

CAUTION

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



Imazethapyr 700 WG HERBICIDE

ACTIVE CONSTITUENT: 700 g/kg Imazethapyr

GROUP B HERBICIDE

For the pre or post emergence control of certain weeds in *Centrosema* (Cavalcade), chickpeas, faba beans, field peas, lucerne, mung beans, peanuts, serradella, soybeans and subterranean clover as specified in the directions for use table.

IMPORTANT: Read the attached booklet before use

**NET CONTENTS: 250 g
(2kg, 8kg)**

**Genfarm Crop Protection Pty Ltd
Suite 2, Level 3, 64 Talavera Road,
Macquarie Park,
NSW, 2113
Tel: (02) 9889 5400**

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in of direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsing 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Will damage eyes. Will irritate skin. Avoid contact with eyes and skin. When preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow length PVC gloves and goggles. If products in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, goggles 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 can be obtained from the supplier.

CONDITIONS OF SALE

The use of this product is beyond the control of Genfarm Crop Protection Pty Ltd. No warranty is expressed or implied regarding the suitability or efficiency for any purpose for which it is used by the buyer. Genfarm Crop Protection Pty Ltd accepts no responsibility for any consequences resulting from the use of this product. Genfarm Crop Protection Pty Ltd will not be held liable for any loss, injury or damage arising from the sale, supply or use of this product, whether through negligence or otherwise. No responsibility will be accepted for any consequences whatsoever resulting from the use of this product.

Genfarm Crop Protection Pty Ltd
Suite 2, Level 3, 64 Talavera Road,
Macquarie Park,
NSW, 2113
Tel: (02) 9889 5400

Batch No.

DOM

APVMA Approval No: 60255/250/0206
60255/2/006
60255/8/0206

CAUTION

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



Imazethapyr 700 WG HERBICIDE

ACTIVE CONSTITUENT: 700 g/kg Imazethapyr

GROUP B HERBICIDE

For the pre or post emergence control of certain weeds in *Centrosema* (Cavalcade), chickpeas, faba beans, field peas, lucerne, mung beans, peanuts, serradella, soybeans and subterranean clover as specified in the directions for use table.

IMPORTANT: Read this booklet before use

Genfarm Crop Protection Pty Ltd
Suite 2, Level 3, 64 Talavera Road,
Macquarie Park,
NSW, 2113
Tel: (02) 9889 5400

DIRECTIONS FOR USE

Restrains: DO NOT apply to very wet soils if rain is imminent or to soils prone to waterlogging.
DO NOT apply to soils of very high organic matter content.
DO NOT apply to crops or weeds under stress caused by factors such as root or foliar diseases, nutrient deficiencies, or extremes of temperature or moisture.

CROP	WEEDS CONTROLLED	STATE	RATE PER HA	CRITICAL COMMENTS
Pre-emergence Chickpeas	Deadnettle (<i>Lamium amplexicaule</i>), Indian hedge mustard (<i>Sisymbrium orientale</i>), White Ironweed (<i>Buglossoides arvensis</i>), Wild Radish (<i>Raphanus raphanistrum</i>), Wireweed (<i>Polygonum aviculare</i>)	Vic, Sa only	45g plus 1.0 to 1.5 L Flowable Simazine (500g/L)	Apply to moist, well prepared, clod and weed free soil after planting and before crop emergence. Sufficient rainfall is required after application and prior to weed emergence to wet soil to a depth of 5cm. Use the higher rate of simazine on heavier soils, or where higher weed pressure is expected, or where wireweed is problem. Under adverse conditions, weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. Good crop growth will aid weed control. Transient yellowing or reddening of the crop may occur. The risk of crop injury may be increased under adverse growing conditions. DO NOT use this mixture on soils, and in areas, ill suited to growing chickpeas as crop injury will be increased.
Pre-emergence Faba beans, Field peas	Indian hedge mustard (<i>Sisymbrium orientale</i>), Shepherd's purse (<i>Capsella bursa-pastoris</i>), Stinging nettle (<i>Urtica urens</i>) (NSW, Vic only), Toadrush (<i>Juncus bufonius</i>), Turnip weed (<i>Rapistrum rugosum</i>), *Deadnettle (<i>Lamium amplexicaule</i>), *Doublegee (<i>Emex australis</i>), *Paterson's curse (<i>Echium plantagineum</i>), *Wireweed (<i>Polygonum aviculare</i>), **Wild oats (<i>Avena fatua</i>)	NSW, Vic, SA, WA only	70 g	Apply to moist, well prepared, clod and weed free soil after planting and before crop emergence. Sufficient rainfall is required after application and prior to weed emergence to wet soil to a depth of 5cm. Under adverse conditions, weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. Good crop growth will aid weed control. * Surviving plants will generally be retarded and will not complete with the crop. A follow up spray with another product will generally be required for control of Wild Radish under high weed pressure or high rainfall conditions. **Competition from grass weeds will be significantly reduced for at least 8 weeks. A post-emergence grass herbicide application may be required. (Refer to COMPATIBILITY section of label). *** Populations may be reduced but plants will generally be significantly stunted. Seed set will also be reduced. Use the higher rates under anticipated high weed pressure and in high winter rainfall areas. DO NOT use on faba beans on light sandy soils. On alkaline soils, the risk of crop damage to faba beans may be increased under adverse growing conditions. Refer to the Crop Safety and Follow Crop sections of this label regarding varietal selectivity and follow crops.
	*Wild Radish (<i>Raphanus raphanistrum</i>), **Annual ryegrass (<i>Lolium rigidum</i>), **Barley grass (<i>Hordeum leporinum</i>)	NSW, WA only		
	Storksbill (<i>Erodium spp.</i>)	SA, WA only		
	Mouse-ear chickweed (<i>Cerastium glomeratum</i>), *Capeweed (<i>Arctotheca calendula</i>), *Prickly lettuce (<i>Lactuca serriola</i>), *Yellow Burrweed (<i>Amsinckia intermedia</i>)	NSW only	70 to 100g	
	Ivy leaf speedwell (<i>Veronica hederifolia</i>), ***Bifora (<i>Bifora testiculata</i>)	SA only		
	*Three horn bedstraw (<i>Galium tricornutum</i>), *Wild radish (<i>Raphanus raphanistrum</i>), *Yellow Burrweed (<i>Amsinckia intermedia</i>)	Vic, SA only		
	Lesser loosestrife (<i>Lythrum hyssopifolia</i>), *Prickly lettuce (<i>Lactuca serriola</i>), **Annual ryegrass (<i>Lolium rigidum</i>), **Barley grass (<i>Hordeum leporinum</i>)		100g	

Post-emergence Field peas (following varieties only: Alma, Dun, Dundale, Early Dun, Wirrega)	Deadnettle (<i>Lamium amplexicaule</i>), Hare's ear (<i>Conringia orientalis</i>), Indian hedge mustard (<i>Sisymbrium orientale</i>), Toadrush (<i>Juncus bufonius</i>), *Wireweed (<i>Polygonum aviculare</i>)	NSW, Vic, SA only	70g plus a non-ionic surfactant at 200mL/100L	Apply to actively growing weeds in the cotyledon to 3-leaf stage. Weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. Good crop growth will aid weed control. * Surviving plants will generally be retarded and will not complete with the crop. Use the higher rate under high weed pressure. Refer to the Follow Crop section of this label regarding follow crops.
	*Three horn bedstraw (<i>Galium tricornutum</i>)	Vic, SA only	70g to 100g plus a non-ionic surfactant at 200mL/100L	
Pre-emergence Mungbeans, Peanuts, Soybeans	Common sida (<i>Sida rhombifolia</i>), Fat hen (<i>Chenopodium album</i>), Green amaranth (<i>Amaranthus viridis</i>), Pigweed (<i>Portulaca oleracea</i>), Redroot amaranth (<i>Amaranthus retroflexus</i>), Wild gooseberry (<i>Physalis minima</i>), *Anoda weed (<i>Anoda cristata</i>), *Bellvine (<i>Ipomoea plebeia</i>), *Common Thornapple (<i>Datura stratmonium</i>), *Deadnettle (<i>Lamium amplexicaule</i>), *Jute (<i>Corchorus olitorius</i>), *Mintweed (<i>Salvia reflexa</i>), *Starburr (<i>Acanthospermum hispidum</i>), *Wild radish (<i>Raphanus raphanistrum</i>)	Qld, NSW, Vic, NT only	100g	Apply to moist, well prepared, clod and weed free soil after planting and before crop emergence. Sufficient rainfall or irrigation is required after application and prior to weed emergence to wet soil to a depth of 5cm. Where soil crusting is most likely, apply post-emergence. (Not Mung beans). Under adverse conditions, weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. Good crop growth will aid weed control. * Surviving plants will generally be retarded and will not complete with the crop.
	Above weeds plus: Bladder ketmia (<i>Hibiscus trionum</i>), *Awnless barnyard grass (<i>Echinochloa colona</i>), *Apple of Peru (<i>Nicandra physalodes</i>), *Noogoora burr (<i>Xanthium pungens</i>), *Nutgrass (<i>Cyperus rotundus</i>)		140g	
Post-emergence Peanuts, Soybeans	Common sida (<i>Sida rhombifolia</i>), Wild gooseberry (<i>Physalis minima</i>), *Anoda weed (<i>Anoda cristata</i>), *Bathurst burr (<i>Xanthium spinosum</i>), *Bellvine (<i>Ipomoea plebeia</i>), *Common Thornapple (<i>Datura stratmonium</i>), *Deadnettle (<i>Lamium amplexicaule</i>), *Jute (<i>Corchorus olitorius</i>), Fierce thornapple (<i>Datura ferox</i>)		100g plus a non-ionic surfactant at 200mL/100L or Hasten® or Kwickin® at 500mL/100L	Apply to actively growing weeds in the 2 to 4 leaf stage. Weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. Good crop growth will aid weed control. * Surviving plants will generally be retarded and will not complete with the crop. For grass weeds a follow-up spray with a selective grass herbicide may be required.
	Above weeds plus: *Apple of Peru (<i>Nicandra physalodes</i>), Fat hen (<i>Chenopodium album</i>), *Awnless barnyard grass (<i>Echinochloa colona</i>), *Barnyard grass (<i>Echinochloa crus-galli</i>), *Nutgrass (<i>Cyperus rotundus</i>)		140g plus a non-ionic surfactant at 200mL/100L or Hasten® or Kwickin® at 500mL/100L	

<p>Pre-emergence to weeds Lucerne (established), Serradella (established)</p> <p><i>Centrosema</i> (Cavalcade) (Pre-emergence to crop)</p>	<p>As for pre-emergence use in Faba beans and Field peas (winter weeds) and in Soybeans (summer weeds)</p>	<p>Qld, NSW, Vic, SA, WA only</p> <p>NT only</p>	<p>70 to 140g</p>	<p>Use pre-emergence to weeds in established lucerne only. Apply following cutting or grazing, if necessary in mixtures with registered knock-down products. Apply at rates as per pre-emergence use in Faba beans and Field peas (winter weeds) and in Soybeans (summer weeds). Note CRITICAL COMMENTS applying to weeds in those crops.</p>
<p>Post-emergence Lucerne, Serradella</p>	<p>As for post-emergence use in Field peas (winter weeds) and in Soybeans (summer weeds)</p>	<p>Qld, NSW, Vic, SA, WA only</p>	<p>70g to 140g plus a non-ionic surfactant at 200mL/100L</p>	<p>Apply to actively growing weeds in the cotyledon to 3-leaf stage (winter weeds) and 2-4 leaf stage (summer weeds). Apply at rates as per post-emergence in Field peas (winter weeds) and in Soybeans (summer weeds). Note CRITICAL COMMENTS applying to weeds in those crops. Seedling: Apply when crop is at first trifoliolate leaf stage or later (Spring sown) and 2 trifoliolate leaf-stage or later (Autumn sown). Serradella varieties on which Genfarm Imazethapyr 700 WG Herbicide has been tested and found to be selective are: Avila, Elgara, Tauro. Established: Apply as above following cutting or grazing.</p>
<p>Subterranean clover (Trifolium subterraneum)</p>	<p>Doublegee (<i>Emex australis</i>),</p>	<p>WA only</p>		<p>Apply to actively growing weeds up to the 4 leaf stage and when sub-clover is at the 3 leaf stage or later. The treatment should only be used in the first year of a pasture phase to aid sub-clover establishment. Weed numbers will be reduced and survivors will be stunted. Seed set will also be reduced. Sub-clover biomass may also be reduced by this treatment. Varieties on which Genfarm Imazethapyr 700 WG Herbicide has been tested are: Dalkeith and Nungarin. Other weeds may also be affected, thereby reducing the total pasture biomass.</p>

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

WITHHOLDING PERIOD:

GRAZING: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION.
HARVEST: NOT REQUIRED WHEN USED AS DIRECTED

GENERAL INSTRUCTIONS

This product can be used for either pre- or post-emergent weed control depending on the crops and weeds to be controlled. When the product is applied pre-emergence, susceptible weeds may emerge but growth will be retarded and weeds will either die or remain stunted and will not compete with the crop. Adequate soil moisture is important for optimum activity. When applied post-emergence, weeds will either die or remain stunted and will not compete with the crop.

A non-ionic surfactant, or an adjuvant as specified in the DIRECTIONS FOR USE, must be added to Genfarm Imazethapyr 700 WG Herbicide for post-emergence weed control. The addition of an adjuvant such as Spraymate Liase Liquid Herbicide Adjuvant at a rate of 2L/100L water may assist in post-emergence control of summer growing weeds.

MIXING

This product mixes readily with both hard and soft water. Fill the spray tank one half to three quarters full with clean water and then, with the agitator running, add the required amount of this product and then fill the tank with water. When tank mixing this product with other recommended compatible products, first add the other product to the tank and mix thoroughly before adding this product.

APPLICATION:

Genfarm Imazethapyr 700 WG Herbicide should not be applied for a minimum of two hours before rainfall or irrigation.

Ground Application: Avoid overlaps when spraying. Apply in 50 to 100L/ha water using flat fan nozzles. The product may be applied in a band over the row in row crops. This will assist in minimising soil residue carryover.

Aerial Application (Pre-emergence only): Avoid overlaps when spraying. Apply in a minimum of 20L/ha water in a maximum swath width of 18 m using a droplet VMD of 230 to 280 microns.

Do NOT apply Genfarm Imazethapyr 700 WG Herbicide under conditions (e.g. dead calm, excessive wind and/or small droplets) likely to cause the spray to drift onto wetlands or waterways, natural vegetation, crops other than specified on the label or land to be planted with susceptible crops.

EQUIPMENT CLEAN UP

Thoroughly flush all spray equipment with water following the use of Genfarm Imazethapyr 700 WG Herbicide and before use with other products.

Rinse water should NOT be discharged where it will reach streams, waterbodies or natural vegetation.

COMPATIBILITY:

Genfarm Imazethapyr 700 WG Herbicide is compatible with alpha-cypermethrin duo, pendimethalin, trifluralin, metribuzin, cyanazine, diuron, glyphosate, paraquat plus diquat, diquat, simazine, diflufenican, dimethoate and Omethoate.

DO NOT tank mix with selective post-emergence grass herbicides. DO NOT apply these herbicides following use of Genfarm Imazethapyr 700 WG Herbicide until grasses have resumed active growth.

RESISTANT WEEDS WARNING:

GROUP	B	HERBICIDE
-------	----------	-----------

Genfarm Imazethapyr 700 WG Herbicide is a member of the Imidazolinone group of herbicides. This product has the acetolactate synthesis (ALS) mode of action. For weed resistance management the product is a Group B Herbicide. Some naturally occurring weed biotypes resistant to this product and other Group B 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 this product or other Group B herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Genfarm Crop Protection Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS:

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.

DO NOT spray within 50 m of wetlands or waterways.

Crop safety: This product may cause slight shortening of plant internodes and in some circumstances lead to crop yellowing but plants soon recover and yield is unaffected. This effect may be more pronounced when the product is used post-emergence or under poor growth conditions.

DO NOT use this product pre-emergence on Collegian and Cressy Blue field pea varieties. DO NOT use the product post-emergence on field pea varieties other than Alma, Dun, Dundale, Early Dun and Wirrega

DO NOT use pre-emergence on serradella, seedling lucerne or subterranean clover.

DO NOT use post-emergence on chickpeas, faba beans or mung beans. Should re-sowing of chickpeas, faba beans, field peas, lucerne, mung beans peanuts, serradella, soybeans or subterranean clover be necessary, DO NOT reapply Genfarm Imazethapyr 700 WG Herbicide.

Follow Crops: Under conditions that do not favour breakdown of this product, carry-over soil residues can affect susceptible follow crops. As environmental and agronomic factors make it impossible to eliminate all risks associated with the use of this product, rotational crop injury is always possible.

The following minimum re-cropping intervals (months after application) should be observed:

Following use in winter crops:

Months after application			
0	10	22	34
Maize varieties with CLEARFIELD Technology ONLY : - Pacific Hycorn 621T - Pacific Hycorn 531T - Pioneer 3395IR Wheat varieties with CLEARFIELD Technology ONLY Canola varieties with CLEARFIELD Technology ONLY Faba beans Fields peas Chickpeas	Lucerne Lupins Pasture legumes Vetch *triticale *barley *wheat (except varieties with CLEARFIELD Technology; see 0 months)	Oats Safflower	All other crops including canola (except varieties with CLEARFIELD Technology; see 0 months)

* The following additional requirements apply if it is intended to sow WHEAT (except varieties with CLEARFIELD Technology), BARLEY or TRITICALE during the next winter season.

- DO NOT apply Genfarm Imazethapyr 700 WG Herbicide pre-emergence later than the end of June and post emergence later than the end of July.
- DO NOT use Genfarm Imazethapyr 700 WG Herbicide in areas where rainfall from spraying to sowing of cereals is expected to be below 300 mm.
- In SA and WA DO NOT use on soils of pH 5.5 (Ca Cl₂) or less in areas where rainfall from spraying to sowing of cereals is expected to be below 400 mm.
- In NSW, Vic and SA DO NOT use the 100g/ha rate in areas where rainfall from spraying to sowing of cereals is expected to be below 400 mm.

If expected rainfall is not received following the use of Genfarm Imazethapyr 700 WG Herbicide, consult your local Genfarm Crop Protection Pty Ltd representative before planting wheat, barley or triticale. (In calculating rainfall actually received, exclude single isolated heavy summer and autumn falls above 100mm).

Following use in summer crops:

Irrigated only:

Months after application			
0	5	10	18
Maize varieties with CLEARFIELD Technology ONLY : - Pacific Hycorn 621T - Pacific Hycorn 531T - Pioneer 3395IR mung beans peanuts soybeans	Chickpeas Lucerne Lupins Pasture legumes *barley *wheat (except varieties with CLEARFIELD Technology) Canola varieties with CLEARFIELD Technology ONLY	**maize (except varieties with CLEARFIELD Technology; see 0 months) **sorghum	All other crops (providing rainfall and irrigation exceeds 200 mm)

* DO NOT plant these crops unless interim moisture (rainfall plus irrigation) from application to sowing is at least 500 mm.

** DO NOT plant these crops unless interim moisture (rainfall plus irrigation) from application to sowing is at least 800 mm. DO NOT plant sorghum if Genfarm Imazethapyr 700 WG Herbicide rates higher than 100g/ha where used in the previous crop.

Dryland only:

Months after application				
0	10	15	22	27
Maize varieties with CLEARFIELD Technology ONLY : - Pacific Hycorn 621T - Pacific Hycorn 531T - Pioneer 3395IR mung beans peanuts soybeans	**maize (except varieties with CLEARFIELD Technology; see 0 months) **sorghum	Chickpeas Lucerne Lupins Pasture legumes *barley *wheat (except varieties with CLEARFIELD Technology) Canola varieties with CLEARFIELD Technology ONLY	Cotton Maize (see also 0 months) sorghum sunflower	All other crops (providing rainfall exceeds 200 mm)

* DO NOT plant these crops unless interim rainfall from application to sowing is at least 500 mm.

** DO NOT plant these crops unless interim rainfall from application to sowing is at least 800 mm. DO NOT plant sorghum if Genfarm Imazethapyr 700 WG Herbicide rates higher than 100g/ha where used in the previous crop.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in of direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsing 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Will damage eyes. Will irritate skin. Avoid contact with eyes and skin. Wear preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow length PVC gloves and goggles. If products in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, goggles 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 can be obtained from the supplier.

CONDITIONS OF SALE

The use of this product is beyond the control of Genfarm Crop Protection Pty Ltd. No warranty is expressed or implied regarding the suitability or efficiency for any purpose for which it is used by the buyer. Genfarm Crop Protection Pty Ltd accepts no responsibility for any consequences resulting from the use of this product. Genfarm Crop Protection Pty Ltd will not be held liable for any loss, injury or damage arising from the sale, supply or use of this product, whether through negligence or otherwise. No responsibility will be accepted for any consequences whatsoever resulting from the use of this product.

Genfarm Crop Protection Pty Ltd

Suite 2, Level 3, 64 Talavera Road,

Macquarie Park,

NSW, 2113

Tel: (02) 9889 5400

APVMA Approval No: 60255/0206

Bar Codes:

250 g - 933537100179

2 kg - 933537100180

8kg - 933537100181