

s-Metolachlor 960 EC

Similar to: *Dual Gold*[®], component of *Boxer Gold*[®]

Active constituent	s-Metolachlor 960 g/L	Formulation	EC
Typical situations	Wheat, barley, canola, oats, triticale, and certain pastures (see registration section and label).		
Chemical group	15 (K)		
Mode of action	Root (broadleaf only) and shoot (broadleaf and grass) uptake—inhibit VLC fatty acids, cell division and 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 (broadacre crops).		
	Grazing Do not graze or cut cereals for 8 weeks, canola for 10 weeks and all other crops including pastures for 13 weeks for stock food.		
Plant back	6 months for crops not labelled.		
Application method	Boom spray at least 60L/ha.		Rain fastness N/A
Efficacy	Sufficient rainfall is required within 10 days of application to move product 30–40 mm into the soil profile, allowing contact and uptake through weed roots and shoots.		
Adjuvants	–		
Compatibility	Atrazine, Fluometuron, Glyphosate, Paraquat, Prometryn and Triasulfuron.		
Incompatibility	–		
Water quality	–		
Time to effects and symptoms	Weeds will often not emerge as this product is a pre-emergent herbicide. If emergence is evident, weeds should be quite retarded and uncompetitive.		
4F Broadacre registrations	Wheat, barley, canola, oats, triticale, and certain pastures (extract listed).		
4F Other registrations	Various irrigated and horticultural crops (see label).		
Similar product registrations	As above.		

Situation	Target Weed/s	Rate/ha	Comments
Barley and oats (pre-emergent)	Suppression of annual ryegrass (pre-emergent)	375–500 ml	Post-sowing application must be before crop and weed emergence.
Barley, oats, triticale, wheat, canola (pre-emergent)	Toad rush	150–250 ml	Crop should be sown deeper than 40 mm. Can apply pre-sowing for incorporation by sowing (IBS) in min/no-till systems. Rain must fall within 10 days of application.
Clover pastures, phalaris, cocksfoot	Toad rush	200–250 ml	Apply prior to pasture emergence. Do not use in areas prone to waterlogging.

Comments

- Do not apply to soils containing less than 5% clay in top 30 cm of soil, or if soil exceeds 70% sand.
- Do not use more than once per year.
- **Care:** Wheat is particularly sensitive to Metolachlor—separation of seed and chemical is very important to maximise crop safety.
- Use lower rates on lighter soils, and higher rate on heavier clay soils.
- Higher rates will provide longer residual control, and a higher level of control where heavy infestation is likely.
- Commonly mixed with Diuron (for Oat crops) or Trifluralin to increase efficacy and relieve some resistance pressure.
- Efficacy may be reduced in dryer conditions.
- s-Metolachlor 960 EC is comprised of a higher percentage of the more active s-Metolachlor active ingredient and provides greater efficacy than Metolachlor.
- Approximately 0.5 L s-Metolachlor 960 is equivalent to 0.75 L Metolachlor 960 and 1 L of Metolachlor 720.
- See Equivalent Product Rate Calculator in Appendix to assist with converting between Metolachlor 960 and s-Metolachlor 960 application rates.

