

POISON

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

GENFARM
FLUMIOXAZIN 500 WG
HERBICIDE

ACTIVE CONSTITUENT: 500 g/kg FLUMIOXAZIN

GROUP	G	HERBICIDE
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For rapid knockdown and control of various grass and broadleaved weeds when mixed with certain glyphosate or paraquat/diquat herbicides, and for control of volunteer cotton when applied alone, prior to sowing cotton and its rotation crops, or for rapid knockdown and control of various broadleaved weeds when applied as a directed spray in cotton, as per the Directions for Use table in the attached booklet.

IMPORTANT: READ THIS BOOKLET BEFORE USE

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DIRECTIONS FOR USE

Restrains: DO NOT apply by air.

DO NOT treat weeds under poor growing or dormant conditions (such as occur in drought, waterlogging, disease, insect damage or following frosts) as reduced control may result. Weeds should be actively growing at time of treatment.

All States (except for Cotton – NSW and Qld only)

CROP / SITUATION	WEEDS CONTROLLED
PRIOR TO SOWING Barley, chick peas, cotton, faba beans, field peas, lentils, lupins, maize, mung beans, oats, sorghum, soybeans, sunflowers, and wheat	<p>Follow the Directions for Use of the glyphosate and paraquat/diquat knockdown herbicides, and the addition of Genfarm Flumioxazin 500 WG Herbicide will increase the speed of brownout and may improve final control of the following weeds:</p> <p>Bellvine (<i>Ipomoea plebeia</i>), Bladder ketmia (<i>Hibiscus trionum</i>), Caltrop, Capeweed (<i>Arctotheca calendula</i>), Cow vine (<i>Ipomoea ionchophylla</i>), Doublegee (<i>Emex australis</i>), <i>Erodium</i> spp., False castor oil (<i>Datura stromonium</i>), Liverseed grass (<i>Urochloa panicoides</i>), Marshmallow (<i>Malva parviflora</i>), <i>Medicago</i> spp., Noogoora burr (<i>Xanthium occidentale</i>), Paterson's Curse (<i>Echium plantagineum</i>), Seedling Lucerne (<i>Medicago sativa</i>), Shepherd's Purse (<i>Capsella bursa-pastoris</i>), Sowthistle (<i>Sonchus oleraceus</i>), Sunflower (<i>Helianthus annuus</i>), Red root amaranth (<i>Amaranthus retroflexus</i>), Subterranean clover* (<i>Trifolium subterraneum</i>), Volunteer canola (<i>Brassica napus</i>), Wild radish (<i>Raphanus raphanistrum</i>), Wireweed (<i>Polygonum aviculare</i>)</p> <p>If one of the above weeds is the dominant weed, and there is no specific rate for it on the glyphosate product label, consult the label's generic annual-weed rate range. Select from within this range to suit the weed-stage, weed density, conditions etc of your situation.</p> <p>* Suppression only</p>

Note: The addition of Genfarm Flumioxazin 500 WG Herbicide to glyphosate, paraquat or diquat will not help to control large weeds or weeds that have hardened up from stress or established big tap roots. Glyphosate resistant weeds may not be controlled by addition of Genfarm Flumioxazin 500 WG Herbicide. See application section for recommendations to get the best results.

RATE (g/ha)	CRITICAL COMMENTS.
30 g/ha of Genfarm Flumioxazin 500 WG Herbicide plus the label rate of tank mix partner plus an adjuvant#	<p>Observe the restraints, rates, mixing and general instructions on the knockdown herbicide product labels.</p> <p>Best results are obtained when applied to young weeds between the 2- and 6-leaf stage.</p> <p>Addition of Genfarm Flumioxazin 500 WG Herbicide to knockdown products will increase the speed at which treated weeds develop visible symptoms of phytotoxicity (compared to the results achieved with tank mix partner products alone) and may improve the final control of certain broadleaved weeds.</p> <p>To ensure uptake of Genfarm Flumioxazin 500 WG Herbicide, DO NOT sow crops for at least one hour after application. Always refer to the tank-mix partner product label in case a longer sowing interval is required.</p> <p># Always apply with Hasten Spray Adjuvant or Kwickin Spray Adjuvant at 0.5-1L/100L (use the lower rate on smaller, actively growing weeds), or Uptake Spraying Oil at 500 mL/100L.</p>

CROP / SITUATION	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE (g/ha)
PRIOR TO SOWING Cotton Maize Mung beans Sorghum Soybeans and Sunflowers	Volunteer cotton including volunteer Roundup Ready Cotton	Up to 4 leaf	45g/hg of Genfarm Flumioxazin 500 WG Herbicide plus adjuvant [#]
Cotton Lay-by application	Noogoora burr, Yellowvine (<i>T. micrococcus</i>)	Up to 6 leaf	60g/ha plus an adjuvant [#]
	Bellvine, Cowvine	Up to 12 leaf	90 g/ha plus an adjuvant [#]

STATE	CRITICAL COMMENTS
NSW & Qld only	<p>DO NOT apply post-sowing pre-emergent. DO NOT sow crops for at least one hour after application.</p> <p>Genfarm Flumioxazin 500 WG Herbicide can be tank mixed with glyphosate to control other weeds that are present. Refer to the glyphosate label for the appropriate label rate according to the weeds present.</p> <p>Always apply with Hasten Spray Adjuvant or Kwickin Spray Adjuvant at 0.5-1L/100L (use the lower rate on smaller, actively growing weeds) or Uptake Spraying Oil at 500mL/100L.</p>
	<p>Apply as a shielded spray underneath cotton foliage and to interrows to control late germinating weeds, or weeds that have escaped previous herbicide operations. Vines that have commenced climbing may not be controlled.</p> <p>Caution: Genfarm Flumioxazin 500 WG Herbicide will defoliate any cotton foliage that is contacted by the spray. Shielded sprayers must be operated to ensure that the spray does not make contact with the cotton foliage.</p> <p>DO NOT apply in conditions conducive to drift.</p> <p>DO NOT apply until cotton plants are 40cm tall.</p> <p>DO NOT allow contact with green bark on stems or trunks.</p> <p>[#] Always apply with Hasten Spray Adjuvant or Kwickin Spray Adjuvant at 0.5-1L/100L (use the lower rate on smaller, actively growing weeds), or Uptake Spraying Oil at 500mL/100L.</p>

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

WITHHOLDING PERIOD:

PRE-PLANT KNOCKDOWN, CEREAL GRAINS (WHEAT, BARLEY, OATS, MAIZE AND SORGHUM), PULSES (LUPINS, CHICKPEAS, FABA BEANS, FIELD PEAS, LENTILS AND MUNG BEANS), OILSEEDS (SOYBEANS AND SUNFLOWERS) AND COTTON:

GRAZING: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER APPLICATION.

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

MIXING

Genfarm Flumioxazin 500 WG Herbicide is a water dispersible granule formulation and is contained within a water soluble bag. The water soluble bags dissolve readily in water.

DO NOT handle water soluble bags or expose to moisture because this may cause breakages. DO NOT touch bags with wet hands or place on wet surfaces. DO NOT damage foil Sachets that contain the water soluble bags. Protect unused Sachets by keeping them in the original container. Open Sachets only as needed.

To ensure even mixing, half-fill the spray tank with clean water. Tear open the necessary number of sachets and drop the water soluble bags contained in them into the spray tank without touching the bags. Keep the agitation system engaged. Mix thoroughly until fully dissolved. Add the knockdown herbicide and remaining water. Mix thoroughly. Add spray additive near the end of the filling process to minimize foaming. Always maintain adequate agitation during application and use the tank mix promptly.

APPLICATION

Apply in a minimum of 80L spray solution per hectare.

Refer to the Directions for Use and General instructions of the knockdown herbicide label.

As Genfarm Flumioxazin 500 WG Herbicide is a contact herbicide, coverage is important. Performance of Genfarm Flumioxazin 500 WG Herbicide as a knockdown or with a partner on weeds or on volunteer cotton may be reduced with large droplets and poor coverage. Air induction nozzles that deliver coarse droplets at high traveling speeds, low pressure and low water rates may reduce coverage and herbicide performance. Air induction nozzles can produce variable results when used with oil. Best results with Genfarm Flumioxazin 500 WG Herbicide are achieved with medium droplets produced by wide-angle flat fan or twin jet nozzles. If the partner herbicide requires coarse droplets, then ensure high water volumes >80 L/ha are used.

SPRAYER CLEANUP

When cleaning spraying equipment, wear cotton overalls buttoned to the neck and wrist and elbow-length chemical resistant gloves. After Genfarm Flumioxazin 500 WG Herbicide is applied the following steps must be taken to clean the spray equipment.

- Completely drain the spray tank, rinse the sprayer thoroughly, including the inside and outside of the tank and all in-line screens.
- Fill the spray tank with clean water and flush all hoses, booms, screens and nozzles.

- Add 1 litre of 3% household ammonia or similar alkaline based tank cleaner for every 100 litres of water, circulate through sprayer for five minutes, then flush all hoses, booms, screens and nozzles for a minimum of fifteen minutes.
- Drain tank completely.
- Add enough clean water to the spray tank to allow all hoses, booms, screens and nozzles to be flushed for two minutes.
- Remove all nozzles and screens and rinse them in clean water.

Equipment with Genfarm Flumioxazin 500 WG Herbicide residue remaining in the system may result in crop injury to the subsequently treated crop

COMPATIBILITY

Genfarm Flumioxazin 500 WG Herbicide is compatible with:

Glyphosate Herbicide, Diquat/Paraquat 250, Paraquat 250 Herbicide, 2,4-D Herbicide

RESISTANT WEEDS WARNING

Genfarm Flumioxazin 500 WG Herbicide is a member of the N-phenylphthalimides group of herbicides. The mode of action of Genfarm Flumioxazin 500 WG Herbicide is to inhibit protoporphyrinogen oxidase. For weed resistance management, Genfarm Flumioxazin 500 WG Herbicide is a Group G Herbicide.

GROUP	G	HERBICIDE
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Some naturally-occurring weed biotypes resistant to Genfarm Flumioxazin 500 WG Herbicide and other Group G 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 Genfarm Flumioxazin 500 WG Herbicide or other Group G Herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Nutrien Ag Solutions Limited, accepts no liability for any losses that may result from the failure of Genfarm Flumioxazin 500 WG Herbicide to control resistant weeds.

Strategies to minimize the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant or local Department of Agriculture.

RE-ENTRY

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.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply Genfarm Flumioxazin 500 WG Herbicide under weather conditions (e.g. wind) or from spray equipment that may cause spray to drift onto nearby susceptible crops/plants, cropping lands or pastures.

A 15 metre buffer must be observed between sprayed areas and any downwind adjacent vegetation.

Care should be taken to avoid damage to adjoining native grasses or grass crops. Genfarm Flumioxazin 500 WG Herbicide should not be applied through misting equipment or any other method likely to cause excessive drift.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

DO NOT apply Genfarm Flumioxazin 500 WG Herbicide if wind is likely to cause drift onto natural and impounded lakes, waterways, streams or rivers.

A 15 meter buffer must be observed between sprayed areas and downwind natural and impounded lakes, dams, waterways, streams or rivers.

STORAGE AND DISPOSAL

Store in a locked room or place away from children, animals, food, feed stuffs and fertilizers. Store in the closed, original container in a dry, cool well-ventilated area out of direct sunlight. DO NOT store in or expose product to wet conditions. Rough handling of product may cause breakage of water soluble bags, especially at low temperatures.

DO NOT dispose of undiluted chemicals on-site. Break, crush or puncture sachets and containers 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.

SMALL SPILL MANAGEMENT

Sweep up material and contain in a refuse vessel for disposal in the same manner as for containers (see Storage and Disposal).

SAFETY DIRECTIONS

Poisonous if absorbed by skin contact or swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Open sachets only as needed. When opening the container, preparing spray and using the prepared spray, wear cotton overalls over normal clothing, buttoned to the neck and wrist and a washable hat and elbow-length chemical resistant gloves and face shield. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and face shield and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.

FIRST AID WARNINGS

WARNING: CONTAINS FLUMIOXAZIN WHICH CAUSES BIRTH DEFECTS IN LABORATORY ANIMALS. WOMEN OF CHILD BEARING AGE SHOULD AVOID CONTACT WITH FLUMIOXAZIN.

SAFETY DATA SHEET

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

CONDITIONS OF SALE

The use of this product is beyond the control of Nutrien Ag Solutions Limited. Any provisions or rights under the Australian Consumer Law which cannot be excluded by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies expressed or implied under common law, statute or otherwise, in relation to the sale, supply, storage, use or application of this product are excluded. Nutrien Ag Solutions Limited does not accept any liability (including consequential loss and/or negligence) for any loss or damage connected with the sale, supply, storage, use or application of this product except for liability which cannot be excluded by statute.



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