

Trifluralin 480

Similar to: *Treflan*®

Active constituent	Trifluralin 480g/L	Formulation EC	
Typical situations	Wheat, barley, canola, chickpeas, faba beans, lupins, rye, triticale, and various horticultural crops (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	Oats, sorghum, millet, and sensitive grass pastures—12 months.		
Application method	Boom spray 70L/ha or greater.	Rain fastness N/A	
Efficacy	High water rates assist in stubble penetration and soil coverage. Incorporate evenly into the root zone as soon as possible to minimise breakdown by sunlight and volatilisation. Requires soil moisture for efficacy.		
Adjuvants	None required.		
Compatibility	Bipyridyls, Diuron, Metribuzin, Metolachlor, Triazines, Tri-Allate, SU Herbicides and insecticides that have an EC formulation.		
Incompatibility	Glyphosate*		
Water quality	Turbid water may affect efficacy.		
Time to effects and symptoms	Prevents weed emergence—if weeds do emerge, they will have severe root pruning and be uncompetitive.		
4F Broadacre registrations	Wheat, barley, canola, chickpeas, faba beans, lupins, and others (extract listed).		
4F Other registrations	Various horticultural crops (see label).		
Similar product registrations	As above.		

Situation	Target Weed/s	Rate/ha	Comments
Wheat, barley, triticale (pre-sowing)	Annual ryegrass, phalaris (suppression), wireweed, fumitory	800 ml (1.5–2L in no till)	Apply 1–4 weeks before sowing and incorporate. Not on heavy soils.
Lupins, peas, canola, safflower (pre-sowing)	Annual ryegrass, barnyard grass, canary grass, caltrop, crab grass, fumitory, Mossman river grass, phalaris, pigweed, redroot, redshank, summer grass, wild oats, winter grass, wireweed	1.2 L (light soil) 1.5 L (medium) 1.7 L (heavy soils)	Use the higher rate when a larger amount of stubble coverage is present. Incorporation must be within 4 hours of application. In Simazine mixes, 20–30 mm of rain must fall, as in its product constraints.
Lupins (pre-sowing)	Capeweed, turnip, radish, doublegee Suppression: Annual ryegrass, wild oats	1.25 L + 2 L Simazine (500) 1.25 L + 2 L Diuron	

Comments

- **Do not** store tank mixes in excess of 24 hours.
- Trifluralin controls germinating seeds, however provides no control of established plants.
- Metolachlor, Prosulfocarb or Tri-Allate are effective tank-mix partners with Trifluralin for pre-seeding IBS ryegrass control.
- Soils with higher levels of clay or organic matter tend to retain more Trifluralin, and thus provide better efficacy.
- *Add 1% ammonium sulphate by volume to reduce antagonism when mixing with Glyphosate.

