

Product Name: Tough 600 EC Herbicide  
APVMA Approval No: 87622/118820



Label Name:	Tough 600 EC Herbicide
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Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	600 g/L Pyridate
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Mode of Action:	GROUP C HERBICIDE
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Statement of Claims:	For the control of seedling broadleaf weeds in chickpeas as specified in DIRECTIONS FOR USE table
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Net Contents:	1 L, 5 L, 10 L, 20 L, 50 L, 110 L, 200 L & 1000 L
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Restraints:	Attached This section contains file attachment.
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	Harvest: NOT REQUIRED WHEN USED AS DIRECTED.
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	<p>Grazing: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER APPLICATION.</p>
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Trade Advice:	
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General Instructions:	<p>Tough 600 EC Herbicide is a contact herbicide. Thorough coverage of the plant foliage, including the growing point, is necessary for maximum weed control. Weeds must be young and actively growing. Best weed control is obtained on small, newly germinated weeds. Although weeds may not all germinate at once, do not delay application to catch later germinations.</p> <p>Best weed control is obtained when Tough 600 EC is sprayed under high humidity conditions.</p> <p>Tough 600 EC should be used after a pre-emergence herbicide (simazine or cyanazine) for best results. Do not apply a grass specific herbicide within 14 days of an application of Tough 600 EC due to Tough 600 EC antagonising the effect of grass killers.</p> <p><b>MIXING</b> Add the required quantity of Tough 600 EC to water in the spray tank and mix thoroughly. For boom sprays apply in a minimum of 50 L water per hectare.</p>
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Resistance Warning:	<p>Tough 600 EC is a member of the phenyl-pyridazine group of herbicides and acts by inhibiting photosynthesis at photosystem II. For weed resistance management Tough 600 EC is a Group C herbicide. Some naturally occurring weed biotypes resistant to Tough 600 EC and other Group C 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 Tough 600 EC or other Group C herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Belchim Crop Protection N.V. accepts no liability for any losses that may result from the failure of Tough 600 EC to control resistant weeds.</p>
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Precautions:	<p><b>Re-Entry</b> Do not enter treated areas until the spray has dried. If prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.</p>
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Protections:	<p><b>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</b> Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.</p>
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Storage and Disposal:	<p>Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in 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. If an approved waste management facility is 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, nose, throat and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. Avoid inhaling vapour or spray mist. When opening the container and preparing the spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow length chemical resistant gloves and face shield or goggles. When using the prepared spray, wear protective waterproof clothing and gauntlet length chemical resistant gloves. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.
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First Aid Instructions:	If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If skin contact occurs, remove contaminated clothing and wash skin thoroughly
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First Aid Warnings:	Warning:  Vapour is harmful to health on prolonged exposure.  Only open the container and prepare the spray in well a ventilated area.
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## RESTRAINTS

For PROFESSIONAL use only.

DO NOT apply by aircraft.

DO NOT apply by a vertical sprayer.

DO NOT spray crops under stress from drought, frost, disease, waterlogging or injury from other pesticides.

DO NOT apply if heavy rains or storms are forecast within 3 days.

DO NOT irrigate to the point of runoff for at least 3 days after application.

DO NOT apply more than one application per crop per season.

## SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at [www.apvma.gov.au/spraydrift](http://www.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 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 apply unless the wind speed is between three 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:

- Spray droplets are not smaller than a MEDIUM spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas are observed (see 'Mandatory buffer zones' section of the following table titled 'Buffer Zones for Boom Sprayers').

Buffer Zones for Boom Sprayers

Application Rate	Boom Height Above the Target Canopy	Mandatory Downwind Buffer Zones		
		Livestock Areas	Natural Aquatic Areas	Vegetation Areas
Up to 1.5 L/ha	0.5 m or lower	50 metres	40 metres	15 metres
	1.0 m or lower	230 metres	110 metres	45 metres
750 mL/ha or lower	0.5 m or lower	20 metres	25 metres	5 metres
	1.0 m or lower	95 metres	70 metres	30 metres

## INTEGRATED PEST MANAGEMENT

Toxic to beneficial arthropods. Not compatible with integrated pest management. Not compatible with integrated pest management (IPM) programs utilising beneficial arthropods. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.

## DIRECTIONS FOR USE

Crop	Weeds Controlled	Rate	Critical Comments
Chickpeas (all states except Tas)	Capeweed, fumitory, mouse-eared chickweed, sheepweed, toadrush	0.75 or 1.5 L/ha	DO NOT apply after BBCH 62 (20 % flowers open).  Best weed control is obtained on small, newly germinated weeds.
Chickpeas (all states except Tas and SA)	Amsinckia, deadnettle, common sowthistle (milk thistle), prickly lettuce	1.5 L/ha	Use lower rate on weeds up to 3 leaves. Use higher rate on weeds up to 5 leaves.  Weeds must be healthy and actively growing. Thorough coverage of the weed will ensure optimal control.

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