

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



SULFOSULFURON 750 HERBICIDE

ACTIVE CONSTITUENT: 750 g/kg Sulfosulfuron

GROUP B HERBICIDE

Selective Herbicide for the control of certain weeds
in Wheat and Triticale as specified in the
Directions for Use Table.

**IMPORTANT: READ THIS LEAFLET THOROUGHLY
BEFORE USING THIS PRODUCT.**

4 FARMERS AUSTRALIA PTY LTD

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Batch Number:

Date of Manufacture:

APVMA Approval No: 66438/53634

DIRECTIONS FOR USE

RESTRAINTS

DO NOT apply more than once per season.

DO NOT apply to crops under sown with legumes.

DO NOT spray when very dry conditions prevail.

DO NOT use on furrow or flood irrigated crops.

DO NOT apply to soils with pH over 8.5

Weed control may be reduced if rainfall occurs soon after application

Pre-emergent application

CROPS	WEEDS CONTROLLED/ SUPPRESSED	RATE/HA	CRITICAL COMMENTS
Wheat, Triticale (Vic, NSW, WA, SA, Tas only)	Barley Grass* Brome Grass* Wild Turnip	25 g	Apply to bare soil prior to sowing or at sowing and incorporate by the sowing operation. Application should not be made to ridged or excessively cloddy soil. In conservation tillage situations where weeds and grasses have emerged apply as a tank mixture with the recommended rate of 540 g/L glyphosate formulations prior to sowing.
	Weeds as above plus the control of Wild Oats	25 g plus 1.6 L of 4Farmers Tri-Allate 500 EC Herbicide	For best results, follow the 4Farmers Tri-Allate 500 EC Herbicide label directions for incorporation.
	Weeds as above plus: Annual Ryegrass, Canary Grass, Fumitory, Wireweed (Hogweed)	25 g plus 800 mL 4Farmers Trifluralin 480 EC Herbicide	For best results, follow the 4Farmers Trifluralin 480 EC Herbicide label directions for incorporation.

*Suppression only

Post-emergent application

Apply to Wheat and Triticale from early crop emergence to the 5-leaf/early tillering growth stage (Z11-15,22).

Always use surfactant/wetting agent-Post Emergent

Always add D-C-Trate at 1 L/100 L (1% volume/volume) of final spray volume.

CROPS	WEEDS CONTROLLED/ SUPPRESSED	STAGE OF WEED GROWTH	RATE/HA	CRITICAL COMMENTS
Wheat, Triticale (Vic, NSW, WA, SA, Tas only)	Amsinckia, Wild Mustard (<i>Sinapis arvensis</i>)	Apply at the cotyledon to 4-leaf stage	25 g	Optimum results will be obtained if good soil moisture exists at and after application. A follow up spray with a different herbicide may be necessary to control subsequent germinations. When treating dense infestations of Silvergrass, use water volumes of at least 70 L/ha and small droplets to improve coverage. 4Farmers Sulfosulfuron Herbicide will provide good control of Volunteer Field Peas. However, a small proportion of plants may survive and require a follow up spray with a different herbicide to eliminate the potential for grain contamination.
	Barley Grass* Silvergrass (<i>Vulpia bromoides</i>), Wild Oats	Apply at the 1-4 leaf stage (Z11-14)		
	Brome Grass* (<i>Bromus diandrus</i> & <i>B rigidus</i>)	Apply at the 1 to 3 leaf stage (Z11-13)	pH more than 7-20 g, pH less than 7-25 g	
	Volunteer Canola (except Canola tolerant to Group B herbicides), Wild Radish, Wild Turnip	Apply at the cotyledon to 4-leaf stage	20 g	
	Volunteer Field Peas	Apply at the 1-3 leaf stage	20 g	

*Suppression only

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

WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED

CROP ROTATION GUIDELINES

Where 4Farmers Sulfosulfuron 750 is applied at the rate of 20 to 25 g/ha:

Wheat and Triticale can be planted the following season without restrictions. For other specified crops, the 4Farmers Sulfosulfuron 750 Herbicide treated area may be replanted after the interval indicated in the table below. These recommendations are made on the assumption that 4Farmers Sulfosulfuron 750 Herbicide is applied to a Wheat or Triticale crop that reaches maturity in the season of application.

Plant back period: Vic, NSW, WA, SA, Tas only

Soil pH (1:5 soil:water suspension method)	Re-plant interval	Minimum rainfall	Crop
6.5 or less	10 months	300 mm	Canola, chickpeas, Lentils, Lupins, Oats, Peas, Sub-clover*
	12 months	300 mm	
6.5 to 8.5	10 months	300 mm	Cereal Rye
	22 months	600 mm	Barley, Canola, Cereal Rye, Chickpeas, Faba Beans, Lentils, Medic*, Oats, Peas, Vetch

Minimum rainfall required between 4Farmers Sulfosulfuron Herbicide application and the sowing of the plant back crop.

*includes natural re-generation of Sub-clover and Medics.

DO NOT apply to soils with a pH water > 8.5

For all other crops refer to 4 Farmers Australia Pty Ltd for further advice.

GENERAL INSTRUCTIONS

4Farmers Sulfosulfuron 750 Herbicide is a selective herbicide absorbed by foliage and roots. It is rapidly translocated and acts by inhibiting acetolactate synthase (ALS), an enzyme necessary for root and shoot growth in sensitive plants. 4Farmers Sulfosulfuron 750 Herbicide is a water dispersible granular herbicide for use in Wheat and Triticale. It can be used as a pre-plant, incorporated by sowing, for the control of Wild Turnip, suppression of Barley Grass and Brome Grass, or as a post emergent for the control of Silvergrass, Wild Radish and Wild Turnip, and suppression of Barley Grass, Brome Grass, Wild Mustard (*Sinapis arvensis*) and Wild Oats.

Pre-emergent: Apply to bare soil prior to sowing or at sowing and incorporate by the sowing operation to give thorough mixing. If applied to dry soil and sowing is to be delayed, incorporate immediately after spraying to prevent loss by wind erosion. For best results apply to moist soil when follow-up rain is likely to occur within 7-10 days. Weeds may emerge and will become stunted and uncompetitive soon after application although final results may not show for some weeks.

Post-emergent: Weeds should be young and actively growing. Use the higher rate under heavy weeds pressure and for larger weeds. A follow-up spray with a suitable herbicide may be necessary to control subsequent germinations. Best weed control is obtained when rainfall wets the soil to a depth of 5 to 7.5 cm within 7-10 days of application. Weeds will become stunted and uncompetitive soon after application although final results may not show for some weeks.

When treatment is delayed or where weeds are not actively growing due to adverse conditions, for example, dry, waterlogged, frosty or diseased conditions, nutrient deficiency, high insect pressure or previous herbicide treatment, reduce levels of control may result.

4Farmers Sulfosulfuron 750 Herbicide will remain in the soil for a period of time. The persistence of 4Farmers Sulfosulfuron 750 Herbicide in the soil is dependent on various environmental conditions e.g. soil pH, soil moisture, soil temperature and organic matter. Crops other than Wheat and Triticale may be very sensitive to low soil concentrations of 4Farmers Sulfosulfuron 750 Herbicide, thus prior to using 4Farmers Sulfosulfuron Herbicide, careful consideration should be given to crop rotation plants (see Crop Safety and Crop Rotation Guidelines).

MIXING

4Farmers Sulfosulfuron 750 Herbicide is a water dispersible granular herbicide, which mixes readily with water and is applied as a spray:

1. Partly fill the spray tank with water.
2. Start the agitation.
3. Add the correct amount of 4Farmers Sulfosulfuron 750 Herbicide to the spray tank with the agitation system running.
4. Continue agitation while topping up the tank with water and while spraying.
5. In tank mixes 4Farmers Sulfosulfuron 750 Herbicide must be in suspension before adding the companion herbicide surfactant.
6. Use the spray mix within 24 hours of preparation.

APPLICATION

Apply by boom spray with flat fan nozzles. Ensure good spray coverage is obtained. Apply using 40 to 100 L of water/ha. Avoid overlapping of boom runs. Use higher water volumes where crop or weed density is high.

DO NOT apply by aircraft.

Spray Cleanup

Where the sprayer is being used to spray Wheat or Triticale crops, rinse the sprayer thoroughly with water. Where the sprayer is being used to spray crops other than Wheat or triticale:

1. Drain tank and rinse tank and spray boom with clean water for at least 10 minutes.
2. Fill the tank with clean water and add to it 300 mL of household chlorine bleach (containing 4% chlorine) per 100 L of water. Rinse hoses and boom and leave in tank for 15 minutes whilst agitating. Drain through nozzle.
3. Repeat step 2 and then rinse thoroughly with clean water to remove all traces of chlorine bleach.

4. Nozzles and filters should be cleaned separately.

5. Dispose of all water used for cleaning.

Caution: DO NOT use chlorine bleach with ammonia. All traces of liquid fertilizer containing ammonia, ammonium nitrate or ammonium sulfate must be rinsed with water from the mixing and application equipment before adding chlorine bleach solution. Failure to do so will release a gas with a musty chloride odour, which can cause eye, nose and lung irritation. **DO NOT** clean equipment in an enclosed area.

COMPATIBILITY

Read and follow all label directions, restraints, plant back and withholding periods and safety directions for all tank-mix products. In tank mixes, 4Farmers Sulfosulfuron 750 Herbicide must be in suspension before adding the companion product or surfactant.

Pre-emergent: 4Farmers Sulfosulfuron 750 Herbicide is compatible with 4Farmers Tri-Allate 500 EC, 4Farmers Glyphosate 450 Herbicide, 4Farmers Paraquat 250 Herbicide, 4Farmers Brown Out 250 Herbicide and 4Farmers Trifluralin 480 EC Herbicide.

Post Emergent: 4Farmers Sulfosulfuron 750 Herbicide is compatible as a two way mixture with 4Farmers Clopyralid 300 Herbicide, LVE MCPA (up to 350 mL/ha) and Nugrex/Tigrex (up to 750 mL/ha) for treatment of Brome Grass, Wild Oats, Wild Mustard (*Sinapis arvensis*), Wild Radish and Wild Turnip. Always add D-C-Trate at 1 L/100 L (1% volume/volume) of final spray volume. Some increased temporary crop yellowing may occur with 4Farmers Sulfosulfuron 750 Herbicide if tank mixed with Nugrex/Tigrex.

Incompatible: The following herbicides and insecticides are incompatible with 4Farmers Sulfosulfuron 750 Herbicide: 4Farmers Tralkoxydim 400 WG Herbicide, Dicamba, Diclofop-Methyl, Terbutryn, 4Farmers Omethoate 290 Insecticide and Dimethoate.

CROP SAFETY

DO NOT use on winter cereals undersown with legume pasture crops e.g. Medics, Clovers, Lucerne. DO NOT use on Barley or Oats. 4Farmers Sulfosulfuron 750 Herbicide is effective on a range of plants, even at low rates of application. Since many rotational crops are sensitive, growers will need to consider the soil carry-over effects on subsequent crops. Below average rainfall, high levels of applied 4Farmers Sulfosulfuron 750 Herbicide (greater than the recommended rates), pH greater than 6.5 and low soil temperatures and low rainfall all increase the carry-over risk. Where 4Farmers Sulfosulfuron 750 Herbicide is used on soil types with pH greater than 8 (1:5 soil:water suspension method) and less than 300 mm of rainfall has occurred since application, further advice should be sought from 4 Farmers Australia Pty Ltd regarding crop rotations, except for Wheat and Triticale.

Note: Some crop yellowing or crop retardation may occur where a stress factor such as waterlogging, Rhizoctonia, take all, cereal cyst nematode, nutrient deficiency or trace element deficiency is already present. Early season crop retardation may occur where 4Farmers Sulfosulfuron 750 Herbicide is used on soils with a pH greater than 8 and which are prone to zinc deficiency.

See Crop Rotation Guidelines for further information.

RESISTANT WEED WARNING

GROUP B HERBICIDE

4Farmers Sulfosulfuron 750 Herbicide is a member of the sulfonylurea group of herbicides and has the ALS inhibitor mode of action. For weed resistant management 4Farmers Sulfosulfuron 750 Herbicide is a Group B Herbicide. Some naturally occurring weed biotypes resistant to 4Farmers Sulfosulfuron 750 Herbicide and other Group B Herbicide may exist through normal genetic variability in any weed population. These resistant individuals will not be controlled by 4Farmers Sulfosulfuron 750 Herbicide or other Group B Herbicides. To prevent or at least minimize the risk of resistant weeds occurring, use 4Farmers Sulfosulfuron 750 Herbicide tank mixes (if appropriate) and/or rotations with herbicides having different modes of action effective on the same weed species. **DO NOT** make more than one application of an ALS inhibitor herbicide to a crop, wither pre-sowing incorporated by sowing or post crop and

weed emergence. Since the occurrence of resistant weeds is difficult to detect prior to use, 4 Farmers Australia Pty Ltd accepts no liability for any losses that may result from the failure of 4Farmers Sulfosulfuron 750 Herbicide to control for 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 4 Farmers Australia Pty Ltd representative.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Dangerous to plants, including aquatic plants.

DO NOT apply or 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 seepage, absorption of the herbicide may occur.

DO NOT apply under weather condition or from spraying equipment that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate dams, streams, rivers or waterways with chemical or used containers.

STORAGE AND DISPOSAL

Store in a closed, original container in a well-ventilated area as cool as possible and away from children, animals, food, feedstuffs, seed and fertilisers. DO NOT store for prolonged periods in direct sunlight. Rinse containers before disposal. Add rinsings to spray tanks. **DO NOT** dispose of undiluted chemicals on site. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal 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 container or product.

SAFETY DIRECTIONS

Will irritate eyes. Avoid contact with eyes. **DO NOT** inhale dust. Wash hands after use.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information centre (Phone Australia 13 11 26).

SAFETY DATA SHEET

For further information please refer to the Safety Data Sheet. For a copy visit our website at www.4farmers.com.au

CONDITIONS OF SALE

4 Farmers Australia Pty Ltd shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connections with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on 4Farmers skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of 4 Farmers Australia Pty Ltd has any authority to add to or alter these conditions.

In a Transport Emergency
Dial 000
Police or Fire Brigade

Special Poisons Advice:
13 11 26