

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

GENFARM SULFOSULFURON 750 WG HERBICIDE

ACTIVE CONSTITUENT: 750 g/kg SULFOSULFURON

GROUP	B	HERBICIDE
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Selective Herbicide for the control of certain weeds in wheat and triticale as specified in the Directions for Use Table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT

Contents: 500g, 1kg

**Landmark Operations Limited
Suite 2, Level 3, 64 Talavera Road,
North Ryde, NSW, 2113
Tel: (02) 9889 5400
Product Support Tel: 1800 44 88 92**



**RLP
Approved**

STORAGE AND DISPOSAL

Store in the original container, tightly closed in a safe well-ventilated area, as cool as possible. DO NOT store for prolonged periods in direct sunlight.

This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple rinse container for disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection point or similar container management program site. The cap should not be replaced but may be taken separately.

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 and product.

SAFETY DIRECTIONS

Will irritate the 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 131 126.

MATERIAL SAFETY DATA SHEET

For further information, refer to the Material Safety Data Sheet (MSDS) which is available from the supplier.

CONDITIONS OF SALE

The use of this product is beyond the control of Landmark Operations Limited. No warranty is expressed or implied regarding the suitability or efficiency for any purpose for which it is used by the buyer. Landmark Operations Limited accepts no responsibility for any consequences resulting from the use of this product. Landmark Operations Limited will not be held liable for any loss, injury or damage arising from the sale, supply or use of this product, whether through negligence or otherwise. No responsibility will be accepted for any consequences whatsoever resulting from the use of this product.

IN A TRANSPORT EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE	For specialist advice in an emergency dial 1 800 033 111 24 hours Australia wide.
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APVMA Approval No: 69828/61852
Batch No:
Date of Manufacture:



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DIRECTIONS FOR USE

Restrictions

- DO NOT apply more than once per season.
- DO NOT apply to crops undersown 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 merged apply as a tank mixture with the recommended rate of Glyphosate prior to sowing.
	Weeds as above plus control of wild oats	25 g plus 1.5 L of Avadex Xtra	For best results follow the Avadx Xtra label directions for incorporation.
	Weeds as above plus Annual ryegrass, Canary grass, Fumitory, Wireweed (Hogweed)	25 g plus 800mL Trifluralin 480	For best results follow the trifluralin 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)

Use of a surfactant/wetting agent – Post emergent

Always add Bonza at 1-2L/100L (1-2% 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)	Amsinkia, Wild Mustard* (<i>Sinapsis arvensis</i>)	Apply at the cotyledon to 4 leaf stage	25g	Optimum results will be obtained if good soil moisture exists at or after application. A followup spray with a different herbicide may be necessary to control subsequent germinations. When treating dense infestations of silvergrass use water volumes of at least 70L/ha and small droplets to improve coverage. Genfarm Sulfosulfuron 750 WG will provide good control of volunteer filed 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*, Silver grass (<i>Vulpia bromoides</i>), Wild Oats*	Apply at the 1 to 4 leaf stage (Z 11-14)	25 g	
	Brome grass* (<i>Bromus diandrus</i> and <i>B.rigidus</i>)	Apply at the 1 to 3 leaf stage (Z 11-13)	pH more than 7.0 – 20 g pH less than 7.0 – 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 filed peas	Apply at the 1-3 leaf stage	20	

*Suppression only

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

**WITHHOLDING PERIODS:
NOT REQUIRED WHEN USED AS DIRECTED.**

Crop Rotation Guidelines

Where the product is to be 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 Genfarm Sulfosulfuron 750 WG treated area may be re-planted after the interval indicated in the table below. These recommendations are made on the assumption the Genfarm Sulfosulfuron 750 WG is applied to a wheat or triticale crop that reaches maturity in season of application.

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

Soil pH (1:5 soil water suspension method)	Replant interval	Minimum rainfall¹	Crop
6.5 or less	10 months	300 mm	Canola, chickpeas, lentils, lupins, pats, peas, Sub-clover*
	12 months	300 mm	Barley, faba beans
6.5 to 8.5	10 months	300 mm	Cereal rye
	22 months	600mm	Barley, canola, chickpeas, faba beans, lentils, Medic*, oats, peas, vetch

¹Minimum rainfall required between Genfarm Sulfosulfuron 750WG application and the sowing of the plantback crop.

*Includes natural regeneration of sub clover and medics.

Do not apply to soils with a pH (water) > 8.5

For all other crops refer to Landmark for advice.

General Instructions

Genfarm Sulfosulfuron 750WG should be used under the Landmark Stewardship Program. Genfarm Sulfosulfuron 750WG 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. Genfarm Sulfosulfuron 750WG 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 and 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 (*Sinapsis 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 sowing 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 of application. 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 weed pressure and for larger weeds. A follow up spray with a suitable herbicide may be necessary to control subsequent germinations. Best weed control occurs when rainfall wets the soil to a depth of 5 to 7.5cm within 7-10 days of applicaoitn. 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 eg dry, water-logged, frosty or diseased conditions, nutrient deficiency, high insect pressure or previous herbicide treatment, reduced levels of control may result.

Genfarm Sulfosulfuron 750WG will remain in the soils for a period of time. The persistence of Genfarm Sulfosulfuron 750WG in the soil is dependent on various environmental conditions eg soil pH, soil moisture, soil temperature and organic matter. Crops other than wheat or triticale can be very sensitive to low soil concentrations of Genfarm Sulfosulfuron 750WG, thus, prior to using the product careful consideration should be given to crop rotation plans (see Crop Safety and Crop Rotation Guidelines.)

Mixing

Genfarm Sulfosulfuron 750WG is a water dispersible granule which mixes readily with water and is applied as a spray.

1. Fill tank partially with water
2. Start the agitation.
3. Add the correct amount of the product to the spray tank with agitation system running.
4. Continue agitating while topping up the tank with water and while spraying.
5. In tank mixes Genfarm Sulfosulfuron 750WG must be in suspension before adding the companion product or surfactant (eg Bonza).
6. Use the spray mix within 24 hours of preparation.

Application

Apply by boom spray producing a fine to medium spray quality. Ensure good spray coverage is obtained. Apply using 40 to 100 litres of water per hectare. Avoid overlapping boom runs. Use higher water volumes where crop or weed density is high. DO NOT apply by aircraft.

SPRAYER CLEAN-UP

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

1. Drain tank, then flush tank, boom and hoses with clean water for at least 10 minutes.
2. Fill tank with clean water then add 300 mL of household chlorine bleach (4% chlorine) per 100 L of water. Flush through boom and hoses, then allow to sit for 15 minutes with agitation engaged, then drain through nozzle.
3. Repeat step 2 and then rinse thoroughly with clean water to remove all traces of chlorine bleach.
4. Nozzles and screen should be cleaned separately.
5. Dispose of all water used for cleaning.

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

Compatibility

Read and follow all label directions, restraints and plant back, and with holding periods and safety directions for all tank mix products. In tank mixtures Genfarm Sulfosulfuron 750WG must be in suspension before adding the companion product or surfactant.

Pre emergent : Genfarm Sulfosulfuron 750WG is compatible with Avadex Xtra, Genfarm Panzer 450, Genfarm Di-Par, Genfarm Trifluralin 480, Genfarm Diquat 200, Genfarm Paraquat.

Post Emergent: Genfarm Sulfosulfuron 750WG is compatible with a two way mixture with Genfarm Clopyralid 300 (up to 300mL/ha), MCPA LVE (up to 350mL/ha), Genfarm Diflu-MCPA, (upto 750mL/ha), for the treatment of brome grass, wild oats, wild mustard (*Sinapis arvensis*), wild radish and wild turnip. Always add Bonza at 1-2L/100L (1-2% vol/vol) for final spray volume. Genfarm Sulfosulfuron 750WG may also be used with D-C-Trate at 2L/100L (2% vol/vol) of final spray volume. Some increased temporary crop yellowing may occur when Genfarm Sulfosulfuron 750WG is mixed with Genfarm Diflu-MCPA.

Incompatible: The following herbicides and insecticides are **incompatible** with Genfarm Sulfosulfuron 750WG – tralkoxydim, dicamba, diclofop methyl, terbutryn, dimethoate, omethoate.

Crop Safety

DO NOT use on winter cereals undersown with legume pasture crops, eg medics, clover, Lucerne. DO NOT use on barley and oats. Genfarm Sulfosulfuron 750WG is effective on a range of plants even at low rates of application. Since many rotational crops are sensitive, growers will need to consider soil carry-over effects on subsequent crops. Below average rainfall, high levels of applied Genfarm Sulfosulfuron 750WG (greater than the recommended rates), pH greater than 6.5 and low soil temperature and low rainfall all increase the carry-over risk. Where Genfarm Sulfosulfuron 750WG is used on soil types with pH greater than 8 (1:5 soil:water suspension method) and less than 300mm of rainfall has occurred since application, further advice should be sought from Landmark regarding crop rotation, except for wheat and triticale.

Note: Some crop yellowing or crop retardation may occur where a stress factor such as water logging, Rhizoconia, take all, cereal cyst nematode, nutrient deficiency, or trace element deficiency is already present. Early season crop retardation may occur where the product is used on soils with a pH greater than 8 and which are prone to deficiency. See crop rotation guidelines for further information.

Resistant Weeds Warning

GROUP	B	HERBICIDE
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Genfarm Sulfosulfuron 750WG Herbicide is a member of the sulfonylurea group of herbicides. Genfarm Sulfosulfuron 750WG Herbicide has the inhibitor of the enzyme acetolactate synthase (ALS) mode of action. For weed resistance management, Genfarm Sulfosulfuron 750WG Herbicide is a Group B herbicide.

Some naturally occurring weed biotypes resistant to Genfarm Sulfosulfuron 750WG Herbicide and other Group B herbicides are known to exist. They can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by Genfarm Sulfosulfuron 750WG Herbicide or other Group B herbicides.

To prevent, or at least minimise the risk of resistant weeds occurring, use Genfarm Sulfosulfuron 750WG Herbicide in 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 Group B herbicide to a crop, either pre-sowing incorporated by sowing or post crop and weed emergence.

Since the occurrence of resistant weeds is difficult to detect prior to use, Landmark Operations limited accepts no liability for any losses that may result from the failure of Genfarm Sulfosulfuron 750WG Herbicide to control resistant weeds.

Advice as to strategies and alternate treatments that can be used should be obtained from your farm chemical supplier, consultant, local Department of Agriculture or Primary Industries or Landmark representative.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND EQUIPMENT

DO NOT contaminate streams, rivers or waterways with this product or the used container.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply or drain or flush equipment on or near desirable trees or other plants or on areas where their roots may extend or in locations whereby movement of soil or seepage absorption of the herbicide may occur.

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.

Dangerous to plant including aquatic plants.

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