

2,4-D LV Ester 680

HERBICIDE

DIRECTIONS FOR USE:**RESTRAINTS:** AVOID spraying if rain is likely within 6 hours or if strong winds prevail.

DO NOT apply if crop or weeds are stressed due to dry or excessively moist conditions.

DO NOT use when breeze is blowing towards nearby susceptible plants.

1. FIELD CROPS

SITUATION & CROP	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Wheat, Barley	Refer Weed Table	Vic only	210-800 mL	CROP STAGES: ALL CEREALS Variations between varieties do occur. Check sensitivity and growth stages of varieties before applying. Damage may result if applied too early. Vic only: Apply at tillered to boot stages. NSW, ACT only: Apply when the first node can be felt at the base of a tiller and before swelling of the head can be felt in a tiller. Qld only: Apply from mid-tillering (5 to 6 fully emerged main stem leaves plus one or more tillers) to before boot stage (visible swelling of the head at the top of the main stem). SA, Tas only: Apply from completion of tillering to early jointing stage. WA only: Apply from the 5 leaf stage up to jointing stage (Zadoks 15-33). Apply only at 6 leaf stage for cranbrook and jacup wheats (Zadoks 16) to avoid possible damage.
		SA only	230-800 mL	
		Qld, NSW, ACT only	410-800 mL	
		Tas only	620-800 mL	
		WA only	800 mL	
Triticale		Qld, NSW, ACT only	410-800 mL	
		SA only	240-820 mL	
		Vic only	210-800 mL	
Cereal Rye		Qld, NSW, ACT only	410-800 mL	
		Vic only	210-800 mL	
Sugar Cane		Qld only	1.15-2.4 L	Post-emergence.
Stubble/Fallow Spray Prior to Direct Drilling or Sowing. Winter Cereals, Grain legumes (Peanuts Qld only), Canola		All States	210-800 mL/ha	Observe the plant back periods given in the table in this leaflet. Must be tank mixed with a knockdown herbicide such as Roundup* PowerMAX, Credit* Broadhectare herbicide plus Bonus*, Roundup* CT, Glyphosate CT, Nuquat* 250 or Spray•Seed*/Revolver*. Select appropriate rate from the weed table. For Skeleton Weed, spraying should only be done 6-8 weeks before anticipated sowing date and subsequent cultivation limited to a minimum.
Harvest Aid or Salvage Spray	Broadleaf Weeds	All States	1.7 L	Apply after dough stage of crop. Interval between application and effectiveness is 10-20 days. For desiccation of green matter, estimate harvest date and apply spray approximately 14 days earlier. Rain between spraying and actual harvest can negate results. Note: Where thistles are tall and branching above the crop, spraying can turn the branches down into the crop, presenting more stalks to cause header comb blockages. Spraying may increase seed contamination of harvest by accelerating maturity. DO NOT use with undersown legumes that have not set seed.
- Winter Cereals	Refer to Weed Table			
Potatoes Pre-harvest Preparation	Broadleaf Weeds such as Clover, Variegated Thistle & Cruciferous weeds	Vic, Tas only	1.15-2.4 L	Apply approximately 4 to 5 weeks before harvest after the potato haulms have dried off. Use the highest rate where weeds are more than 30 cm in height. For boom spraying apply at least 100 litres of spray mixture per hectare. If grasses such as Rye Grass and Winter Grass are also present add Amitrole* T Herbicide.

2. PASTURES, NON-AGRICULTURAL, INDUSTRIAL**REFER TO SECTION "SPRAY APPLICATIONS AND DRIFT RISK ASSESSMENT" BEFORE APPLICATION.**

SITUATION & CROP	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Improved Pasture containing Clovers	Refer Weed Table	Qld, NSW, ACT, Tas, SA only	410-800 mL	Clover must be well covered by the grass or extensive damage may result.
		Pastures – non legumes, Rights of Way & Industrial	Qld, NSW, ACT, Tas, SA, WA only	800 mL-4.7 L
Pastures – Direct Drilling or Surface Sowing	Charlock, Clover, Medics, Mustards, Paterson's Curse, Saffron, Slender, Variegated and Spear Thistles, Turnip Weed, Wild Radish, Wild Turnip	Qld, NSW, ACT, Vic, Tas, SA, WA only	800 mL-1.5 L (Aerial Application)	Apply to young, actively growing weeds. SOWING: DO NOT sow pasture seed for at least 21 days after application. If soil moisture is dry, delay sowing for at least 30 days.
			800 mL-1.15 L (Ground Application)	
			3.3-4.7 L (Aerial or Ground)	
	As Above plus: Capeweed, Wireweed, Storksbill/Erodium, Flatweed, Horehound (seedlings), Skeleton Weed, Nodding or Star Thistles		As above plus Agricrop Propon or Roundup* PowerMAX or Credit* plus Bonus* or Glyphosate CT or Roundup* CT or Weedmaster* Duo	
	St John's Wort			
	All of Above plus grasses			

3. SPOT SPRAYING

SITUATION & CROP	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Spot Spraying (All Situations)	Refer to Weed Table	All States	1/100th of rate on Weed Table per 10 L water per 100m ²	Apply through Knapsack. Thorough wetting of weed is essential.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**IN TASMANIA, THIS PRODUCT MAY ONLY BE USED FROM 15TH APRIL TO 15TH SEPTEMBER UNLESS OTHERWISE PERMITTED BY THE REGISTRAR OF PESTICIDES.****WITHHOLDING PERIOD (WHP): PASTURES, CEREAL CROPS – DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.****HARVEST WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.****GENERAL INSTRUCTIONS**

Before opening, carefully read Directions For Use, Precautionary Statements, Safety Directions and First Aid Instructions.

APPLICATION INFORMATION

This product may be used in either high or low volume sprays. Just pour into water and stir.

BOOM SPRAYING - Use 30-100 litres water per hectare.**AERIAL SPRAYING** - Use 10-90 litres water per hectare.**Note:** Refer to the Department of Agriculture/Primary Industries in your state for the current restricted spraying areas.**SPRAY APPLICATIONS AND DRIFT RISK ASSESSMENT**

USE ONLY when wind speed is more than 3 kilometres per hour or less than 15 km/h, as measured by an anemometer at the application site. USE ONLY coarse to very coarse spray according to the ASAE S572 definition for standard nozzles.

Checklist:

- Have you cleaned/decontaminated your boom sprayer?
- Have you contacted your neighbour prior to spraying?
- Is your sprayer set-up correctly for the particular application?
- Check
 - boom calibration - at nozzle
 - nozzle choice - low drift/what spray quality - coarse to very coarse droplet?
 - boom height
 - speed of intended application
- You must check, determine and record the weather conditions immediately prior to, and immediately after the spray application is made.
- Record
 - Temperatures
 - Relative Humidity
 - Delta T
 - Wind speed (min 3km/hr, max 15km/hr)
 - Is there a temperature inversion?
- Night Spraying - Extra care is required to ensure that inversion conditions are not present. Use smoke generator to determine wind direction and presence of inversion conditions.

EQUIPMENT MAINTENANCE AND USAGE

Keep the spray unit for herbicides only if possible. Otherwise wash out the unit with hot soapy water followed by several clear water rinses. DO NOT use wooden spray vats as they can not be cleaned. Hoses cannot be cleaned and new hoses should be fitted when the unit is to be used for any other purpose.

COMPATIBILITY

This product can be tank mixed with Kamba* 500, Glean*/Lusta*, Nuquat* 250, Agricrop Propon*, Nutrazine* (900DF & Flowable), Credit*/Bonus*, Weedmaster* Duo, Roundup* PowerMAX, Roundup* CT, Nufarm Glyphosate* CT, Ally*/Associate*, Logran*/Nugran, Spray•Seed*/Revolver*, Invader* 600, Comet* 200.

TANK MIXING INSTRUCTIONS

- Fill the spray tank 1/4 full with water and agitate.
- Add wettable powders and water dispersible granules first.
- Agitate until these are uniformly dispersed, while adding water until the tank is 90% full.
- Add suspension concentrates (flowables) then soluble concentrates. Add emulsifiable concentrates last.
- Top up the tank with water and continue agitation until all the ingredients are properly mixed.
- Observe any mixing sequence instructions specifically stated on the tank mix products.

