve comparable ARG control to Trifluralin when used at equivalent rates of active ingredient.
- 4Farmers trial data suggests minimal loss of active ingredient when applied up to 48 hrs before incorporation/sowing.

