

## Tufman

## HERBICIDE

## DIRECTIONS FOR USE

**RESTRAINTS:**  
DO NOT store FARMALINX Tufman Herbicide whilst in suspension for more than 2 days or significant breakdown will occur.  
DO NOT store tank mixes of FARMALINX Tufman Herbicide and other products for more than 24 hours to avoid possible product breakdown.  
DO NOT spray weeds for post emergent control if rainfall is expected within 4 hours.  
DO NOT apply to plants suffering stress.

## METHOD OF USE: PRE-SOWING INCORPORATED BY SOWING

CROP/SITUATION	WEEDS CONTROLLED	STATE	RATE g/ha			CRITICAL COMMENTS
			SOIL TYPE			
			Light to Medium	Heavy		
			SOIL pH			
Wheat and Triticale only	Annual Ryegrass (Wimmera Ryegrass)	NSW, Vic, SA, WA only	Less than 7	7-8.5	8.5 or less	
			20	15 or 20*	20	

CROP/SITUATION	WEEDS CONTROLLED	STATE	RATE g/ha	CRITICAL COMMENTS
Wheat and Triticale	Fumitory, Shepherds Purse	NSW, Vic, SA, WA, Tas only	15 or 20	If paddock history suggests a high weed population, use the higher rate.
	Wireweed/Hogweed, Deadnettle	All States		
	Rough Poppy	NSW, SA, WA, Tas only		
	Stemless Thistle	SA only		
	Soursob ( <i>Oxalis pes caprae</i> )	NSW, Vic, SA only	15	Apply only to soils with pH of 7.5 or above. Apply following the emergence of the majority of weeds and leave the soil undisturbed for 1 to 4 weeks prior to cultivation or sowing. Early post emergence applications give the most effective and reliable control.
	Capeweed	NSW, Vic, SA, WA, Tas only	20	On acid soils of pH 5.5 or less in wet years this product will give shorter period of residual control.
	Paradoxa Grass	Qld, Nth NSW (soil pH >7.5) only		Apply to dry soils prior to sowing rain. Incorporation before sowing rain is not necessary.
	Black Bindweed	Qld only		
	Annual Phalaris	NSW only	20 + 0.83 L/ha FARMALINX TriturallinX Herbicide	Spray and incorporate into the soil in one operation, if possible. If not, incorporation should occur within 4 hours of spraying or weed control may be reduced.
	Barley Grass	NSW, Tas only		
	Silver Grass	Tas only		
	Indian Hedge Mustard	All States	15	<b>Note:</b> Refer to General Instructions for optimum timing and conditions.
	Wild Turnip, Mouse-ear Chickweed, Paterson's Curse (Salvation Jane)	NSW, Vic, SA, WA, Tas only		
	Yellow Burweed/ Amsinckia	NSW, Vic, SA, WA only		
	Charlock	Vic, SA, Tas only		
	King Island, Meilott	Vic, SA only		
	Storksbill (Wild Geranium)	Vic, SA, WA, Tas only		
	Pimpernels	NSW, Vic, SA, Tas only		
	Lincoln Weed, Common Iceplant, Ball Mustard	SA only		
	Turnip Weed	Qld, SA only		
	Guildford Grass (Onion Grass)	Vic, SA, WA only		
	Loosestrife	Vic only		
	Corn Gromwell (Sheepweed, White Ironweed)	Qld, NSW, Vic, SA, WA only	20	
	Three Cornered Jack, Doublegee (Spiny Emex)	NSW, Vic, SA, WA only		
	Docks	NSW, Vic, SA, WA, Tas only		
	Fat-Hen	NSW, Tas only		
	Cape Tulip	Vic, SA, WA only		
	Spear Thistle, Slender Thistle	Tas only		
	Prickly Lettuce (Whip Thistle), Tree Hogweed	Vic, SA only		
	Saffron Thistle (Suppression only)	Qld, NSW, Vic, Tas, SA only		
	Bromegrass (Suppression only)	NSW, Vic, SA, WA, Tas only		Gives suppression only if population is 20 plants/m or less.
	New Zealand Spinach	Qld only		
	Mintweed, Saltbush, African Turnip Weed, Slender Celery	Qld, NSW only		

## METHOD OF USE: POST CROP AND WEED EMERGENCE

CROP/SITUATION	WEEDS CONTROLLED	STATE	RATE g/ha			CRITICAL COMMENTS
			SOIL TYPE			
			Light to Medium	Heavy		
			SOIL pH			
Wheat, Barley, Oats, Triticale and Cereal Rye	Annual Ryegrass (Wimmera)	NSW, Vic, SA, WA only	Less than 7	7-8.5	8.5 or less	
			20 or 25*	15 or 20*	20 or 25*	

CROP/SITUATION	WEEDS CONTROLLED	STATE	RATE g/ha	CRITICAL COMMENTS
Wheat, Barley, Oats, Triticale and Cereal Rye	Corn Gromwell (Sheepweed, White Ironweed)	NSW, Vic, SA, WA only	20	Apply from the cotyledon to 2 leaf stage of the weed. If applied later suppression only will occur.
	Black Bindweed (Climbing Buckwheat)	Qld, NSW only		
	Hoary Cress	Vic, SA, Tas only		Apply when weeds have fully emerged.
	Wireweed/Hogweed	All States		<b>Note:</b> Refer to General Instructions for optimum application timing and conditions.
	Densiflower Fumitory ( <i>Fumaria densiflora</i> )	NSW, Vic, Tas, SA only	15 or 20	For Annual Ryegrass, Wild Radish and Deadnettle the heavier rate should be used under heavy weed pressure.
	Wild Radish	All States		
	Deadnettle	Qld, NSW, Vic, SA only		For Wild Radish a second spray with a suitable herbicide may have to be applied to control later germinations.
	Mustards	All States	15	<b>Note:</b> Refer to General Instructions for optimum application timing and conditions.
	Wild Turnip, Paterson's Curse (Salvation Jane)	NSW, Vic, SA, WA, Tas only		
	Yellow Burrweed (Amsinckia)	NSW, Vic, SA, WA only		
	Docks, Storksbill (Wild Geranium)	Vic, SA, WA, Tas only		
	Turnip Weed	Qld, NSW, SA only		
	Mouse-ear Chickweed	NSW, Vic, Tas, SA, WA only		
	Charlock, Pimpernels	NSW, Vic, Tas, SA only		
	Ball Mustard	SA only		
	Guildford Grass (Onion Grass)	Vic, SA, WA only		
	Soursob ( <i>Oxalis pes-caprae</i> )	NSW, Vic, SA, WA only		Apply after majority of Soursobs have emerged.
	Rough Poppy	NSW, SA, WA, Tas only	20	Apply at cotyledon to 4 leaf stage.
	Mintweed, Saltbush, African Turnip Weed, Slender Celery	NSW, Qld only		<b>Note:</b> Refer to General Instructions for optimum application timing and conditions.
	Staggerweed	Qld, NSW, WA, Tas only		
	Shepherd's Purse	NSW, Vic, Tas, SA, WA only		
	Prickly Lettuce (Whip Thistle)	Vic, Tas only		
	Fat Hen	NSW, Tas only		
	Lincoln Weed	SA only		
	Tree Hogweed	Vic only		
	Cape Tulip	Vic, SA, WA only		
	New Zealand Spinach	Qld only		
	Spear Thistle	Tas only		
	Matricaria	Tas, WA only		
	Bifora (Carrot Weed)	SA only	25	
	Stemless Thistle	Vic only		

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

WITHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

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CONTINUED OVERLEAF

**STORAGE AND DISPOSAL**  
Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. Dispose of at 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.

**PROTECTION OF WILDLIFE, FISH, AMPHIBIANS AND ENVIRONMENT**  
DO NOT contaminate streams, rivers, or waterways with the chemical or used containers.  
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 apply or pour or flush spray equipment on, near or within root range of desirable trees or plants or in locations where the chemical wash may run or move within contact range of the roots.  
The following points must be observed to prevent the possible injury or loss of desirable trees or vegetation:  
**PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS**  
FARMALINX Tufman Herbicide can be tank mixed with paraquat and glyphosate. This product is also compatible with Trifluralin. This product is also compatible with the EC formulations of the insecticides omethoate, dimethoate, deltamethrin, fenvalerate and chlorpyrifos. DO NOT add additional wetting agents when tank mixing FARMALINX Tufman Herbicide with a product containing wetting agent in the formulation.  
**COMPATIBILITY**  
FARMALINX Tufman Herbicide can be tank mixed with paraquat and glyphosate. This product is also compatible with the wild oats herbicides Avadek EW<sup>®</sup> and Metavon<sup>®</sup>. FARMALINX Tufman Herbicide can also be tank mixed with Bromoxynil, MCPA 2,4-D Amine and 2,4-D Ester. This product is also compatible with Trifluralin. This product is also compatible with Trifluralin. This product is also compatible with the EC formulations of the insecticides omethoate, dimethoate, deltamethrin, fenvalerate and chlorpyrifos. DO NOT add additional wetting agents when tank mixing FARMALINX Tufman Herbicide with a product containing wetting agent in the formulation.  
**APPLICATION**  
Application equipment will release a gas with a musty chlorine odour when mixed with chlorine bleach which may irritate the eyes, nose, throat and lungs. DO NOT clean equipment in closed areas.  
Caution: DO NOT use chlorine bleach in conjunction with ammonia. Failure to remove all traces of liquid fertilisers containing ammonia, ammonium nitrate or ammonium sulphate from the mixing and application equipment may cause a gas with a musty chlorine odour when mixed with chlorine bleach which may irritate the eyes, nose, throat and lungs. DO NOT clean equipment in closed areas.  
4. Repeat step 1 to remove traces of chlorine bleach.  
3. Remove or clean nozzles, screens and filters separately.  
2. Fill the tank with clean water and add household chlorine bleach (4% chlorine) at 300 mL/100 L of water. Flush through the boom and hoses and allow to agitate for 15 minutes then drain. Repeat this process.  
1. Drain and flush the tank, boom and hoses with clean water for at least ten minutes.  
The following cleaning process must be followed to ensure subsequent injury is avoided in crops other than wheat, triticale, barley, oats and cereal rye. All traces of FARMALINX Tufman Herbicide must be removed immediately after spraying in the following manner:  
Minimum of 700 mm  
24 MONTHS OR MORE

**SPRAYER CLEAN-UP**  
The following cleaning process must be followed to ensure subsequent injury is avoided in crops other than wheat, triticale, barley, oats and cereal rye. All traces of FARMALINX Tufman Herbicide must be removed immediately after spraying in the following manner:  
Minimum of 700 mm  
24 MONTHS OR MORE

**AREAL APPLICATION**  
Apply in a minimum of 20 L/ha of water. Avoid spraying in still conditions and in winds likely to cause spray drift onto sensitive crops or to where sensitive crops are to be sown. See crop rotation recommendations. Turn sprays off when crossing over any waterways.  
Apply in a minimum of 20 L/ha of water. Avoid spraying in still conditions and in winds likely to cause spray drift onto sensitive crops or to where sensitive crops are to be sown. See crop rotation recommendations. Turn sprays off when crossing over any waterways.

**GROUND SPRAYING EQUIPMENT**  
Use a boom spray properly calibrated to ensure speed and delivery rate to a constant or when stopping or crop injury may result. Apply in a minimum of 30 L prepared spray/ha.  
Starting when turning slowly or when stopping or crop injury may result. Apply in a minimum of 30 L prepared spray/ha.  
Use a boom spray properly calibrated to ensure speed and delivery rate to a constant or when stopping or crop injury may result. Apply in a minimum of 30 L prepared spray/ha.

**USE OF SURFACTANT/WETTING AGENT**  
Always add a non-ionic surfactant (1000 g/L) at 100 g/L of spray volume (i.e. 1% volume/volume), for post emergence application only.  
Always add a non-ionic surfactant (1000 g/L) at 100 g/L of spray volume (i.e. 1% volume/volume), for post emergence application only.

**CRITICAL COMMENTS**  
1. Partially fill the spray vat with water.  
2. Add the required amount of product.  
3. Ensure the agitation system is fully engaged.  
4. Top up with the correct volume of water.  
5. In tank mixes always ensure FARMALINX Tufman Herbicide is put in suspension before other compatible products.  
6. When spray solutions have been allowed to stand in the spray tank for long periods thoroughly re-agitate before using.

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5. In tank mixes always ensure FARMALINX Tufman Herbicide is put in suspension before other compatible products.  
6. When spray solutions have been allowed to stand in the spray tank for long periods thoroughly re-agitate before using.

## SAFETY DIRECTIONS

Avoid contact with eyes and skin. DO NOT inhale spray mist. Wash hands after use.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

## MATERIAL SAFETY DATA SHEET

Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for FARMALINX Tufman Herbicide is available from FARMALINX Pty Ltd on request. Call Customer Service on 02 9389 2455.

**NOTICE:** Seller warrants that the product conforms to its chemical description and is responsibly fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. No warranty (other than non-excludable statutory warranties) of merchantability or fitness for a particular purpose, express or implied, extends to the use of the product contrary to label instructions, or under off-label permits not endorsed by FARMALINX Pty Ltd or under abnormal conditions. FARMALINX Pty Ltd accepts no liability for any loss or damage arising from incorrect storage, handling or use.

+ Other registered trademarks

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APVMA Approval No.: 64775/0110

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

FARMALINX

**Tufman**

HERBICIDE

ACTIVE CONSTITUENT: 750 g/kg CHLORSULFURON

GROUP B HERBICIDE

For the control of annual ryegrass, paradoxa grass and certain broadleaf weeds in cereal crops as specified in the Directions for Use table.

IMPORTANT: THIS LEAFLET IS PART OF THE LABEL ATTACHED TO THE CONTAINER. READ THOROUGHLY BEFORE OPENING OR USING THIS PRODUCT

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Bondi Junction NSW 2022

**farmalinx**

## GENERAL INSTRUCTIONS

FARMALINX FARMALINX Tufman Herbicide is a systemic herbicide which acts by inhibiting cell division and growth in the tips of roots and shoots of sensitive plants. Careful consideration should be given to soil pH prior to using FARMALINX Tufman Herbicide. As the pH of soil increases the rate of product breakdown decreases. FARMALINX Tufman Herbicide is not recommended for use on soils with pH of 8.5 or higher as soil residual activity could adversely affect following crops and crop rotation options may be extended beyond normal intervals. FARMALINX Tufman Herbicide is intended for use on soils with pH of 8.5 or lower.

Crops other than wheat, barley, oats, triticale and cereal rye can be particularly sensitive to very low concentrations of FARMALINX Tufman Herbicide in the soil. See crop rotation recommendations. Best weed control is obtained when rainfall or sprinkler irrigation wets the soil to a depth of 5 to 7.5 cm within 4 hours of application.

## PRE-SOWING INCORPORATED BY SOWING

**WA ONLY:** Avoid applying to dry, sandy soils. Rapid leaching is possible with early season rainfall.  
**SA ONLY:** Seek further advice prior to using rates above 15 g/ha on lighter soils with a pH of 7-8.5.  
**CONVENTIONALLY SOWN CROPS:** On soils with pH less than 7 application should occur just before sowing or with the actual sowing operation. On soils with pH above 7 timing the application just prior to sowing isn't as critical. Spray onto a non-ridged surface absent of large clods and use low profile 10 cm combine points for sowing.  
• Ensure sowing operation is done at a speed of 10 kph or more.  
• Use a light set of covering harrows with the sowing operation.  
• If spray is applied to dry soil and sowing will be delayed, incorporate immediately after spraying to prevent losses from wind erosion.

## DIRECT DRILLED CROPS

Apply tank mixed with either:  
1. Paraquat or Paraquat mixes or,  
2. Glyphosate 450 g/L products in accordance with manufacturer's label and specifications.

## POST CROP AND WEED EMERGENCE

Where treatment is delayed or where weeds are not actively growing due to adverse conditions results may be slow to appear and weeds may be only stunted or suppressed.

**Wheat, Triticale and Cereal Rye** – apply after crop emergence when weeds are small and actively growing (Annual Ryegrass no more than 3 leaves, Zadok's Code 13); Broadleaved weeds no more than 5 cm in height or diameter (for Black Bindweed refer to specific recommendations).

**Barley and Oats** – apply between 2 leaf stage of crop (3 leaf stage – SA only) and early tillering when weeds are small and actively growing (Annual Ryegrass no more than 3 leaves, Zadok's Code 13); Broadleaved weeds no more than 5 cm in height or diameter (for Black Bindweed refer to specific recommendations).

**ALL CROPS:** DO NOT use more than once each season in any one crop.

## RESISTANT WEEDS WARNING

FARMALINX Tufman Herbicide is a member of the sulfonylurea group of herbicides. FARMALINX Tufman Herbicide has the inhibitor of the enzyme acetolactate synthase (ALS) mode of action. For weed resistance management FARMALINX Tufman Herbicide is a Group B herbicide. Some naturally occurring weed biotypes resistant to FARMALINX Tufman Herbicide and other Group B herbicides (including Annual Ryegrass and some broadleaf weeds) are known to exist. They can eventually dominate the weed population if these herbicides are

GROUP B HERBICIDE

used repeatedly. These resistant weeds will not be controlled by FARMALINX Tufman Herbicide or other Group B herbicides. Annual Ryegrass biotypes resistant to diclofop-methyl and other "grass specific" herbicides are often also resistant to FARMALINX Tufman Herbicide. Before using FARMALINX Tufman Herbicide on a population resistant to "grass specific" herbicides, have a resistance test conducted to ensure that it is still susceptible to FARMALINX Tufman Herbicide. Since the occurrence of resistant weeds is difficult to detect prior to use, FARMALINX Pty Ltd. accepts no liability for any losses that may result from a failure of FARMALINX Tufman Herbicide to control resistant weeds. To prevent, or at least minimise the risk of resistant weeds occurring, use FARMALINX Tufman Herbicide, in tank mixes (if appropriate), and/or rotations with herbicides having different modes of action effective on the same weed species. Large numbers of healthy surviving weeds can be an indication that resistance is developing. Efforts should be taken to prevent seed set of these survivors. DO NOT make more than one application of Group B herbicide to a crop, either pre-sowing incorporated by sowing or post crop and weed emergence. If the user suspects that a Group B resistant weed is present, FARMALINX Tufman Herbicide or other Group B herbicides should not be used. Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier, consultant, local Department of Agriculture or Primary Industries or local FARMALINX representative.

**GRAZING ADVICE:** A nil withholding period for grazing FARMALINX Tufman Herbicide treated areas is applicable. Avoid grazing FARMALINX Tufman Herbicide treated areas within 24 hours of application to optimise weed control.

## CROP SAFETY

DO NOT apply FARMALINX Tufman Herbicide to crops or weeds that are under stress from any cause (such as severe weather conditions, drought, waterlogging, excessive soil acidity or alkalinity, poor nutrient status, disease, nematode or insect damage) as crop injury or poor weed control may result. When application is followed by severe stress (such as drought, prolonged cold, waterlogging or frosty conditions) some crop yellowing and growth retardation may occur. Crops normally recover without a loss in yield. Disease, nematode or insect damage following treatment may also result in crop injury. DO NOT use in cereals underseeded with legume pasture crops, e.g. medic, clovers. DO NOT use on furrow or flood irrigated cereals. DO NOT apply FARMALINX Tufman Herbicide to light sandy ridges on soils low in organic matter as crop injury may occur. DO NOT apply other sulfonylurea herbicides following the use of FARMALINX Tufman Herbicide. The use of FARMALINX Tufman Herbicide on cereals sown out of season may result in some yield suppression under stressed conditions (e.g. aluminium/manganese toxicity, water logging, frost, etc).

**Barley/Oats:** DO NOT apply FARMALINX Tufman Herbicide prior to the two leaf stage (Zadok's code 12) of the crop (3 leaf stage in SA only - Zadok's code 13). Reduced Barley yields may result from the use of FARMALINX Tufman Herbicide under waterlogged conditions but failure to spray under these conditions may result in even higher yield loss through weed competition and weed seed carryover. DO NOT apply to Stirling barley.

**Wheat:** DO NOT apply to the Milling or Cranbrook varieties. FARMALINX Tufman Herbicide may be used on Kulin on soils which are well drained, with adequate nutrient status (including trace elements), with low disease, nematode and insect damage potential and where soil pH is 5.5-7.5 (1:5, soil: water suspension method). Where FARMALINX Tufman Herbicide is used outside the above conditions then crop injury and/or reduced yield may result. Increased stem breakage may also occur. DO NOT apply to the Avocat and Durati varieties by the pre-sowing incorporated by sowing method of application. DO NOT apply to the Banks variety on soils of pH 5.5 or less by the pre-sowing incorporated by sowing application method. Vulcan variety may suffer some yield reduction on acid soils, particularly under stressed conditions (e.g. aluminium/manganese toxicity, waterlogging, frosts, etc.).