



Product Name: Conquest Fighter Herbicide
APVMA Approval No: 83851 / 121078

Label Name:	Conquest Fighter 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:	800 g/L PROSULFOCARB
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Mode of Action:	GROUP J HERBICIDE
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Statement of Claims:	For the control of Annual Ryegrass (<i>Lolium rigidum</i>) in Wheat and Barley
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Net Contents:	20-1000L
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Restraints:	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:	Wheat/Barley Harvest: NOT REQUIRED WHEN USED AS DIRECTED
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	Grazing: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 10 WEEKS AFTER APPLICATION
Trade Advice:	
General Instructions:	This section contains file attachment.
Resistance Warning:	<p>GROUP J HERBICIDE</p> <p>FIGHTER Herbicide is a member of the thiocarbamates groups 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, Conquest Crop Protection 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 a Conquest representative.</p> <p>Resistance 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 synthesis mode of action to a crop in the same season. To delay the onset of herbicide tolerance AHRI recommends the rotation of different Mode of Action or tankmixes, with different Mode of Action products like trifluralin.</p> <p>If the user suspects that the target weed population is resistant to herbicides with this mode of action, FIGHTER 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 one method of control. Consult your farm chemical supplier, consultant, local Department of Agriculture or Primary Industries, or local Conquest representative for details.</p>
Precautions:	Re-entry Period: DO NOT enter treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.
Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS</p> <p>DO NOT drain or flush equipment on or near desirable trees or other plants, where their roots may extend, or in situations where by movement of soil or by seepage absorption of the herbicide may occur.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.</p>

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>Refillable containers Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p> <p>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 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:	<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:</p> <ul style="list-style-type: none"> • cotton overalls buttoned to the neck and wrist (or equivalent clothing), • elbow-length chemical resistant gloves • face shield or goggles <p>In addition, when opening the container and mixing and loading, wear a disposable mist face mask covering mouth and nose. 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, face shield or goggles and contaminated clothing.</p>
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First Aid Instructions:	<p>If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.</p>
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First Aid Warnings:	
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RESTRAINTS:

DO NOT apply by aircraft.

DO NOT use in seedlings/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 irrigate treated fields to the point of run off within 3 days of application.

DO NOT apply more than 2.5 L/ha rate Fighter per season.

DO NOT apply if another product containing prosulfocarb has been, or is intended to be, applied during the same growing season if the total prosulfocarb will exceed 2000 g a.i./ha.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at 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 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.

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:

- spray droplets not smaller than a **MEDIUM** spray droplet size category
- minimum distances between the application site and downwind sensitive areas (see 'Mandatory 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	
	Natural aquatic areas	Vegetation areas
Up to maximum label rate	10 m	5 m

Conquest Fighter Herbicide

DIRECTIONS FOR USE

Crop	Weeds Controlled	Rate (L/ha)	Critical Comments	
Wheat, Barley	Suppression of Annual Ryegrass (<i>Lolium rigidum</i>)	2.5 L	Apply pre-emergent and incorporate mechanically by the sowing operation (IBS). Application should be made to a 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.	
		1.75 L pre-plant followed by 750 mL post plant pre-emergent	For improvement of annual ryegrass control inside the furrow. Apply pre-plant and incorporate mechanically by the sowing operation (IBS). Application should be made to a moist seedbed up to 7 days prior to planting. Follow with the post-plant application as soon after sowing as possible, but before the crop and weeds emerge. Sufficient rain to thoroughly wet the top 3 to 4 cm of soil should occur within 10 days after each application. At planting avoid soil throw into adjacent seeding rows or sites where furrow walls may collapse.	
	Control of Annual Ryegrass (<i>Lolium rigidum</i>), Wireweed, <i>Phalaris</i> spp, Fumitory	2.5 L + 1.5 – 2.0 L of Conquest Tricon Flexi 480 (trifluralin)	Apply pre-emergent and incorporate mechanically by the sowing operation (IBS). Avoid soil throw into adjacent seeding rows or sites where furrow walls may collapse.	DO NOT use this tank mix where Group D resistance is confirmed or suspected. Application should occur 0-24 hours prior sowing (IBS) and sufficient rain to thoroughly wet the top 3 to 4 cm of soil should occur within 10 days after spraying. For best results apply as close as possible to sowing (within 12 hours).
		1.75 L + 2.0 L of Conquest Tricon Flexi 480 (trifluralin) IBS followed by 750 mL of Fighter post plant pre-emergent	For improvement of annual ryegrass control inside the furrow. Apply pre-plant and incorporate mechanically by the sowing operation (IBS). Follow with the post-plant application as soon after sowing as possible, but before the crop and weeds emerge. Sufficient rain to thoroughly wet the top 3 to 4 cm of soil should occur within 10 days after each application. At planting avoid soil throw into adjacent seeding rows or sites where furrow walls may collapse	Only add trifluralin in minimum tillage knife/blade point systems only as per trifluralin label. Attention to sowing speed and soil throw is important to ensure crop safety. This is especially critical at higher use rates. Risk of crop injury may increase when using high rates of trifluralin 480 g/L with FIGHTER. Always refer to use recommendations on trifluralin label regarding soil type restrictions and incorporation timing and rate selection under different tillage systems. This mixture is recommended for improved ryegrass control. A tank mix with a different MOA product along with other integrated weed management practice will also help delay the development of herbicide resistant weeds. On sandy soils where product movement into the seeding zone, or where soil moisture is low, crop safety and weed control cannot be assured. Attention to sowing speed and soil throw is important to ensure crop safety. Refer to crop tolerance, incorporation and tillage requirements under General Instructions.

Crop	Weeds Controlled	Rate (L/ha)	Critical Comments
Wheat, Barley	Suppression of Annual Ryegrass (<i>Lolium rigidum</i>) (1 to 3 leaf growth stage)	2.5 L	<p>The use of FIGHTER is intended as part of an integrated annual ryegrass management strategy that includes varied means to reduce ryegrass survival and seed-set, to sustain low seed bank numbers. Early post-emergent use of FIGHTER should not be the primary means of managing ryegrass numbers.</p> <p>Surviving plants not controlled by FIGHTER may be stunted and uncompetitive but may still set seed. Apply only to annual ryegrass growing where the soil moisture profile and growing conditions since planting have been good. A follow-up rainfall within 14 day of application is required to achieve a high level of weed suppression.</p> <p>DO NOT apply FIGHTER after growth stage Z25 (GS25)</p> <p>DO NOT apply FIGHTER post-emergent to crops that have been treated with a pre-emergent or split application of FIGHTER.</p> <p>DO NOT apply to crops that are water-logged or may be subject to water logging as unacceptable crop injury may result.</p> <p>DO NOT apply to Annual Ryegrass that has been stressed due to either a period of marginal moisture or water-logging as the level of weed control may be reduced.</p> <p>DO NOT apply to crops under stress, such as herbicide damage, due to increased risk of further crop injury.</p>

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

GENERAL INSTRUCTIONS:

FIGHTER 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.

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 and barley, 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.

Crop Tolerance

The selectivity of FIGHTER in cereals 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 FIGHTER 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. 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.

Tillage System

IBS with knife or blade points: Working speed should ensure adequate incorporation of product but avoid soil throw into the adjacent seeding row. Use of presswheels 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.

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 may result where seed is sown too shallow. Consult trifluralin label for tank mix rate selection.

FIGHTER MUST BE INCORPORATED INTO THE SOIL WITHIN 7 DAYS OF APPLICATION

Mixing

FIGHTER is an emulsifiable concentrate that mixes readily with water. Fill the spray tank to one quarter full. Add FIGHTER 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 FIGHTER 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.

Compatibility

FIGHTER is compatible with any one of the following herbicides: 2,4-D ester, Conquest Spike, atrazine liquid, Conquest Atracrest 900 WG Herbicide, Conquest Rival 750 WG Selective Herbicide, triasulfuron, Conquest Avalanche 750, metsulfuron methyl, glyphosate, Conquest Sulfotron Herbicide, Conquest Encore 240, Conquest Scorcher 250 Herbicide and Conquest Tricon Flexi 480 (trifluralin). Always refer to registered plant back restrictions on the label of the tank mix partner. Refer to your local Conquest representative for more information relating to the compatibility and crop safety of herbicide tank mixtures.

FIGHTER is compatible with any one of the following insecticides: Conquest Alpha Forte or Alpha Duo, Conquest Arrow, chlorpyrifos, dimethoate and lambda-cyhalothrin with methidathion.

FIGHTER is compatible with liquid Urea Ammonium Nitrate (UAN) fertilisers provided the spray solution is under constant high agitation. As formulations of other manufacturers' products are beyond the control of Conquest Crop Protection and water quality varies with location, all mixtures should be tested prior to mixing commercial quantities.

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 spray range.

Sprayer Clean Up

After using FIGHTER, 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.