

**POISON**

**KEEP OUT OF REACH OF CHILDREN**

**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**



# Aminex 700

SELECTIVE HERBICIDE

**ACTIVE CONSTITUENT:**

700g/L 2,4-D present as DIMETHYLAMINE & DIETHANOLAMINE SALTS

**GROUP I HERBICIDE**

For the control of broadleafed weeds in fallow before direct drilling or sowing of cereals and pastures; and in cereal crops, pastures, sugar cane, peanuts and non-agricultural areas as per the Directions for Use.

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE**

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**20L, 110L, 1000L**

BATCH NO:

DATE OF MANUFACTURE:

**DIRECTIONS FOR USE:****RESTRAINTS:**

DO NOT spray if rain seems 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.

**1. FIELD CROPS**

SITUATION & CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS
Wheat	Refer Weed Table	NSW, ACT, SA only	285mL-1.5L/ha	Apply after the first node can be felt at the base of a tiller and before swelling of the head can be felt in a tiller (NSW, SA only).  Apply from tillering to boot stage (Vic only).  Apply from mid tillering to before boot stage (Qld only).  Apply at 5 leaf to fully tillered (Tas only).
		Vic only	200mL-1.25L/ha	
		Qld only	500mL-1.25L/ha	
		Tas only	715mL-1.25L/ha	
Barley		NSW, ACT, SA only	285mL-1.25L/ha	
		Vic only	200mL-1.25L/ha	
		Qld only	500mL- 1.25L/ha	
		Tas only	715mL-1.25L/ha	
Cereal Rye, Triticale		NSW, ACT, SA only	285mL-1.25L/ha	
		Vic only	200mL-1.25L/ha	
Oats		NSW, SA only	285mL-715mL/ha	
		Vic only	200mL-715mL/ha	
Cereals: Wheat, Oats, Barley		Cape Tulip	WA only	
	Dock, Flatweed, Saffron Thistle	1.0L/ha		
	Indian Hedge, Mustard, London Rocket, Lupin, Matricaria, Rapistrum, Wild Radish	715mL/ha		
	Wild Turnip	570mL/ha		
	Capeweed, Doublegee, Erodium, London Rocket, Lupin, Mustard, Rapistrum, Wild Radish, Wild Turnip	170mL/ha plus 500L/ha Flowable Diuron (500g/L)		Apply when crop has 4-5 leaves and most weeds have germinated and are in 2-5 leaf stage. Crop and weeds should be dry at time of application. Some temporary yellowing of crop may occur after application. Undersown subclovers may be slightly retarded. DO NOT apply to undersown medics.  <b>TANK MIXTURES: Read and follow all label directions including restraints, spray drift restraints, mandatory no-spray zones, critical comments, withholding periods, regional use restrictions and safety directions for the tank mix products.</b>

SITUATION & CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS
Wheat, Barley	Wild Radish	NSW, ACT, Vic, SA only	70mL/ha plus 850g/ha Bayer Tribunex Herbicide*	Spray 2-6 weeks after sowing and not later. DO NOT use on crops undersown with lucerne.
<b>Fallow, Stubble:</b> Spray prior to direct drilling or sowing a) Winter Cereals, Grain legumes (peanuts Qld only) and Canola	Refer Weed Table	All States	200mL-1.5L/ha	Observe plant back periods given in the table on this leaflet. Can be mixed with Chlorsulfuron 750g, Paraquat 250g, or Spray. Seed* where grasses are present. Select an 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.
Millet	Refer weed table	NSW, ACT, Vic, SA only	500mL-1.0L/ha	Spray when secondary roots have developed when fully tillered and before heads start to form at the base of the tillers.  DO NOT use on panorama millet or panicum.
		Qld only	500mL- 800mL/ha	
Saccaline, Broom Millet, Millet	Cape Tulip, Dock, Saffron Thistle, Indian Hedge Mustard, London Rocket, Lupin, Rapistrum, Radish, Wild Turnip	WA only	1.0L/ha	Spray when crop is 10-30cm high and secondary roots have developed and before tasselling. Apply as direct spray to weeds.
Sugar Cane (Q80, Q96, & H56 varieties)	Bellvine	Qld, NSW only	250mL/100L water	Apply in spring, using directed spray.
	Morning Glory		500mL to 1.0L/ha	Apply in summer using high clearance tractor.
	Pink Convolvulus, Star of Bethlehem		1.0L/ha	Apply in autumn by aircraft.
Sugar Cane	Bindy Eye (Star Burr), Blue Top, Cobblers Pegs, Fleabanes, Jute, Leucas, Needle Burr, Spear Thistle, Water Primrose, Ipomea Vines, Convolvulus Vines	Qld only	1.25L-3.1L/ha	Add 60-120mL of 600g/L non-ionic surfactant to 100L of spray mixture. Agitate well. DO NOT use on Q63, Q67, Q80 or Q96 Varieties.
	Chinese Mint, Blue Snakeweed		3.1L/ha	
Peanuts	Broadleaf Weeds; except Noogoora Burr, Grasses except Mossman Burr	Qld only	1.6L-3.2L/ha	<b>LOWER RATE:</b> Apply as BAND SPRAY as soon as possible after planting in a 55cm band. <b>HIGHER RATE:</b> Apply as OVERALL SPRAY after planting and before crop emergence.  Some crop damage may occur if heavy rain falls between application and crop emergence.
Harvest Aid or Salvage Spray Winter Cereals	Dessicate Broadleaf Weeds Refer Weed Table	All States	1.0L-1.5L/ha	Apply after dough stage.

SITUATION & CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS
Bananas	To destroy Banana suckers	Qld only	145mL/10L water	Inject at the rate of 15mL per fully grown plant, 10mL per medium sized plant and 5mL for small suckers.
			285mL/100L water	Allow suckers from corms of treated plants to form broad adult leaves, then spray. Isolated spots may require a second spray.
Common Stylo forage or seed crops	Refer to Weeds Table		715mL/ha	Apply post-emergence when weeds are 3 weeks old and crop is at least 3 weeks Old.
Carribean Stylo forage or seed crops			715mL-1.25L/ha	Apply post-emergence when crop is 3 weeks old.

## 2. PASTURES, NON AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS

SITUATION & CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS
Pastures and Non- Agricultural	Refer Weed Table	Qld, NSW, ACT, Tas, SA only	500mL-1.5L/ha	Pasture legumes including lucerne, clovers and medics may be damaged unless well protected by grasses. Spot spraying is preferred.
	Galvanised Burr	NSW, ACT only	285mL/100L water	Apply to young actively growing weeds. Ensure thorough and even coverage of plants. <b>Note:</b> Treated plants need to be burnt to destroy seeds.
	Amsinckia, Docks, Bindweed, Caltrop Flatweed, Spear Thistle, Capeweed, Saffron Thistle, Mustard, Wild Radish, Wild Turnip, Annual Thistles, Paterson's Curse, Heliotrope, Ragwort, Three Corned Jack (Doublegee, Spiny Emex)	WA only	1.0L-2.1L/ha	For pastures not containing legumes. Only seedling Docks, Spear Thistle and Saffron Thistle will be controlled. <b>SUMMER WEEDS:</b> Use low rate for seedlings, 1.25-2.1L/ha for larger plants. Stock poisoning may occur when grazed after spraying if large amounts present, particularly Heliotrope. <b>WINTER WEEDS:</b> Use low rate for seedlings, 1.25-2.1L/ha for larger plants. If stock present, use spray/grazing rates.
	Afghan Melons		1.25L/ha plus 1% crop oil	Spray when plants are actively growing preferably before flowering or vining.
	Paddy Melons		715mL-1.0L/ha	
	Prickly Saltwort (Roly Poly)		1.25L/ha	Spray when plants are small.
	Stinkwort		1.25L-2.85L/ha plus surfactant	Best results are obtained when plants are small. Use high rate on larger plants.
	Dove Weed		2.85L/ha	Spray after good emergence of seedlings.

SITUATION & CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS
Pastures, Rights of Way and Industrial	Boxthorn, Boneseed, Hawthorn	Vic, SA only	70mL/10L water	Spot Spraying. For boneseed only, thoroughly wet plants or seedlings.
			Undiluted	Apply as an undiluted spray to freshly cut stumps.
	Groundsel	Qld, NSW, ACT, SA only	850mL/15L water	<b>MISTING:</b> Lightly wet plants.
			285mL/100L water	<b>HIGH VOLUME:</b> Thoroughly wet plants.
		Tas only	215mL/15L water	<b>CUT STUMP:</b> Swab the cut stump immediately.
				Apply by a pouring can or Knapsack spray.
		Qld, NSW, ACT, SA, Tas only	2.6L-3.9L/ha	<b>AERIAL APPLICATION:</b> Spray when Groundsel is actively growing.
	Lantana	Qld, NSW, ACT, SA only	285mL/100L water	Use a coarse spray with sufficient pressure to penetrate canopy and wet stems as well as foliage. Spray at the end of a wet summer (March to May). Defoliation should occur but respraying of new growth will be necessary in following Autumn. Broadcast grass seed and keep stock off following summer to allow the pasture to establish. Damage may result to pasture legumes.
	Mother of Millions	NSW only	360mL/100L water	Hand gun and Knapsack only. A thorough coverage of leaves and plantlets is necessary. Use 1000g/L non-ionic surfactant at the rate of 1mL of surfactant per 1L of mixture.
	Noogoora Burr, Weir Vine (Ipomea), Scarlet Pimpernel (seedlings only), White Eye (Mexican Clover)	Qld only	145mL/100L water	In all cases apply to young, actively growing weeds, ensuring thorough coverage.
	Annual and Perennial Pigweed, Artichoke Thistle, Bathurst Burr, Billygoat Weed, Blue Snake Weed, Burr Medic, Clockweed*, Fleabanes, Galvanised Burr, Hemlock, Hoary Cress+, Kyalinga Weed (Whisker Grass), Knobweed, Milky Cotton Bushes, Parthenium Weed, Paterson's Curse, Saffron Thistle, Star Burr, Thornapple, Variegated Thistle*	Qld only	285mL/100L water	In all cases apply to young, actively growing weeds, ensuring thorough coverage. * Spray rosette stage. + Repeat spraying necessary.
	Rubber Vine	Qld only	145mL/10L water	Apply to freshly cut stump.

SITUATION & CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS
Pastures, Rights of Way and Industrial – <i>continued</i>	Sesbania Pea	Qld only	500mL-800mL/ha	Apply to freshly cut stump
	Water Hyacinth		3.1L-4.75L/ha	Apply to 2200 to 3300L water/ha
	Wild Tobacco Tree		215mL/15L water	<b>Cut Stump Treatment:</b> Swab cut stump within 1 hour of cutting. Apply by pouring can or knapsack sprayer.
Conservation Tillage - Direct Drilling, Surface Sowing or Fallow Maintenance	Charlock, Mustards, Shepherd's Purse, Saffron, Slender, Spear and Variegated Thistles*, Turnip Weed, Wild Radish, Wild Turnip	All States	500mL-1.25L/ha	Apply to actively growing young plants. <b>Before sowing:</b> Observe plant back periods given in the table on this leaflet. <b>Warning:</b> Treated plants may become toxic to stock.
	Clover, Sorrel		1.0L/ha plus 700mL-1L/ha of Dicamba 200g	Apply to actively growing plants in Autumn. DO NOT sow pasture seed for at least 30 days after application.
Pastures – Spray/Graze Techniques				<b>*PRECAUTION:</b> An increased quantity of poisonous plants may be eaten by stock using Spray-Graze eg. caltrop, capeweed, paterson's curse, variegated thistle and deaths could result from causes such as nitrate poisoning. With paterson's curse, preferably graze stock soon destined for slaughter and avoid extended periods of grazing. Avoid grazing with young or breeding stock. DO NOT graze horses or pigs on Paterson's Curse.
	Amsinckia, Thistles, Capeweed, Doublegee, Mustard, Paterson's Curse, Wild Turnip, Wild Radish, Docks, Geranium, Erodium	SA only	500mL/ha	Apply from 6 weeks after opening rains in Autumn until the end of August. Seven days after spraying stock paddock at 4-5 times normal rate, preferably with sheep. Maintain this level of grazing for 6 weeks or until pasture shows signs of over grazing. Then return to normal stocking levels. Use high stocking rates in following spring to prevent weeds from flowering. Repeat treatments may be required for 2-3 years for complete control.
	Annual Thistles, Capeweed, Doublegee, Mustards, Paterson's Curse, Turnip, Saffron Thistle, Spear Thistle, Geranium, Slender Thistle	Vic, Tas only		

SITUATION & CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS
Pastures – Spray/Graze Techniques - <i>continued</i>	Amsinckia, Docks (Seedling only), Capeweed, Doublegee, Mustard, Wild Radish, Wild Turnip, Paterson's Curse, Annual Thistles	WA only	535mL-715mL/ha	Apply from 6 weeks after opening rains in Autumn until the end of August. Seven days after spraying stock paddock at 4-5 times normal rate, preferably with sheep. Maintain this level of grazing for 6 weeks or until pasture shows signs of over grazing. Then return to normal stocking levels. Use high stocking rates in following spring to prevent weeds from flowering. Repeat treatments may be required for 2-3 years for complete control.
	Spear Thistle, Saffron Thistle		1.0L/ha	Apply to saffron thistle at the end of September when plants are running up to flower. Sub- clovers may be damaged at this rate and use is not recommended for all medic pastures.
	Melons		1.25L/ha + 1 % oil	Heavy stocking on young plants sprayed with 715mL/ha provides effective control.
	Docks	Vic only	1.0L/ha	Apply in September only and follow other recommendations above.
	Caltrop, Capeweed, Charlock, Mustards, Paterson's Curse, Shepherd's Purse, Saffron, Slender, Spear or Variegated Thistle*, Turnip Weed, Wild Radish, Wild Turnip	NSW, ACT only	250mL-1.0L/ha	Spray actively growing 6-8 week old weeds. Introduce stock 7-10 days after spraying, preferably sheep (cattle are less effective). Stocking rate should be at least 5 times heavier than normal until weeds have been reduced, but before survival of desirable pasture species is threatened. Lucerne and medics may be damaged and should be grazed short before spraying. Other legumes may be affected.
Lawns, Playing fields	Refer Weed Table	Qld, NSW, ACT only	1.3mL-2.6mL/1L of water or 1.25L-2.85L/ha	Wet foliage thoroughly. DO NOT mow lawn for 1 week before and at least 1 week after application.
		WA only	35mL per 10-15L water/100m <sup>2</sup>	DO NOT use on Buffalo grass (WA only).

### 3. SPOT SPRAYING

SITUATION & CROP	WEEDS	STATE	MIXING RATES/ COMMENTS
High Volume Spraying	Refer to Weed Table	All States	Add 1/10th of rate on weed table to 150L of water. Each 150L of mix will cover 1000m <sup>2</sup> (1/10th ha) e.g. If rate in weed table is 1.25L – use 125mL/150L water.
Knapsack Application	Refer to Weed Table		Add 1/10th of rate on weed table to 10L of water. Each 10L of mix will cover 100m <sup>2</sup> (1/100th ha). eg. If rate in weed table is 1.25L – use 125mL/10L water.

MAXIMUM TOLERANCE FOR USE IN WHEAT, BARLEY, OATS AND TRITICALE INCLUDING TOLERANCE FOR UNDERSOWN LEGUMES							
Crop	Qld	NSW, ACT	Vic	Vic	SA	WA	Tas
			Early Tillering	Tillered Boot Stage		Tillered to Boot (Z15-35)	Tillered to Boot (Z15-35)
Cereal Rye	–	–	–	–	1.25L/ha	–	–
Wheat	1.6L/ha	1.5L/ha	200mL/ha	1.25L/ha	1.5L/ha	1.5L/ha	1.5L/ha
Barley	1.25L/ha	1.25L/ha	200mL/ha	1.25L/ha	1.25L/ha	1.25L/ha	1.25L/ha
Oats	–	715mL/ha	200mL/ha	715mL/ha	800mL/ha	1.0L/ha	–
Triticale	–	1.25L/ha	200mL/ha	–	1.25L/ha	1.5L/ha	715mL/ha
Undersown Clovers	–	–	200mL/ha	–	–	610L/ha	500mL/ha
Undersown Medics	–	–	200mL/ha	–	–	NIL	500mL/ha
Undersown Lucerne	–	–	200mL/ha	–	–	NIL	–

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

**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.**

**IN TASMANIA, THIS PRODUCT MAY ONLY BE USED FROM 15 APRIL TO 15 SEPTEMBER UNLESS OTHERWISE PERMITTED BY THE REGISTRAR OF CHEMICAL PRODUCTS.**



## WEED TABLE

**Note:** Where weeds are to be sprayed in a CROP or PASTURE use only the rates given for the particular crop or situation indicated under the Directions for Use table. In most cases this will give control, however some hard to kill weeds or those in advanced stages of growth may only be suppressed. The rates listed in the Weed Table below are for use where weeds only are present and no crop or pasture is involved. Use at these rates in a crop or pasture other than for spot spraying may cause damage. This product should only be used in those states where a rate or range of rates is indicated for the particular weeds listed.

WEEDS	APPLICATION RATE PER HECTARE							CRITICAL COMMENTS
	Crop						Pasture	
	Vic	NSW, ACT	SA	Qld	Tas	WA	NSW, SA, Qld, Tas only	
<i>Amaranthus</i> spp.	-	500mL-1.0L	-	800mL	-	-	-	Spray young plants.
Amsinckia	-	-	-	-	-	1.0L	-	
Apple of Peru	-	500mL-1.0L	-	800mL	-	-	-	Spray young plants. Susceptible when young.
Bathurst Burr	-	715mL-1.0L	1.5-2.0L	800mL	-	-	715mL-1.0L not SA	Spray seedlings only.
Bellvine	-	1.6L	-	1.6L	-	-	-	Spray before seeding. Advanced stages susceptible.
Billygoat Weed	-	3.0L	-	3.0L	-	-	-	Spray at young stage.
Bindweed	-	-	-	-	-	1.0L	-	
Blackberry Nightshade	-	500mL-1.0L	-	800mL	-	-	-	
Blackeyed Susan	-	1.6L	-	1.6L	-	-	-	Apply at pre-flowering, preferably young stages.
Blue Snakeweed	-	1.6L	-	1.6L	-	-	-	Spray seedlings at young stages only.
California Burr	-	715mL-1.0L	-	800mL	-	-	715mL-1.0L not SA	Spray seedlings only.
Cape Tulip	-	-	-	-	-	570mL- 1.0L	-	Low rate for cormils only
Capeweed	1.25L	-	1.5L	-	1.25L	1.0L	1.5-2.5L	Spray seedlings to rosette stage.
Caltrop	-	715mL-1.5L	-	800mL	-	1.0L	-	Moderately susceptible.
Castor Oil Plant	-	3.0L	-	3.0L	-	-	-	Spray at young stage.
Charlock	500-715mL	500mL-1.0L	500mL	-	1.25L	-	715mL-1.0L	Spray at rosette stage.
Clover	-	1.0L	-	-	-	-	-	
Cobbler's Pegs	-	1.6L	-	1.6L	-	-	-	Apply at pre-flowering, preferably young stages.
Common Ice Plant	-	-	1.0L	-	-	-	-	

WEEDS	APPLICATION RATE PER HECTARE							CRITICAL COMMENTS
	Crop						Pasture	
	Vic	NSW, ACT	SA	Qld	Tas	WA	NSW, SA, Qld, Tas only	
Common Sida	-	1.6L	-	1.6L	-	-	-	Spray seedling or young stages only.
Common Sowthistle	-	1.6L	-	1.6L	1.25L	-	-	Apply at pre-flowering, preferably young stages.
Docks	1.25L	-	1.25L	1.25L	1.25L	1.0L	2.85L SA only	Spray at multiple leaf stage - effective only on seedlings.
Doveweed	-	-	-	-	-	1.0L	-	
Fat Hen	-	500mL-1.5L	-	800mL	1.25L	-	-	Spray pre-flowering.
Flannel Weed	-	1.6L	-	1.6L	-	-	-	Spray seedling or young stages only.
Flat Weed	-	-	-	-	-	1.0L	-	
Fumitory - red	-	-	1.5L	-	-	-	-	
Fumitory - white	715mL	-	500mL	-	-	-	-	Spray at multiple leaf stage.
Heliotrope	-	-	-	-	-	1.0L	-	
Hexham Scent or Melilotus	1.25L	-	1.0L	1.25L	-	-	1.0-1.5L	Spray multiple leaf stage before seeding.
Hoary Cress	800mL-1.25L	1.0-1.5L	1.25L	1.25L	-	-	1.25-1.5L	Spray rosettes and pre-flowering.
Hogweed / Wireweed	1.25L	-	-	1.25L	-	-	-	Spray at multiple leaf stage (Vic). Spray at seedling and young plant stage (Qld).
Horehound	-	-	1.25L	-	-	-	2.0-2.85L SA only	Spray seedlings.
Indian Hedge Mustard	-	-	-	-	1.25L	1.0L	-	
Khaki Weed	-	-	-	-	-	-	1.0-2.0L not SA	Spray seedlings only.
Knobweed	-	-	-	1.6-3.0L	-	-	-	Lower rate for seedlings; higher rate for later stages.
Lincoln Weed	-	-	1.5L	-	-	-	-	Spray early rosettes.
London Rocket	-	-	-	-	-	-	-	
Lupins	-	715mL-1.5L	-	-	-	-	-	
Melons -	-	500mL-	-	-	-	-	-	

WEEDS	APPLICATION RATE PER HECTARE							CRITICAL COMMENTS
	Crop						Pasture	
	Vic	NSW, ACT	SA	Qld	Tas	WA	NSW, SA, Qld, Tas only	
Camel, Paddy	-	1.0L	-	-	-	-	-	
Mexican Poppy	-	-	-	1.25L	-	-	-	Spray seedlings - plants become more resistant with age.
Mintweed	-	1.0L	-	800mL	-	-	-	Spray seedlings - resistant in later stages.
Morning Glory	-	1.6L	-	1.6L	-	-	-	Spray at seedling to flowering stage.
Mustards	200-500mL	500mL-1.0L	500mL-1.25L	800mL	-	715mL	500mL-1.0L	Spray at 2-4 leaf up to rosette stage.
Needle Burr	-	1.6L	-	1.6L	-	-	-	Apply at pre-flowering, preferably young stages.
New Zealand Spinach	-	1.0-1.5L	-	-	-	-	-	
Noogoora Burr	-	715mL-1.0L	-	800mL	-	-	715mL-1.0L not SA	Spray seedlings only.
Paterson's Curse	-	1.0-1.5L	-	1.25L	-	1.0L	1.5-2.0L	Spray rosettes or before plants have 10 leaves. Later stages harder to kill.
Pinkburr (Pink Flowered Burr)	-	1.6L	-	1.6L	-	-	-	Spray seedling or young stages only.
Potato Weed	-	500mL-1.0L	-	800mL	-	-	-	
Purpletop	-	3.0L	-	3.0L	-	-	-	Spray at young stage.
Radish	-	-	-	-	-	1.0L	-	
Ragwort	-	-	-	-	3.4L	1.0L	-	Spray up to early rosette stage (Tas only).
Rapeseed	-	715mL-1.5L	-	-	-	-	-	
Rapistrum	-	-	-	-	-	1.0L	-	
Rough Poppy	-	1.0L	-	-	-	-	-	
Safflower	-	500mL-1.0L	-	-	-	-	-	
Shepherds Purse	-	-	-	-	1.25L	-	715mL-1.0L	Spray young rosettes.
Siratro (Purple Bean)	-	1.6L	-	-	-	-	-	Spray seedling or young stages only.
Skeleton Weed	1.25L	1.0L-1.5L	-	-	-	-	-	Spray rosettes before aerial growth commences.
Sorrel	1.25L	1.5L	1.25L	-	-	-	-	Only moderately susceptible.

WEEDS	APPLICATION RATE PER HECTARE							CRITICAL COMMENTS
	Crop						Pasture	
	Vic	NSW, ACT	SA	Qld	Tas	WA	NSW, SA, Qld, Tas only	
Speedwell - Ivy leaf	-	-	1.0L	-	-	-	-	
Spinyhead Sida	-	1.6L	-	1.6L	-	-	-	Spray seeding or young stages only.
Starburr	-	1.6L	-	1.6L	-	-	-	Spray before seeding, advanced stages susceptible.
Spiny Emex	-	-	-	1.25L	-	-	-	Only young plants are susceptible.
Star of Bethlehem (Cupid's Flower)	-	-	-	1.6L	-	-	-	Spray before seeding, advanced stages susceptible.
Stinkwort	-	715mL-1.25L	-	-	-	-	-	
Storkbill / Erodium	-	-	-	-	1.25L	-	1.4-2.85L	Spray seedlings to young rosettes.
Sunflower (seedlings)	1.25L	500mL-1.25L	-	800mL	-	-	-	
Thistles: - Annual	-	-	-	-	-	1.0L	-	
- Californian	-	-	-	-	2.4L	-	2.85-3.4L	Repeated applications may be necessary (NSW, Tas only).
- Saffron	1.0L	500mL-1.5L	1.25L	1.25L	850mL	1.0L	1.0-1.5L	Low rate only sufficient to control weeds in crops at rosette stage when sprayed early.
- Slender / Shore	-	715mL-1.5L	-	-	-	1.25L	1.0L	Suppression only.
- Soldier	1.25L	-	-	-	-	-	1.0-1.4L not NSW, Tas	Spray young rosette.
- Spear	500mL	-	-	-	1.25L	-	1.0-1.4L	Spray young rosettes.
- Star	-	-	-	-	-	-	1.4-2.85L SA only	Use higher rate as flower stalk appears.
- Variegated	-	500mL-1.5L	-	800mL	1.25L	-	1.0-1.5L	Spray at rosette stage.
Thornapple	-	715mL-1.0L	-	-	-	-	1.4-2.1L not SA	Spray seedlings only.

WEEDS	APPLICATION RATE PER HECTARE							CRITICAL COMMENTS
	Crop						Pasture	
	Vic	NSW, ACT	SA	Qld	Tas	WA	NSW, SA, Qld, Tas only	
Tridax (Tridax Daisy)	-	1.6L	-	1.6L	-	-	-	Spray seedling or young stages only.
Turnip Weed / Rapistrum	-	500mL-1.0L	-	500mL	-	715mL	500mL-1.0L	
Vetches/Tares	1.25L	-	1.0L	-	-	-	-	Spray at multiple leaf stage.
Wards Weed	-	-	1.0L	-	-	-	-	
Wild Cabbage	1.25L	-	-	-	-	-	-	Spray multiple leaves.
Wild Poppy	500mL	-	-	-	-	-	1.0-1.5L	Spray rosettes.
Wild Radish	1.25L	1.25-1.5L	1.25L	800mL	1.25L	715mL	715mL-1.0L	Spray up to young rosette stage.
Wild Turnip	200-500mL	500mL-1.0L	285mL	-	1.25L	570mL	500mL-1.0L	Spray 2-4 leaf up to rosette stage.

**Plant back days for ACP AMINEX 700 SELECTIVE HERBICIDE**

Crop	Rates		
	Up to 500mL/ha	500mL-1.0L/ha	1.0L-5L/ha
Balansa Clover	7	7	10
Barley %	1	1	3
Chickpeas #	7	14	21
Cotton	10	14	21
Faba Beans	7	7	10
Field Peas	7	14	14
Lentils	7	7	10
Linseed	7	7	14
Lucerne	7	7	10
Lupins +	7	14	21
Medics	7	7	10
Narbon Beans	7	7	10
Navybean	10	10	14
Oats	3	3	7
Perennial Ryegrass	7	7	10
Persian Clover	7	7	10
Phalaris	7	7	10
Canola / Rapeseed #	14	21	28
Rice	7	7	14
Safflower #	7	14	21
Sorghum @	3	7	10
Soybean	14	14	21
Sub-Clover	7	7	10
Sunflower @	7	10	14
Triticale %	1	3	7
Vetch	7	7	10
Wheat %	1	3	7
White Clover	7	7	10

**IMPORTANT: WHEN APPLIED TO DRY SOILS AT LEAST 15mm (1/2 inch) OF RAIN MUST FALL PRIOR TO THE COMMENCEMENT OF THE PLANT BACK PERIOD.**

**NOTES:**

% In Queensland, no rainfall is required to fall prior to commencement of plant back period for wheat, barley and triticale.

# In Queensland, planting of canola / rapeseed, chickpeas and safflower must be delayed for at least 14 days following rainfall of at least 15mm.

@ In Central Queensland, when using 715mL/ha or less of Aminex 700, the Plant Back Period for sorghum and sunflower is 1 day irrespective of rainfall.

+ In WA the Plant Back Period for lupins at all rates is 28 days.

## GENERAL INSTRUCTIONS

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

## APPLICATION INFORMATION

**Boom Spraying:** Use 30-120L/ha of water.

**Aerial Spraying:** Use 10-90L/ha of water.

## EQUIPMENT MAINTENANCE AND USAGE

Equipment that has been used for this chemical should not be used for the application of other materials to sensitive plants, unless it has been well washed out with hot soapy water or 1 % solution of ammonia, followed by several clear water rinses.

## COMPATIBILITY

This product may be tank mixed with Dicamba, Flowable Diuron, Chlorsulfuron, Paraquat, Atrazine, Spray.seed\*, Picloram.

## RESISTANT WEEDS WARNING

ACP Aminex 700 Selective

Herbicide is a member of the

GROUP	I	HERBICIDE
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Phenoxys group of herbicides. The product has the disruptors of plant cell growth mode of action. For weed resistance management the product is a Group I herbicide. Some naturally occurring weed biotypes resistant to the product 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. These resistant weeds will not be controlled by the product or other Group I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Australis Crop Protection Pty Ltd accepts no liability for any losses that may result from the failure of the product to control resistant weeds.

## PROTECTION OF CROPS, NATIVE AND OTHER NON TARGET PLANTS

DO NOT spray in high winds. DO NOT spray cereals if lucerne is present. DO NOT spray crops or weeds outside the stages indicated in "Critical Comments" as damage, loss of yield or

inadequate weed control may result.

**Drift Warning:** DO NOT apply under weather conditions, or from spraying equipment that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures. Avoid spray drift onto susceptible crops such as cotton, tobacco, tomatoes, vines, lupins, fruit trees and ornamentals. 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 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

Store in the closed, original container in a well-ventilated area as cool as possible. DO NOT store for prolonged periods in direct sunlight.

**For non-refillable containers:** Triple rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging 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.

**For Refillable Containers:** 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 Australis Crop Protection upon request.

## **CONDITIONS OF SALE**

The use of ACP Aminex 700 Selective Herbicide being beyond the control of the manufacturer no warranty expressed or implied is given by Australis Crop Protection Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Australis Crop Protection Pty Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

- Other registered trademarks.



# ACP AMINEX 700 SELECTIVE HERBICIDE

**ACTIVE INGREDIENT: 700 g/L 2,4-D present as the DIMETHYLAMINE AND DIETHANOLAMINE SALTS**

**PLEASE READ THESE INSTRUCTIONS IN CONJUNCTION WITH THE PRODUCT LEAFLET  
ACCOMPANYING 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.

## **RESTRAINTS**

**DO NOT** apply in a manner that may cause unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone table below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

**DO NOT** allow bystanders to come into contact with the spray cloud.

**DO NOT** apply unless the wind speed is between 3 and 15 kilometres per hour at the application site during the time of application.

**DO NOT** apply if there are surface temperature inversion conditions present at the application site during the time of application. These conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

## **Recognising a surface temperature inversion**

A surface temperature inversion is likely to be present if:

- Mist, fog, dew or a frost have occurred.
- Smoke or dust hangs in the air and moves sideways, just above the ground surface.
- Cumulous clouds that have built up during the day collapse towards evening.
- Wind speed is constantly less than 11 km/hr in the evening and overnight.
- Cool off-slope breezes develop during the evening and overnight.
- Distant sounds become clearer and easier to hear.
- Aromas become more distinct during the evening than during the day.

Information from GRDC Fact Sheet: 'Surface Temperature Inversions and Spraying', July 2014

## **Spray timing**

Spray during the day wherever possible. Vertical mixing of the air makes surface temperature inversions unlikely and will reduce the risk of drift caused by surface temperature inversions.

There is a very low risk of surface temperature inversion when there is continuous overcast weather, with low and heavy cloud and/or the wind speed remains above 11 km/hr for the whole period between sunset and sunrise.

A lack of suitable weather conditions for spraying over extended periods is not an excuse for spraying in unsuitable conditions.

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

**DO NOT** apply with spray droplets smaller than VERY COARSE spray droplets according to the ASAE S572.1 definition for standard nozzles.

**DO NOT** use if rain is likely within 6 hours.

### Monitoring and record keeping

Users of this product **MUST** make an accurate written record of the details of each spray application within 24 hours following application and **KEEP** this record for a minimum of 2 years. The spray application details that must be recorded are:

1. Date of use with start and finish times of application;
2. The specific locations which must include address and paddock/s sprayed;
3. Product trade name (full name) of the product being used;
4. Rate of application which must include the amount of product used per hectare and number of hectares applied to;
5. Situation, crop or commodity to which the chemical was applied;
6. Wind speed and direction during application;
7. Air temperature and relative humidity during application;
8. Nozzle brand, model, size, type, and spray system pressure measured during application;
9. Height of spray boom from ground;
10. Name and contact details of person applying this product (additional record keeping and/or details may be required by the state or territory where this product is used).

**Watch for changes in weather conditions. Stop spraying immediately if a surface temperature inversion occurs or if spraying conditions become unsuitable for any other reason.**

#### **ADVISORY FOR BOOM SPRAYER USE IN CEREALS, FALLOW AND PASTURE 1<sup>ST</sup> OCTOBER TO 15 APRIL**

USE IN CEREALS, FALLOW AND PASTURES DURING THE PERIOD 3<sup>RD</sup> OCTOBER TO 15<sup>TH</sup> APRIL, IT IS ADVISED TO:-

USE NOZZLES THAT PRODUCE **EXTREMELY COARSE (XC) TO ULTRA COARSE (UC) DROPLETS.**

USE HIGHER WATER RATES PER HA, TO GIVE BETTER EFFICACY.

USE SLOWER APPLICATION SPEEDS TO ALLOW OPERATORS TO LOWER BOOM HEIGHTS.

INCREASING DROPLET SIZE AND WATER RATES WHILE REDUCING APPLICATION SPEED WILL ASSIST IN MITIGATING OFF TARGET INVERSION DRIFT DURING SUMMER SPRAYING. EXTREMELY COARSE DROPLETS WILL PRODUCE <3% DRIFTABLE DROPLETS.

### **BOOM SPRAYERS**

**DO NOT** apply by a boom sprayer unless the following requirements are met:

- Spray droplets not smaller than a VERY COARSE (VC) spray droplet size category (minimum XC between 3 October and 15 April – advisory)
- Boom heights 0.5 metres or lower above the target canopy (The higher of either the crop canopy or the targeted weeds)
- Minimum distances between the application site and downwind sensitive aquatic and wetland areas including aquacultural ponds, surface streams and rivers (see Aquatic 'Downwind mandatory no-spray zone' section of the following table titled 'Buffer zones for boom sprayers') are observed.
- Minimum distances between the application site and downwind sensitive crops, gardens, landscaping vegetation, protected native vegetation or protected animal habitat (see Terrestrial 'Downwind mandatory no-spray zone' section of the following table titled 'Buffer zones for boom sprayers') are observed. The buffer zones provide guidance but may not always be completely protective of all agricultural crops.

## BUFFER ZONES FOR BOOM SPRAYERS:

Application rate (/ha)	Downwind mandatory no spray zone	
	Aquatic	Terrestrial
Dryland cropping: winter cereals and fallows		
Up to 1.0 L (700 g ae/ha)	10 metres	10 metres
Up to 1.2 L (880 g ae/ha)	10 metres	10 metres
Up to 1.5 L (1050 g ae/ha)	20 metres	20 metres
Dryland cropping: summer cereals		
Up to 1.0 L (700g ae/ha)	10 metres	10 metres
Tropical & subtropical uses: sugarcane		
Up to 1.5 L (1050 g ae/ha)	20 metres	20 metres
Up to 3.1 L (2170 g ae/ha)	30 metres	30 metres
Pasture		
Up to 2.8 L (2000 g ae/ha)	30 metres	30 metres
Up to 3.8 L (2750 g ae/ha)	35 metres	35 metres
Up to 4.6 L (3300 g ae/ha)	45 metres	40 metres

## Aerial application

DO NOT apply by aerial application unless the following requirements are met:

- Spray droplets not smaller than a VERY COARSE (VC) spray droplet size category.
- Release heights 5 metres or lower above the target canopy
- Minimum distances between the application site and downwind sensitive aquatic and wetland areas including aquacultural ponds, surface streams and rivers (see Aquatic 'Downwind mandatory no-spray zone' section of the following table titled 'Buffer zones for aircraft') are observed.
- Minimum distances between the application site and downwind sensitive crops, gardens, landscaping vegetation, protected native vegetation or protected animal habitat (see Terrestrial 'Downwind mandatory no-spray zone' section of the following table titled 'Buffer zones for aircraft') are observed. The buffer zones provide guidance but may not always be completely protective of all agricultural crops.

## BUFFER ZONES FOR AIRCRAFT: 3 metre release height or lower above the target canopy

<u>Application rate (/ha)</u>	Downwind mandatory no spray zone			
	Fixed wing		Helicopter	
	Aquatic	Terrestrial	Aquatic	Terrestrial
Dryland cropping: winter cereals and fallows				
Up to 1.0 L (700 g ae/ha)	70 metres	70 metres	65 metres	65 metres
Up to 1.2 L (880 g ae/ha)	80 metres	80 metres	75 metres	75 metres
Up to 1.5 L (1050 g ae/ha)	95 metres	90 metres	85 metres	85 metres
Dryland cropping: summer cereals				
Up to 1.0 L (700 g ae/ha)	70 metres	70 metres	65 metres	65 metres
Tropical & subtropical uses: Sugarcane				
Up to 3.1 L (2170 g ae/ha)	170 metres	160 metres	150 metres	140 metres
Tropical & subtropical uses: Peanuts				
Up to 3.2 L (2240 g ae/ha)	170 metres	160 metres	150 metres	150 metres

## PASTURE APPLICATION BY AIR – 3.0 m release height

**NOTE: Some rates ARE NOT SUPPORTED for Fixed Wing Aircraft and MUST NOT be applied by Fixed Wing Aircraft.**

**Application rate 3330 g ae/ha, VERY COARSE droplet size, Aerial application**

### **Aquatic Protection**

	Downwind no-spray zone	
Wind speed range at time of application	Fixed Wing	Helicopter
From 3 to 7 kilometres per hour	600 metres	350 metres
From 7 to 14 kilometres per hour	675 metres	375 metres

### **Terrestrial protection (2,4-D salt formulations)**

	Downwind no-spray zone	
Wind speed range at time of application	Fixed wing	Helicopter
From 3 to 7 kilometres per hour	575 metres	350 metres
From 7 to 14 kilometres per hour	650 metres	350 metres

**Application rate 2750 g ae/ha, VERY COARSE droplet size, Aerial application**

### **Aquatic Protection**

	Downwind no-spray zone	
Wind speed range at time of application	Fixed Wing	Helicopter
From 3 to 7 kilometres per hour	250 metres	150 metres
From 7 to 14 kilometres per hour	250 metres	180 metres

### **Terrestrial protection (2,4-D salt formulations)**

	Downwind no-spray zone	
Wind speed range at time of application	Fixed wing	Helicopter
From 3 to 7 kilometres per hour	250 metres	140 metres
From 7 to 14 kilometres per hour	250 metres	170 metres

**Application rate 2000 g ae/ha, VERY COARSE droplet size, Aerial application**

### **Aquatic Protection**

	Downwind no-spray zone	
Wind speed range at time of application	Fixed Wing	Helicopter
From 3 to 7 kilometres per hour	160 metres	90 metres
From 7 to 14 kilometres per hour	160 metres	140 metres

### **Terrestrial protection (2,4-D salt formulations)**

	Downwind no-spray zone	
Wind speed range at time of application	Fixed wing	Helicopter
From 3 to 7 kilometres per hour	140 metres	85 metres
From 7 to 14 kilometres per hour	150 metres	130 metres

**BUFFER ZONES FOR AIRCRAFT: 5 metre release height or lower above the target canopy**

<b>Application rate (/ha)</b>	<b>Downwind mandatory no spray zone</b>			
	<b>Fixed wing</b>		<b>Helicopter</b>	
	<b>Aquatic</b>	<b>Terrestrial</b>	<b>Aquatic</b>	<b>Terrestrial</b>
<b>Dryland cropping: winter cereals and fallows</b>				
Up to 1.0 L (700 g ae/ha)	130 metres	120 metres	110 metres	110 metres
Up to 1.2 L (880 g ae/ha)	150 metres	150 metres	130 metres	120 metres
Up to 1.5 L (1050 g ae/ha)	180 metres	170 metres	140 metres	140 metres
<b>Dryland cropping: summer cereals</b>				
Up to 1.0 L (700 g ae/ha)	130 metres	120 metres	110 metres	110 metres
<b>Tropical &amp; subtropical uses: Sugarcane</b>				
Up to 3.1 L (2170 g ae/ha)	400 metres	375 metres	250 metres	220 metres
<b>Tropical &amp; subtropical uses: Peanuts</b>				
Up to 3.2 L (2240 g ae/ha)	425 metres	400 metres	250 metres	250 metres

**PASTURE APPLICATION BY AIR – 5.0 m release height**

**NOTE: Some rates ARE NOT SUPPORTED for Fixed Wing Aircraft and MUST NOT be applied by Fixed Wing Aircraft.**

**Application rate 3330 g ae/ha, VERY COARSE droplet size, Aerial application**

**Aquatic Protection**

	<b>Downwind no-spray zone</b>	
<b>Wind speed range at time of application</b>	<b>Fixed Wing</b>	<b>Helicopter</b>
From 3 to 7 kilometres per hour	600 metres	350 metres
From 7 to 14 kilometres per hour	675 metres	375 metres

**Terrestrial protection (2,4-D salt formulations)**

	<b>Downwind no-spray zone</b>	
<b>Wind speed range at time of application</b>	<b>Fixed wing</b>	<b>Helicopter</b>
From 3 to 7 kilometres per hour	575 metres	350 metres
From 7 to 14 kilometres per hour	650 metres	350 metres

**Application rate 2750 g ae/ha, VERY COARSE droplet size, Aerial application**

**Aquatic Protection**

	<b>Downwind no-spray zone</b>	
<b>Wind speed range at time of application</b>	<b>Fixed Wing</b>	<b>Helicopter</b>
From 3 to 7 kilometres per hour	500 metres	300 metres
From 7 to 14 kilometres per hour	550 metres	300 metres

**Terrestrial protection (2,4-D salt formulations)**

	<b>Downwind no-spray zone</b>	
<b>Wind speed range at time of application</b>	<b>Fixed wing</b>	<b>Helicopter</b>
From 3 to 7 kilometres per hour	475 metres	275 metres
From 7 to 14 kilometres per hour	525 metres	300 metres

Application rate 2000 g ae/ha, VERY COARSE droplet size, Aerial application

**Aquatic Protection**

	Downwind no-spray zone	
Wind speed range at time of application	Fixed Wing	Helicopter
From 3 to 7 kilometres per hour	375 metres	190 metres
From 7 to 14 kilometres per hour	375 metres	220 metres

**Terrestrial protection (2,4-D salt formulations)**

	Downwind no-spray zone	
Wind speed range at time of application	Fixed wing	Helicopter
From 3 to 7 kilometres per hour	350 metres	180 metres
From 7 to 14 kilometres per hour	350 metres	210 metres

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