

Product Name:
APVMA Approval No:

Ezycrop Prosulfocarb 800 Herbicide
86887/116906



Label Name:	Ezycrop Prosulfocarb 800 Herbicide
Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	800 g/L PROSULFOCARB
Mode of Action:	GROUP J HERBICIDE
Statement of Claims:	For the Control of Annual Ryegrass (<i>Lolium rigidum</i>) in Barley and Wheat as per the Directions for Use
Net Contents:	5L - 1000L
Restraints:	DO NOT apply more than 2.5L/ha per single growing season. DO NOT use in seeding/tillage systems that cannot ensure accurate seed placement and adequate spatial separation of seed and herbicide. DO NOT apply to soils prone to waterlogging, sodic soils or soils affected by physical compaction. DO NOT apply if heavy rains or storms that are likely to cause runoff are forecast within 2 days of application. DO NOT apply by air.
Directions for Use:	This section contains file attachment.
Other Limitations:	NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

Withholding Periods:	Barley, Wheat HARVEST: NOT REQUIRED WHEN USED AS DIRECTED GRAZING: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 10 WEEKS AFTER APPLICATION
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Trade Advice:	
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General Instructions:	<p>Ezycrop Prosulfocarb 800 Herbicide is a short residual, soil applied, pre-emergent herbicide that is absorbed by the roots and shoots (coleoptile) of germinating seedlings with inhibition of growth in the meristematic region. Foliar uptake is possible but of lower effect. Upstream translocation in the plant occurs but movement in the phloem is very unlikely. Best activity can be expected from applications before or shortly after the germination of target weeds.</p> <p>Pre-emergent application – the product should be applied to a moist smooth seedbed free of soil clods and emerged weeds. Product efficacy may be reduced by improper incorporation, high levels of crop or trash residues, stones or foreign matter and in areas of extremely high weed seed density such as header rows. For optimal efficacy and crop safety in wheat avoid shallow seeding and ensure accurate seed placement that avoids placement of seed in the herbicide band. Avoid water repellent soils, soils subject to water logging or where furrow walls are likely to collapse. Duration and effectiveness of weed control will depend on use rate, soil type and rainfall or irrigation after application. Adequate rainfall or irrigation should occur within 10 days of application, as this herbicide requires sufficient available soil moisture to ensure soil movement and uptake by emerging weed seeds.</p> <p>A registered post-emergent selective graminicide may be required for the control of later germinating Annual Ryegrass cohorts. Ezycrop Prosulfocarb 800 Herbicide should be used as part of an integrated weed management program that utilises all available weed control tactics.</p> <p>CROP TOLERANCE</p> <p>The selectivity of Ezycrop Prosulfocarb 800 Herbicide is a combination of positional and physiological selectivity. Positional selectivity must be maintained by sowing at an adequate depth below the herbicide band. The physiological selectivity of Ezycrop Prosulfocarb 800 Herbicide is given by the ability of cereals to metabolise the herbicide to inactive compounds more rapidly than susceptible weed species. Environmental factors such as rainfall events following application and soil type will influence product movement into the seed zone. Crop injury may occur when used in sandy soils with high leaching potential or in all soil types when heavy rainfall is received between sowing and emergence. Crop injury may also result from tank mixes with other herbicides. Shallow seeding is not recommended due to the greater potential for movement of herbicide within close proximity of the emerging crop. Conditions resulting in poor root development or the occurrence of crop stresses including waterlogging, drought, frost, nutrient deficiency or disease can result in unacceptable crop damage and yield loss as a result of root uptake of herbicide. Although crop tolerance has been clearly demonstrated in a wide range of registered crop cultivars, differences in relation to the tolerance of recent and future release cultivars may exist. Risk of crop damage may be exacerbated where varieties with short coleoptile length are planted in conjunction with the use of some fungicide seed treatments.</p> <p>TILLAGE SYSTEM</p> <p>IBS with knife or blade pints: Working speed should ensure adequate incorporation of product but avoid soil throw into the adjacent seeding row. Use of press wheels will minimise potential for herbicide to be dragged back into seeding rows. Weed control may be reduced in seeding rows as a result of concentration of herbicide in crop inter-rows. A knife or blade point is defined as being <12 mm in width, having no wings, inverted T or blade and is generally on a minimum 200 mm row spacing.</p> <p>Full disturbance or conventional cultivation, including trailing harrows / prickle chain: Care should be taken to ensure seed placement below the herbicide band as crop damage</p>
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may result where seed is sown too shallow. Consult trifluralin label for tank mix rate selection. PRODUCT MUST BE INCORPORATED INTO THE SOIL WITHIN 7 DAYS OF APPLICATION.

MIXING

Ezycrop Prosulfocarb 800 Herbicide is an emulsifiable concentrate that mixes readily with water. Fill the spray tank to one quarter full. Add Ezycrop Prosulfocarb 800 Herbicide and continue adding water to make up to the final spray volume. Agitate while mixing and spraying.

When tank mixing wettable powder or water dispersible granule formulations should be added to the tank first followed by suspension concentrates (flowables), water soluble salts then Ezycrop Prosulfocarb 800 Herbicide or other emulsifiable concentrate formulations. Maintain thorough agitation during mixing and application. Agitate tank mixes vigorously if allowed to stand.

Note: Tank mix spray solutions should NOT be left standing in the vat overnight.

APPLICATION

DO NOT Apply by air.

Apply by ground rig only in a minimum of 50 L water/ha. Water rate selection should be based on soil type and stubble load. Stubble loads above 40 to 50% ground coverage can reduce weed control below acceptable levels. Water volumes greater than 70 L/ha are recommended in order to reduce the impact of stubble in direct drill or minimum tillage systems. Use a nozzle delivering spray quality in the coarse to very coarse spray range.

SPRAYER CLEAN UP

After using Ezycrop Prosulfocarb 800 Herbicide, empty the tank completely and drain the whole system. Thoroughly wash inside the tank using a pressure hose, drain the tank and clean any filters in the tank, pump, line and nozzles.

To rinse: After cleaning the tank as above, quarter fill the tank with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

COMPATIBILITY

Always refer to registered plant back restrictions on the label of the tank mix partner. Refer to your local Ezycrop Pty Ltd representative for more information relating to the compatibility and crop safety of herbicide tank mixtures.

Ezycrop Prosulfocarb 800 Herbicide is compatible with any 1 of the following insecticides: alpha cypermethrin, bifenthrin, chlorpyrifos, dimethoate and lambda-cyhalothrin.

Ezycrop Prosulfocarb 800 Herbicide is compatible with liquid Urea Ammonium Nitrate (UAN) fertilisers provided the spray solution is under constant high agitation.

Ezycrop Prosulfocarb 800 Herbicide is compatible with the following herbicides: trifluralin (480 g/L), triallate (500 g/L).

As formulations of other manufacturers' products are beyond the control of Ezycrop and water quality varies with location, all mixtures should be tested prior to mixing commercial quantities.

Resistance Warning:

GROUP J HERBICIDE

Ezycrop Prosulfocarb 800 Herbicide is a member of the thiocarbamate group of herbicides. This product has the inhibitors of fat synthesis mode of action. For weed resistance management, this product is a Group J herbicide. Some naturally occurring weed biotypes resistant to this product and other Group J 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 J herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Ezycrop Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds. Advice as to strategies and alternative treatments that can be used should be obtained from your local supplier, consultant, local Department of Agriculture, Primary Industries Department or Ezycrop Pty Ltd representative.

	<p>Resistant Management</p> <p>Large numbers of healthy surviving weeds can be an indication that resistance is developing. Efforts should be made to prevent seed set of the surviving weeds. DO NOT make more than 1 application of a Group J herbicide with the inhibition of fat acid synthesis mode of action to a crop in the same season. If the user suspects that the target weed population is resistant to herbicides with this mode of action, Ezycrop Prosulfocarb 800 Herbicide or other Group J herbicides should not be used. Strategies to minimise the risk of herbicide resistance are available. The above recommendations should be incorporated into an Integrated Weed Management (IWM) Program that uses a diverse range of options to manage grass weeds and avoids over reliance on any 1 method of control. Consult your farm chemical supplier, consultant, local Department of Agriculture or primary Industries, or local Ezycrop Pty Ltd representative for details.</p>
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Precautions:	Re-entry Period: DO NOT allow entry into treated areas until the spray has dried.
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Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS</p> <p>DO NOT sow susceptible crops within 6 months of herbicide application.</p> <p>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.</p> <p>DO NOT allow spray to drift onto adjacent fallow land.</p> <p>DO NOT apply on or near shrubs, trees, lawns or crops other than wheat or barley.</p> <p>DO NOT drain or flush equipment on or near desirable trees or other plants, where their roots may extend, or in situations whereby movement of soil or by seepage absorption of the herbicide may occur.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Highly toxic to aquatic organisms. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.</p> <p>DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto adjacent areas particularly wetlands, waterbodies or watercourses.</p>
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Storage and Disposal:	<p>Store in closed, original containers in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.</p> <p>Triple-rinse containers before disposal. Add risings 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.</p> <p>Returnable containers (110L, 1000L): Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p>
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Safety Directions:	<p>Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. Avoid contact with eyes and skin. When opening the container, preparing the product for use and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use wash gloves and face shield or goggles and contaminated clothing.</p>
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First Aid Instructions:	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.
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First Aid Warnings:	
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DIRECTIONS FOR USE

Crop	Weeds	Rate / ha	Critical Comments
Barley, Wheat	Annual Ryegrass (<i>Lolium rigidum</i>)	2.5 L	Apply pre-emergent and incorporate mechanically by sowing operation (IBS). Application should be made to the moist seedbed up to 7 days prior to sowing and sufficient rain to thoroughly wet the top 3 to 4 cm of soil should occur within 10 days after spraying. Avoid soil throw into adjacent seeding rows or sites where furrow walls may collapse. Refer to crop tolerance, incorporation and tillage requirements under General Instructions.