

Product Name: CropSure Sparrowhawk 700WG Herbicide
APVMA Approval No: 93634/142775



Label Name:	CropSure Sparrowhawk 700WG Herbicide
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Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENT: 700 g/kg IMAZAMOX
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Mode of Action:	GROUP 2 HERBICIDE
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Statement of Claims:	For the post-emergent control of certain annual grass and broadleaved weeds in field peas, legume-based pastures, Lucerne, peanuts and soybeans, as specified in the Directions for Use table.
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Net Contents:	250 g - 5 kg
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Restraints:	DO NOT apply to crops or weeds stressed by factors such as root or foliar diseases, water logging, nutrient deficiencies or extremes of temperature and moisture. DO NOT apply to crops stressed by any previous herbicide treatments. SPRAY DRIFT RESTRAINTS Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift DO NOT allow bystanders to come into contact with the spray cloud. DO NOT apply in a manner that may cause an 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/s 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.
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DO NOT apply unless the wind speed is between 3 and 20** kilometres per hour at the application site during the time of application.

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

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

- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

Buffer zones for boom sprayers

Application Rate	Mandatory downwind buffer zones (metres)
	aquatic areas
Up to maximum label rate	50

Directions for Use: This section contains file attachment.

Other Limitations:

Withholding Periods:

GRAZING
 lucerne, pastures: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION
 peanuts, soybeans: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION
 field peas: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER APPLICATION.

HARVEST
 field peas, peanuts, soybeans: NOT REQUIRED WHEN USED AS DIRECTED

Trade Advice:

General Instructions:

This product is for early post-emergence weed control in field peas, lucerne, legume based pastures, soybeans and peanuts. Weeds will either die or remain stunted and will not compete with the crop. For weeds marked with an asterisk in the above table, the level of control will vary significantly depending on factors such as climatic conditions following application, crop vigour, weed seed depth etc.

A spray adjuvant must always be added, as per the DIRECTIONS FOR USE table, while ammonium sulphate adjuvant should also be added in situations indicated in the table. Good crop competition is essential for effective weed control.

MIXING
 CropSure Sparrowhawk 700WG Herbicide is a water dispersible granule formulation. Part fill the spray tank with water, then with the agitator running, add the required amount of product, 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

For ground application only: Apply with boom equipment in not less than 50 L/ha water using flat fan nozzles. Avoid overlap and do not overspray headlands.

DO NOT apply by aircraft.

DO NOT apply by mister.

CropSure Sparrowhawk 700WG Herbicide should be applied a minimum of two hours before rainfall or irrigation.

DO NOT apply CropSure Sparrowhawk 700WG Herbicide more than once per growing season.

EQUIPMENT CLEAN-UP

Thoroughly flush all spray equipment with water following the use of CropSure Sparrowhawk 700WG Herbicide and before use with other products. Rinse water should NOT be discharged where it will reach streams, water bodies or natural vegetation.

COMPATIBILITY

This product is compatible with MCPA, simazine, dimethoate and alpha cypermethrin.

DO NOT tank mix with selective post-emergence grass herbicides. DO NOT apply these herbicides following use of CropSure Sparrowhawk 700WG Herbicide until grasses have resumed active growth. Alternatively, apply the grass herbicide at least one day before using CropSure Sparrowhawk 700WG Herbicide .

DO NOT tank mix with either MCPA Amine or 2,4-D when using in pastures.

Resistance Warning:

RESISTANT WEED WARNING

GROUP 2 HERBICIDE

CropSure Sparrowhawk 700WG Herbicide is a member of the imidazolinone group of herbicides. The product has the ALS mode of action. For weed resistance management, the product is a Group 2 herbicide. Some naturally-occurring weed biotypes resistant to the product and other Group 2 herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the population if these herbicides are used repeatedly. These resistant weeds will not be controlled by this product or other Group 2 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Cropsure Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

Precautions:

Protections:

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.

Crop Safety: This product may cause shortening of plant internodes and may in some circumstances lead to transient crop yellowing but plants will soon recover. This effect is more pronounced under poor growth conditions including conditions of prolonged moisture stress.

Field peas

DO NOT apply to field peas beyond the 4 node stage.

DO NOT apply if frost is forecast.

DO NOT use CropSure Sparrowhawk 700WG Herbicide after simazine (unregistered in field peas) and DO NOT exceed 250g ai/ha diuron if use of CropSure Sparrowhawk 700WG Herbicide is planned

DO NOT roll field peas after germination if use of CropSure Sparrowhawk 700WG Herbicide is planned.

Before using this product on field pea varieties other than Bohatyr, Bonzer, Dun, Glenroy, Laura, Magnet, Mukta, Santi and Wirrega, contact your agronomist for up to date information. DO NOT use on Alma, Excell and Parafield varieties.

<p>Pasture legumes and perennial grasses Safety to medic varieties may be lower than to clover varieties. Safety to seedling pastures less than one year old may be lower than to older established pastures. Transient biomass reduction and leaf yellowing may occur to pasture legumes and perennial grasses, with good recovery occurring under favourable seasonal conditions following application. For up to date information on all pasture clover and medic varieties and other temperate pasture species, contact your local agronomist before use.</p> <p>Lucerne Before using this product on lucerne varieties other than Hunterfield, Sceptre, Sequel, Siriver and Trifecta, contact your local agronomist for up to date information DO NOT USE THE HASTEN OR KWICKIN (or equivalent) MIX ON SEEDLING LUCERNE. Replanting: If replanting is necessary in a field previously treated with CropSure Sparrowhawk 700WG Herbicide , the field may be replanted to field peas (above listed varieties only), soybeans or peanuts. DO NOT apply a second treatment of CropSure Sparrowhawk 700WG Herbicide.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT Toxic to aquatic flora. DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.</p>

Storage and Disposal:	<p>Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight.</p> <p>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.</p> <p>If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility.</p> <p>If an approved waste management facility if not available, bury the empty packaging 500 mm 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.</p>
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Safety Directions:	Will irritate the eyes. When opening the container and preparing spray, wear face shield or goggles. If product in eyes, wash it out immediately with water, Wash hands after use. After each day's use, wash face shield or goggles.
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First Aid Instructions:	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766
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First Aid Warnings:	
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DIRECTIONS FOR USE

CROP	WEEDS CONTROLLED	RATE/ha	WHP	CRITICAL COMMENTS
Field peas Post-emergence (See CROP SAFETY re varieties)	Barley grass (<i>Hordeum leporinum</i>), Brome grass (<i>Bromus spp.</i>), Deadnettle (<i>Lamium amplexicaule</i>), Indian hedge mustard (<i>Sisymbrium orientale</i>), Storksbill (<i>Erodium spp.</i>), Turnip weed (<i>Rapistrum rugosum</i>), Volunteer barley (<i>Hordeum vulgare</i>), Volunteer oats (<i>Avena sativa</i>), Volunteer lupins (<i>Lupinus spp.</i>), Volunteer triticale (<i>Triticosecale spp.</i>), Volunteer wheat (<i>Triticum aestivum</i>), Wild oats (<i>Avena spp.</i>), Wild turnip (<i>Brassica tournefortii</i>), *Doublegee (<i>Emex australis</i>), *Shepherds purse (<i>Capsella bursa-pastoris</i>), *Threehorn bedstraw (<i>Galium tricornutum</i>), *Wild radish (<i>Raphanus raphanistrum</i>), Wireweed (<i>Polygonum aviculare</i>)	45 g plus BS 1000 or equivalent, at 200 mL/100 L water	6 weeks (grazing)	<p>DO NOT apply to field peas beyond the 4 node stage.</p> <p>DO NOT use adjuvants other than BS 1000 or equivalent.</p> <p>Apply to actively growing broadleaved weeds in the cotyledon to 3 leaf stage. Apply to grass weeds up to the 2 tiller stage.</p> <p>Good crop growth will aid weed control. Weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded.</p> <p>*Control will not be 100% but surviving plants will generally be retarded and will not compete with good crop growth. Ensure that crop agronomy is correct, to provide competition to such weeds.</p> <p>Leaf yellowing and height suppression may occur, especially under adverse growing conditions such as moisture stress. Flowering may be delayed.</p> <p>IMPORTANT: Refer to CROP SAFETY section of label regarding use on field peas.</p> <p>Refer to FOLLOW CROPS section of this label regarding follow crops.</p>
Legume based pastures Post-emergence: Clovers, Lucerne, medics, serradellas only. See CROP SAFETY re varieties	As for field peas above. * Silver grass (<i>Vulpia spp.</i>) plus above weeds	45 g plus Hasten [^] or Kwickin [^] or equivalent at 500 mL/100 L water 50 g plus Hasten [^] or Kwickin [^] or equivalent at 500 mL/100 L water plus ammonium sulphate adjuvant at 2 L /100 L water	7 days (grazing)	<p><u>Seedling</u></p> <p>Apply to legumes after full emergence of the third trifoliolate leaf but well before commencement of flowering.</p> <p><u>Established</u></p> <p>Apply before commencement of flowering.</p> <p>Apply to actively growing broadleaved weeds in the cotyledon to 3 leaf stage. Apply to grass weeds up to the 2 tiller stage.</p> <p>Good pasture growth will aid weed control. Weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. Where pasture stand is poor, weed control may be inadequate due to lack of competition. Ensure sufficient spray coverage of weeds particularly in dense pastures.</p> <p>*Control will not be 100% but surviving plants will generally be retarded and will not compete with good crop growth. Very high populations may not be efficiently controlled. Good spray coverage is essential. Ensure that crop agronomy is correct, to provide competition to such weeds.</p> <p>Refer to CROP SAFETY section of this label regarding varieties of clovers and medics and other pasture species.</p>

CROP	WEEDS CONTROLLED	RATE/ha	WHP	CRITICAL COMMENTS
				<p>Note: Use of the 50 g /ha rate plus Hasten or Kwickin may severely damage medics.</p> <p>Refer to FOLLOW CROPS section of this label regarding follow crops.</p>
Lucerne Post-emergence. See CROP SAFETY re varieties	As for post emergence use in field peas (winter weeds) and soybeans (summer weeds).	45 g or 50 g plus BS 1000 or equivalent at 200 mL/100 L water plus ammonium sulphate adjuvant at 2 L /100 L water		<p>Apply to actively growing weeds at growth stages as for field peas (winter weeds) and soybeans (summer weeds).</p> <p>DO NOT use the Hasten or Kwickin mix on seedling Lucerne.</p> <p>Use the 50 g rate for summer weeds.</p> <p>Crop Stage</p> <p><u>Seedling</u></p> <p>Apply when crop is at 2 trifoliate leaf stage and before commencement of flowering.</p> <p><u>Established</u></p> <p>Apply as above following cutting or grazing.</p> <p>Refer to CROP SAFETY section of this label regarding varieties of Lucerne.</p>
Post-emergence Peanuts, Soybeans	Amaranth (<i>Amaranthus</i> spp.), Barley grass (<i>Hordeum leporinum</i>), Barnyard grass (<i>Echinochloa crus-galli</i>), Bell vine (<i>Ipomoea plebeiana</i>), Brome grass (<i>Bromus</i> spp.), Deadnettle (<i>Lamium amplexicaule</i>), Fother (Chenopodium album), Fierce thornapple (<i>Datura ferox</i>), Indian hedge mustard (<i>Sisymbrium orientale</i>), Liverseed grass (<i>Urochloa panicoides</i>), Turnip weed (<i>Rapistrum rugosum</i>), Volunteer barley (<i>Hordeum vulgare</i>), Volunteer oats (<i>Avena sativa</i>), Volunteer lupins (<i>Lupinus</i> spp.), Volunteer triticale (<i>Triticosecale</i> spp.), Volunteer wheat (<i>Triticum aestivum</i>), Wild gooseberry (<i>Phaselia minima</i>), Wild oats (<i>Avena</i> spp.), Wild turnip (<i>Brassica tournefortii</i>), *Anoda weed (<i>Anoda cristata</i>), *Awneless barnyard grass (<i>Echinochloa colona</i>), *Blackberry nightshade (<i>Solanum nigrum</i>), *Caltrop (<i>Tribulus terrestris</i>), *Chickweed (<i>Stellaria media</i>), *Crabgrass (<i>Digitaria ciliaris</i>),	50 g plus EITHER BS 1000 or equivalent at 200 mL/100 L water plus ammonium sulphate adjuvant at 2 L /100 L water OR Hasten or Kwickin or equivalent at 500 mL or 1 L/100 L water	4 weeks (grazing)	<p>DO NOT apply to crops beyond the 6 leaf stage.</p> <p>Apply to actively growing weeds in the cotyledon to 2 leaf stage. Apply to grass weeds up to the 2 tiller stage.</p> <p>If using the Hasten or Kwickin mix, use the 1 L / 100 L rate where grass weeds predominate.</p> <p>*Control will not be 100% but surviving plants will generally be retarded and will not compete with good crop growth. Ensure that crop agronomy is correct, to provide competition to such weeds.</p> <p>Refer to FOLLOW CROPS section of this label regarding follow crops.</p>

CROP	WEEDS CONTROLLED	RATE/ha	WHP	CRITICAL COMMENTS
	*Doublegee (<i>Emex australis</i>), Noogoora burr (<i>Xanthium pungens</i>), *Shepherds purse (<i>Capsella bursa-pastoris</i>), *Threehorn bedstraw (<i>Galium tricornutum</i>), *Wild radish (<i>Raphanus raphanistrum</i>), Wireweed (<i>Polygonum aviculare</i>)			

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

FOLLOW CROPS

Under conditions such as very dry seasons, which 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 this product, rotational crop injury is always possible. The following minimum re-cropping intervals (months after application) should be observed.

Following use in lucerne, legume-based pastures and field peas:

MONTHS AFTER APPLICATION		
0	10	21
Field peas Canola varieties with CLEARFIELD [®] TECHNOLOGY Maize varieties with CLEARFIELD TECHNOLOGY Wheat varieties with CLEARFIELD TECHNOLOGY	Chick peas Faba beans Lucerne Lupins Pasture legumes Vetch *Barley *Wheat (except varieties with CLEARFIELD technology) *Triticale	All other crops including canola (except varieties with CLEARFIELD technology) Oats Safflower

*The following additional requirements apply if it is intended to sow wheat, barley, or triticale during the next winter season:

DO NOT apply CROPSURE Sparrowhawk 700WG HERBICIDE later than the end of August.

DO NOT apply CROPSURE Sparrowhawk 700WG HERBICIDE in areas where rainfall from the time of spraying to sowing of cereals is expected to be below 200 mm.

Furthermore:

DO NOT use on soils of pH 5.5 (CaCl_2) or less in areas where rainfall from spraying to sowing of cereals is expected to be below 300 mm.

In late, short seasons where the soil is cold for most of the time it is wet, break-down will be slower and plant-back times will be extended.

If expected rainfall is not received following use of CROPSURE Sparrowhawk 700WG HERBICIDE , consult your local agronomist before planting wheat, barley or triticale. (In calculating rainfall actually received, exclude single, isolated falls which do not result in periods of continuous soil moisture to allow microbial breakdown to occur in the root zone).

Following use in summer crops:

MONTHS AFTER APPLICATION			
0	5	10	18
Mungbeans Peanuts Soybeans Canola varieties with CLEARFIELD TECHNOLOGY Maize varieties with CLEARFIELD TECHNOLOGY Wheat varieties with CLEARFIELD TECHNOLOGY	*Chick peas *Lucerne *Lupins *Pasture legumes *Barley *Wheat (except varieties with CLEARFIELD technology)	**Maize (except varieties with CLEARFIELD technology) **Sorghum **Cotton **Oats **Sunflower	All other crops (providing rainfall and irrigation exceeds 2000 mm)

*DO NOT plant these crops unless interim rainfall (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.

Dryland only:

MONTHS AFTER APPLICATION				
0	8	10	15	22

Mungbeans Peanuts Soybeans Canola varieties with CLEARFIELD TECHNOLOGY Maize varieties with CLEARFIELD TECHNOLOGY Wheat varieties with CLEARFIELD TECHNOLOGY	*Lucerne *Barley *Wheat (except varieties with CLEARFIELD technology)	**Chick peas **Maize (except varieties with CLEARFIELD technology) **Sorghum **Cotton **Oats **Sunflower	Pasture legumes Lupins	All other crops (providing rainfall and irrigation exceeds 2000 mm)
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*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.