

For REFILLABLE containers (110L, 1000L): Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

Poisonous if swallowed. Avoid contact with eyes and skin. DO NOT inhale spray mist. When preparing spray, wear PVC or rubber apron, elbow length PVC gloves and face shield. When using the prepared spray, wear face shield. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms, and face thoroughly with soap and water. After each day's use wash gloves, face shield and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone: Australia 13 11 26).

MATERIAL SAFETY DATA SHEET

For further information, refer to the Material Safety Data Sheet (MSDS) which is available from the supplier.

NOTICE TO BUYER

Grow Choice Pty. Ltd. will not be held liable for any loss, injury or damage, indirect or consequential, arising from the sale, supply, use or application of this product. The product is not to be used for any purpose or in any way contrary to label instructions.

POISON
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE
OPENING OR USING

CHOICE
2,4-D-ESTER
680 HERBICIDE

ACTIVE CONSTITUENT:

680 g/L 2,4-D present as the ETHYLHEXYL ESTER

GROUP

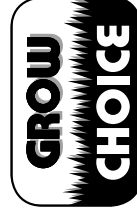
1 HERBICIDE

A low volatile herbicide for selective control of various weeds in crops, pastures and non agricultural areas according to the Directions for Use.

IMPORTANT: READ THIS BOOKLET BEFORE USING THIS PRODUCT

This is a PHENOXY HERBICIDE that can cause severe damage to native vegetation and susceptible crops such as cotton, grapes, tomatoes, oilseed crops and ornamentals.

APVMA Approval No: 66472/53708



GROW CHOICE PTY LTD
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Situation & Crop	Weeds Controlled	State	Rate (per ha)	WHP (days)	Critical Comments	
Wheat, Barley	Refer to Weed Table	Vic only	210-800 mL	7	CROP STAGES: ALL CEREALS WA, Vic only: Apply at tillered to boot stages. NSW only: Apply after 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. SA only: 230-800 mL Tas only: 620-800 mL WA only: 800 mL Qld, NSW, SA only: 410-800 mL Vic only: 210-800 mL NSW, Qld, Vic only: 410-800 mL Vic only: 210-800 mL NSW, Qld, Vic only: 210-800 mL Vic only: 1:1-2:4 L Qld only: 1:1-2:4 L	
		Cereal Rye				
		Sugar Cane				
		Stubble/Fallow				
		Spray prior to Direct Drilling or Sowing				
		Winter cereals				
		Grain legumes				
		(Peanuts - Qld only), Canola				
		All States	210-800 mL	N/A	Observe the plantback periods given in the table in this leaflet. Must be tank mixed with a knockdown herbicide such as glyphosate, paraquat or paraquat/diquat (e.g. Knickknock 250 Herbicide). Select appropriate rate from the Weed Table. For stubble weed spraying should only be done 6-8 weeks before anticipated sowing date and subsequent cultivation limited to a minimum.	

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1. FIELD CROPS

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.

These resistant weeds will not be controlled by Choice 2,4-D Ester 680 Herbicide or Group I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Grow Choice Pty Ltd accepts no liability for any losses that may result from the failure Choice 2,4-D Ester 680 Herbicide to control resistant weeds.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT spray in high winds.
DO NOT spray crops or weeds outside the stages indicated in the CRITICAL COMMENTS as damage, loss of yield or inadequate weed control may result.

Legume Tolerance: If clovers are present, care should be taken to ensure that they have reached the 3-4 leaf stage before spraying. Rates above 410 mL of this product per hectare will destroy most clovers, whilst lucerne and medics are susceptible at any strength.

Drift Warning: DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray drift onto nearby susceptible plants, adjacent crops, crop lands or pastures. In particular, avoid spray drift and vapour movement onto susceptible crops such as: cotton, tobacco, tomatoes, vines, fruit trees, ornamentals, oil seed and legume crops and other susceptible plants and trees (e.g. Kurrajongs, Belahs, Eucalypts).

- DO NOT use unless wind speed is more than 3 kilometres per hour and less than 15 kilometres per hour as measured at the application site.
- DO NOT apply with smaller than coarse to very coarse spray droplets according to the ASAE S572 definition for standard nozzles.

PROTECTION OF LIVESTOCK

Low hazard to bees. May be applied on any plants at any time as recommended in the Directions for Use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used container.

STORAGE AND DISPOSAL

This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple or preferably pressure rinse containers before disposal. Dispose of rinseate by adding it to the spray tank. DO NOT dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection point or similar container management program site. The cap should not be replaced but may be taken separately. If not recycling, break, crush, or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Do not burn empty containers or product.

GENERAL INSTRUCTIONS

Before opening, carefully read DIRECTIONS FOR USE, PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS, 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/ha.

Aerial Spraying - Use 10-90 litres water/ha.

Note: Refer to the Department of Agriculture / Primary Industries in your state for the current restricted spraying areas.

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 cannot 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 atrazine, dicamba, Chlorsun 750 Herbicide, Triclon 600, glyphosate, Metsun 600 Herbicide, Kwicknock 250 Herbicide, Restrain 200 Herbicide and Tryon 750 Herbicide.

NOTE:

1. As formulations of other manufacturers' products are beyond the control of Grow Choice all mixtures should be tested on a small scale before mixing in the spray tank.
2. Tank mixing instructions:
Fill the spray tank 1/4 full of water and agitate. Add wettable powders and water dispersible granules first. Agitate until these are uniformly dispersed, meanwhile adding water until the tank is 90% full. Add suspension concentrates (flowables) then soluble concentrates. Emulsifiable concentrates go in last. Top off the tank with water and continue agitation until all the ingredients are properly mixed.

Observe any mixing sequence instructions mentioned on the tank mix products.

RESISTANT WEEDS WARNING

GROUP | **HERBICIDE**

Choice 2,4-D Ester 680 Herbicide is a member of the phenoxy group of herbicides. Choice 2,4-D Ester 680 Herbicide has the disruptors of plant cell growth mode of action. For weed resistance management Choice 2,4-D Ester 680 Herbicide is a Group I herbicide. Some naturally occurring weed biotypes resistant to Choice 2,4-D Ester 680 Herbicide and other Group I herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly.

Harvest Aid or Salvage Spray	Refer to Weed Table	Broadleaf Weeds	All States	1.7 L	7	Apply after dough stage of crop. Interval between application and effectiveness is 10-20 days. For desiccation of green matter, estimate harvest date and spray approximately 14 days earlier. Rain between spraying and actual harvest can negate results. NB. Where thistles are tall and branching above 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.	Apply approximately 4 to 5 weeks before harvest where 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 L of spray mixture per hectare. If grasses such as rye grass and winter grass are also present add amitrole.
Winter Cereals							
Potatoes Pre-harvest		Broadleaf weeds such as Clover, Variegated thistle & Cruciferous weeds	Vic, Tas only	1.1-2.4 L	N/A		

Situation & Crop	Weeds Controlled	State	Rate (per ha)	WHP (days)	Critical Comments
Improved Pasture containing Clover	Refer to Weed Table	Qld, NSW, SA, Tas only	410-800 mL	7	Clover must be well covered by the grass or extensive damage may result.
Pastures – non legumes, Rights-of-Way, Industrial		Qld, NSW, SA, Tas, WA only	800 mL-4.7 L		Control of most perennial weeds, but due to the rooting habits of most species control may take a number of years. Damage may result to legumes in pasture.
		Vic only	800 mL-4.7 L		Boom spray.
		NSW only	800 mL-1.5 L (Aerial application)		Apply to young, actively growing weeds. SOWING: Do not sow pasture seeds for at least 21 days after application. If soil moisture is dry, delay sowing for at least 30 days.
			800 mL-1.1L (ground application)		
			3.3-4.7 L (Aerial or Ground)		
			As above plus glyphosate		

NOTES:

- 1 In Queensland, no rainfall is required to fall prior to commencement of Plantback Period for barley triticale, and wheat.
- 2 In Queensland, planting of canola / rapeseed, chickpeas and safflower must be delayed for at least 14 days following rainfall of at least 15 mm
- 3 In Central Queensland, when using 830 mL/ha or less of Choice 2,4-D Ester 680 Herbicide, the Plantback Period for sorghum and sunflower is 1 day irrespective of rainfall.
- 4 In WA the Plantback Period for lupins at all rates is 28 days.

Plantback Period (days) for Choice 2,4-D Ester 680 Herbicide

CROP	RATES	
	Up to 510 mL/ha	1.1 to 1.6L/ha
Balansa Clover	7	10
Barley ①	1	3
Chickpeas ②	7	21
Cotton	10	21
Faba Beans	7	10
Field Peas	7	14
Lenilis	7	10
Linseed	7	14
Lucerne	7	10
Lupins ③	7	21
Medics	7	10
Narlon Beans	7	10
Navy Beans	10	14
Oats	3	7
Perennial Ryegrass	7	10
Persian Clover	7	10
Phalaris	7	10
Canola/Rapeseed ④	14	28
Rice	7	14
Safflower ⑤	7	21
Sorghum ⑥	3	10
Soybean	14	21
Sub - Clover	7	10
Sunflower ⑦	7	14
Triticale ⑧	1	7
Verch	7	10
Wheat ⑨	1	7
White Clover	7	10

IMPORTANT
WHEN APPLIED TO DRY SOILS AT LEAST 15 MM OF RAIN MUST FALL PRIOR TO THE COMMENCEMENT OF THE PLANT BACK PERIOD.

3. SPOT SPRAYING

Situation & Crop	Weeds Controlled	Spot spraying (All situations)
		Refer to Weed Table
State		All States
Rate		1/100th of rate on Weed Table per 10 L water per 100 m ²
WHP (days)		7
Critical Comments		Apply with a knapsack. Thorough wetting of weeds 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: PASTURE, CEREAL CROPS - DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION

HARVEST WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED

WEED TABLE:
 NOTE: Where weeds are to be sprayed in a CROP or PASTURE, use only the rates given for the crop in the table below. In most cases this will give control, however some hard to kill weeds or those in advanced stages of growth may only be suppressed, e.g. *Rumex* spp. (docks) and *Polygonum* spp. (wreweed, climbing buckwheat) are killed to ground level only.

CRITICAL COMMENTS	WEEDS CONTROLLED									
	APPLICATION RATE (PER HECTARE)									
	CROP					PASTURE - NON-LEGUMES				
	Vic	SA	Tas	NSW	QLD	WA	Vic	QLD, NSW, SA, Tas, WA only		
<i>Amaranthus</i> spp.	-	-	-	800 mL	-	-	-	-	-	-
Angled Onion	-	-	-	-	-	-	800 mL-1.7 L	800 mL-1.7 L	Spray when buds forming or early flowering.	-
Apple of Sodom	-	-	-	-	-	-	2.9-3.3 L	1.7-3.3 L	Spray from seeding to pre-flowering. Use higher rate as plant matures.	-
Bathurst Burr	-	-	-	800 mL	-	-	1.7-3.3 L	1.7-3.3 L	Spray from seeding to pre-flowering. Use higher rate as plant matures. DO NOT cultivate these infestations.	-
Black Knapweed	-	-	-	-	-	-	3.3 L	3.3 L	Spray from seeding to pre-flowering. Use higher rate as plant matures.	-
Buffalo Burr	-	-	-	-	-	-	800 mL-1.1 L (not Qld & WA)	800 mL-1.1 L	Spray from seeding to pre-flowering. Use higher rate as plant matures.	-
California Burr	-	-	-	800 mL	-	-	1.7-3.3 L	1.7-3.3 L	-	-
Catpaw	-	-	-	620-800 mL	-	-	1.7-3.3 L	1.7-3.3 L	-	-
Cape Tulip	-	-	-	-	-	1.1 L	3.3 L	1.7-3.3 L	Spray before flowering.	-
Capeweed	800 mL	800 mL	800 mL	530-800 mL	-	-	2.5-3.3 L	2.5-3.3 L	Spray up to rosette stage.	-
Charlock	410 mL	410 mL	410 mL	410 mL	-	-	800 mL	800 mL	-	-
Clover	-	-	-	620-800 mL	-	-	-	-	-	-
Colocynth	-	-	-	-	-	-	3.3 L	3.3 L	Spray at seeding stage only.	-

Wild Teasel	-	-	-	-	-	-	1.7-3.3 L	800 mL	Spray at rosette stage. Use higher rate as plants mature.
Wild Turnip	210 mL	230 mL	800 mL	410-800 mL	-	-	400 mL	400 mL	Spray up to rosette stage.

