

## 2, 4-D Ester 680

Similar to: Estericide Xtra 680®

Active constituent	2, 4-D ethyl hexyl ester 680g/L			Formulation	EC	
Typical situations	Wheat, barley, oats, pasture, fallow, and other (see registrations section).					
Chemical group	4 (I)					
Mode of action	Foliar and some root uptake, readily translocated—causes unregulated growth.					
Typical pack size	20L, 110L, 1000L					
Poison schedule 6	Dangerous goods class	–	UN	–	Packing code	–
Withholding period	<b>Harvest</b> Not required when used as directed.					
	<b>Grazing</b> Do not graze or cut for hay for 7 days post application.					
Plant back	2–3 weeks in dry soil for legume/broadleaf crops, 4 weeks for canola. If applied to dry soils, at least 15mm of rain must fall before plant back period commences.					
Application method	Boom spray 30–100L/ha, aerial 20–90L/ha.			Rain fastness	6hrs	
Efficacy	<b>Do not</b> spray on stressed weeds.					
Adjuvants	None required.					
Compatibility	Atrazine, Bromoxynil, Clopyralid, Dicamba, Diuron, Sulfonyl Urea's, Paraquat, Diquat, Glyphosate, trace elements (copper sulphate and zinc sulphate), most fungicides and insecticides.					
Incompatibility	Group 1 (A) herbicides, Chlorpyrifos, Diuron in crop.					
Water quality	Hard water (>200ppm calcium carbonate) and salty (>750mS/NaCl) water may reduce efficacy.					
Time to effects and symptoms	3–7 days—twisting stems and cupping leaves.					
	7–10 days—chlorosis at growing point.					
	10–56 days—wilting and death.					
4F Broadacre registrations	Cereals, pastures, fallow and other (extract listed).					
4F Other registrations	Industrial and rights of way (see label).					
Similar product registrations	As above.					

Situation	Target Weed/s	Rate/ha	Comments
Cereals—WA only— (5-leaf to early stem elongation; Z15–Z33) and fallow	London rocket, wild radish, rapistrum, safron, wild turnip	570ml	Effective up to rosette stage. Paterson's curse rosette to flowering.
	Mustards, turnip weed	620ml	Cape tulip pre-flowering.
	Dock, horehound, Mexican poppy, Paterson's curse	800–850ml	
	Cape tulip	1.15L	
Pasture	Rapistrum, safron, wild radish, wild turnip	840ml	
	Mexican poppy, Paterson's curse	880ml–1.5L	
	Dock, London rocket, mustards	1.7–2.5L	
	Cape tulip, horehound	1.7–3.3L	

### Comments

- For Eastern states usage in cereal crops, please consult the label for relevant application timings.
- For clover pastures, wait for clover to reach 3–4-leaf stage before application.
- Application on cereals outside of label recommended timings can cause crop damage and yield reductions. See 4Farmers label recommendations for phenoxy herbicide application on cereal crops in Appendices.
- Ester formulations produce volatile vapours which under certain conditions can travel kilometres.
- Phenoxy herbicides can cause severe damage to susceptible crops (e.g. cotton, oilseeds, grapes, and tomatoes).
- See Equivalent Product Rate Calculator in Appendix to assist with converting between 2, 4-D LV Ester 680 and 2, 4-D Ester 800 application rates.

