

POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

GENFARM
FLUZOLE
SEED TREATMENT

ACTIVE CONSTITUENT: 167 g/L FLUQUINCONAZOLE

GROUP	3	FUNGICIDE
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For the control of a range of foliar and head diseases in wheat and barley, plus the suppression of Take-all and Septoria tritici blotch in wheat and Blackleg in canola.

IMPORTANT: READ THIS BOOKLET BEFORE USE

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DIRECTIONS FOR USE

Restraints:

DO NOT apply to damaged, shot or pinched seed.

DO NOT apply treated seed from aircraft.

CROP	DISEASE	APPLICATION RATE/TONNE SEED	CRITICAL COMMENTS
Wheat	Take-all (Suppression) (<i>Gaeumannomyces graminis</i>)	<u>Undiluted</u> 4.5 L <u>Diluted</u> 4.5 L plus up to 1.5 L of water	Ensure even coverage of seed. Apply with an applicator designed for liquid seed treatments. Calibrate application equipment for the flow rate of the grain. Genfarm Fluzole may be diluted with water prior to application to improve coverage. If applying dilute, or in mixtures the maximum recommended application volume 6 L per tonne of seed. * Stripe rust will be controlled for up to 6 weeks after sowing, with good suppression thereafter at the 4.5 L/tonne seed rate. Use of Genfarm Fluzole at the 3.0 L/tonne seed rate will provide up to 5 weeks control after sowing and good suppression thereafter. ** Leaf rust will be controlled for up to 4 weeks after sowing, with good suppression thereafter at the 4.5 L/tonne seed rate. Use of Genfarm Fluzole at the 3.0 L/tonne seed rate will provide up to 3 weeks control after sowing and good suppression.
	Common bunt (<i>Tilletia</i> spp.), Seed- and soil-borne flag smut (<i>Urocystis agropyri</i>), Loose smut (<i>Ustilago tritici</i>), Stripe rust* (<i>Puccinia striiformis</i> f. sp. <i>Tritici</i>), Leaf rust ** (<i>Puccinia triticina</i>), Septoria tritici blotch (Suppression) (<i>Mycosphaerella graminicola</i>)	<u>Undiluted</u> 3.0 or 4.5 L <u>Diluted</u> 3.0 L plus up to 3.0 L of water Or 4.5 L plus up to 1.5 L of water	

CROP	DISEASE	APPLICATION RATE/TONNE SEED	CRITICAL COMMENTS
Barley	Barley leaf scald [^] (<i>Rhynchosporium secalis</i>), Powdery mildew# (<i>Blumeria graminis</i> f. sp. <i>Hordei</i>), Barley loose smut (<i>Ustilago nuda</i> var. <i>hordei</i>)	<u>Undiluted</u> 3.0 L plus 1.0 L Genfarm Tebu T <u>Diluted</u> 3.0 L plus 1.0 L Genfarm Tebu T plus up to 2.0 L of water	Ensure even coverage of seed. Apply with an applicator designed for liquid seed treatments. Calibrate application equipment for the flow rate of the grain. Genfarm Fluzole may be diluted with water prior to application to improve coverage. If applying dilute, or in mixtures the maximum recommended application volume is 6 L per tonne of seed. [^] Barley leaf scald is controlled for up to 6 weeks after sowing, with good suppression thereafter. [#] Powdery mildew is controlled for up to 5 weeks after sowing, with good suppression thereafter.
Canola	Blackleg (Suppression) (<i>Leptosphaeria maculans</i>)	20 L	Ensure even coverage of seed. Apply undiluted with an applicator designed for liquid seed treatments. Calibrate application equipment for the flow rate of the grain.

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

WITHHOLDING PERIODS

WHEAT AND BARLEY

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED

GRAZING: DO NOT CUT FOR STOCKFOOD WITHIN 12 WEEKS OF SOWING

DO NOT GRAZE WITHIN 6 WEEKS OF SOWING

LIVESTOCK PRODUCING MILK FOR HUMAN CONSUMPTION:

DO NOT GRAZE WITHIN 12 WEEKS OF SOWING

CANOLA

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

GRAZING: DO NOT GRAZE PLANTS GROWN FROM TREATED SEED, OR CUT FOR STOCK FOOD WITHIN 8 WEEKS OF SOWING

LIVESTOCK DESTINED FOR EXPORT MARKETS

The grazing withholding periods apply to stock slaughtered for the domestic market. Some export markets apply different standards. To meet these standards, ensure that in addition to complying with the grazing withholding period, the Export Slaughter Interval (ESI) is observed before stock are sold or slaughtered.

EXPORT SLAUGHTER INTERVAL (ESI) – 7 weeks

Livestock that have been grazing on crops grown from treated seed should be placed on clean feed for 7 weeks prior to export slaughter.

GENERAL INSTRUCTIONS

Genfarm Fluzole is a novel quinazoline-based triazole fungicide for the protection of wheat against the root disease, take-all and protection of canola against blackleg. When Genfarm Fluzole is applied as a seed treatment to wheat, the development of take-all is suppressed. Suppression of take-all with Jockey-Stayer is characterised by reduced root lesions and a reduced number of whiteheads.

Genfarm Fluzole also provides season long control of common bunt, seed- and soil-borne flag smut and loose smut in wheat. In addition Genfarm Fluzole provides early season control of leaf rust, stripe rust and suppression of septoria tritici blotch in wheat. Suppression of septoria tritici blotch with Genfarm Fluzole results in a reduction in the visible symptoms of this disease.

When applied to barley Genfarm Fluzole provides early season control of powdery mildew and scald, with good suppression of both *diseases* for an extended *period*. In order to provide adequate, control of loose smut and covered smut in barley, Genfarm Fluzole must be applied in tank mixture with a full label rate of Genfarm Tebu T Flowable Fungicide/Insecticide Seed Dressing as indicated in the 'Application Rate' section of the Directions for Use Table.

When Genfarm Fluzole is applied as a seed treatment to canola, the development of blackleg disease is suppressed. Suppression of blackleg with Genfarm Fluzole is characterised by reduced leaf infection, reduced plant lodging and increased plant survival.

Genfarm Fluzole is applied to wheat, barley and canola seed prior to sowing. The low water solubility of the active ingredient, fluquinconazole, allows extended uptake for long lasting protection of the plant, thus reducing the yield decline commonly associated with the abovementioned root, grain and foliar diseases. Genfarm Fluzole contains a red pigment so that treated grain can be easily identified.

APPLICATION

Genfarm Fluzole is applied to the seed prior to sowing. It may be applied alone or in mixture with certain other seed treatment products, depending on the crop being treated and the target diseases (see below). For treatment of wheat and barley seed Genfarm Fluzole may also be diluted with water prior to application. Application must be conducted with a seed treatment machine suitable for flowable seed dressings, with an adjustable output. The equipment must be calibrated for the flow rate of the seed, to ensure even coverage and correct application rates. For best results Genfarm Fluzole should be used to treat only undamaged, cleaned seeds of high viability.

Wheat: Genfarm Fluzole is a water based flowable product that can be applied neat or diluted with water. When applying the diluted product, prepare sufficient solution for the quantity of grain to be treated. DO NOT store diluted product. DO NOT dilute Genfarm Fluzole with water such that greater than 6 L dilute product per tonne of seed is applied.

Barley: Genfarm Fluzole must be mixed with Genfarm Tebu T prior to application. This mixture may be applied neat or diluted with water. DO NOT dilute the mixture of Genfarm Fluzole and Genfarm Tebu T with more than 2.0 litres of water for each tonne of barley seed to be treated. Prepare sufficient solution only for the quantity of grain to be treated. DO NOT store diluted product.

Canola: Apply Genfarm Fluzole neat to canola seed. DO NOT add water.

MIXING INSTRUCTIONS

Wheat and barley only

If mixing other compatible products or water with Genfarm Fluzole, mix only sufficient product for immediate use. Add the required compatible product or water to Genfarm Fluzole and agitate thoroughly by shaking, rolling or stirring.

DO NOT allow mixed product to stand for more than five hours without further agitation.

COMPATABILITY

Genfarm Fluzole Seed Treatment Fungicide may be applied with Genfarm Imidacloprid 600 Flowable Seed Dressing Insecticide.

Wheat only

Genfarm Fluzole is compatible with Vincit C, Vitatlo C (up to 1.25 L/tonne) and Genfarm Tebu T Flowable Fungicide/Insecticide Seed Treatment.

Barley only

Genfarm Fluzole is compatible with Genfarm Tebu T Flowable Fungicide/Insecticide Seed treatment and Hombre seed treatments.

Where additional protection against grain storage pests is required, Nutrien Ag Solutions Limited recommends a mixture of Genfarm Fluzole with K-Obiol or another registered grain protection insecticide. Refer to the product label for application information.

CROP SAFETY

Canola: Genfarm Fluzole may shorten the hypocotyl length of canola. To avoid possible negative effects, good canola sowing practices are recommended. Avoid sowing Genfarm Fluzole treated canola deeper than 20 mm, or into soils prone to crusting. Nutrien Ag Solutions Limited recommends that seed treated with Genfarm Fluzole be sown in the year of treatment. If this is not possible, treated seed sown in subsequent seasons should be tested for germination and vigour prior to planting to determine if it is still suitable for planting.

FUNGICIDE RESISTANCE WARNING

Genfarm Fluzole Seed Treatment is a member of the triazole group of fungicides. For fungicide resistance management Genfarm Fluzole is a

GROUP	3	FUNGICIDE
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Group 3 fungicide. Some naturally occurring individual fungi resistant to Genfarm Fluzole and other Group 3 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by Genfarm Fluzole and other Group 3 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi 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 Fluzole to control resistant fungi.

PRECAUTIONS

DO NOT use treated seed for human or animal consumption. DO NOT allow treated seed to contaminate grain or other seed intended for human or animal consumption.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Treated seed could be harmful to game and wildlife. DO NOT feed treated seed to wild or domestic birds. Any spillage of treated seed, however minor, must be cleaned up immediately, preferably recovered and used. DO NOT contaminate streams, rivers or waterways with either this product, washings of this product, treated seed, or any container which has held product (see Storage and Disposal for directions).

PROTECTION OF LIVESTOCK

DO NOT feed treated seed to livestock, including poultry.

STORAGE AND DISPOSAL

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

Refillable containers: Empty containers fully into application equipment. Close all valves and return to point of supply for refill or storage.

Treated seed and containers of treated seed

Store treated seed in clearly marked bags or silos, away from other grain, animal feed or foodstuffs, in a cool, dry storage area. DO NOT use treated seed for human or animal consumption. If disposal of treated seed is necessary e.g. when cleaning up spillages, bury seed below 500 mm in a suitably located disposal pit, as described above. DO NOT use bags that have contained treated seed for any other purpose.

SAFETY DIRECTIONS

Harmful if swallowed. May irritate the eyes. Avoid contact with the eyes. When preparing the mixture and using the prepared mixture, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length PVC gloves and goggles. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID

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

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.

No warranty is expressed or implied regarding the suitability or efficiency for any purpose for which it is used by the buyer. Nutrien Ag Solutions Limited accepts no responsibility for any consequences resulting from the use of this product. Nutrien Ag Solutions 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.



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