

DANGER

Keep out of reach of children



QuestarTM

Fungicide

INATREQTM ACTIVE

ACTIVE INGREDIENT: Contains 50 g/L fenpicoxamid formulated as an emulsifiable concentrate.

Also contains 183.5 g/L reaction mass of N,N-dimethyloctan-1-amide and N,N-dimethyldecan-1-amide, 45 g/L calcium salts of alkyl benzenesulfonic acid and 45 g/L ethoxylated fatty alcohol.

GROUP 21 FUNGICIDE

A foliar applied fungicide for the control of speckled leaf blotch (*Septoria tritici*) in wheat.

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

Dow AgroSciences (NZ) Ltd*

89 Paritutu Road, Private Bag 2017, New Plymouth 4342

www.corteva.co.nz

Telephone: 0800 803 939

* Dow AgroSciences (NZ) Ltd is a member of Corteva Agriscience group of companies.

CONTENTS: 7.5 L, 15 L

QuestarTM

INFORMATION WITHIN THIS BOX IS NOT PART OF THE LABEL

20th May 2020

HAZARD CLASSIFICATION: 3.1D, 6.1E, 6.3B, 6.4A, 6.9B, 9.1A



QUALIFICATION REQUIREMENTS

Persons mixing, loading, applying, or otherwise handling Questar™ must meet the qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017.

RECORD KEEPING

Records of use, as described in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017 and the New Zealand Standard for the Management of Agrichemicals (NZS 8409), must be kept if more than 3 L of Questar™ is applied, or discharged within 24 hours in a place where members of the public may be present or where the substance may enter air or water and leave the place.

PHYSICAL HAZARDS

Combustible liquid. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. **DO NOT** smoke while using.

HEALTH HAZARDS

Aspiration hazard. May be fatal if swallowed and enters airways.

May be harmful if swallowed.

May cause damage to organs when inhaled. May cause respiratory irritation. Avoid inhalation of product or spray mist. Use only outdoors or in a well-ventilated area.

Causes mild skin irritation and eye irritation. Avoid contact with the skin and eyes. Wear the recommended protective clothing. See the **PERSONAL PROTECTION** section of the label. **DO NOT** eat, drink or smoke while using. Remove protective clothing immediately after handling this product and wash hands and face before meals and after work.

ENVIRONMENTAL HAZARDS

Very toxic to aquatic life. **DO NOT** apply directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. See **Management of Spray Drift** section of the label.

DO NOT apply Questar™ in areas where bees are foraging or where plants are likely to be visited by pollinators (including bees).

HSNO application restrictions apply: maximum application rate of 2 L/ha, minimum application interval of 14 days and maximum of 2 applications to the same crop per season.

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HANDLING PRECAUTIONS**EQUIPMENT**

Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS 8409).

Flush equipment thoroughly with clean water after use according to the Cleaning Spray Equipment instructions below. Dispose of cleaning water according to the Disposal instructions below.

STORAGE

Store in the original container tightly closed and in a locked, dry, cool, well-ventilated area, away from foodstuffs. Keep container tightly closed. Store locked up. Storage must be generally in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS 8409).

Stores containing more than 100 L of Questar™ (or substances of the same hazard class) are subject to signage, secondary containment and emergency response plans. See the EPA Hazardous Property Controls Notice 2017, Health and Safety at Work (Hazardous Substances) Regulations 2017 and the New Zealand Standard for the Management of Agrichemicals (NZS 8409) for further information.

PERSONAL PROTECTION

When opening the container, preparing the product for use and applying the product, wear eye protection, cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Avoid contact with the skin and eyes. **DO NOT** eat, drink or smoke while using. Remove protective clothing immediately after handling the product and wash hands and face before meals and after work. Avoid inhalation of product or spray mist.

SPILLAGE

DO NOT touch or walk through spilled material. Wear the protective equipment recommended above. Stop further spillage occurring and prevent entry into waterways and drains. **Small spills/leaks:** Absorb with material such as sand, soil or sawdust. Collect spilled product and place in a sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal. Seek advice from the SDS, product label or Corteva Agriscience regarding disposal. **Large spills/leaks:** Report large spills to Corteva Agriscience Emergency Services at 0800 844 455.

DISPOSAL

Triple rinse empty containers and add rinsate to spray tank. Triple rinsed containers containing the Agrecovery logo on the label, which are free of all residues (liquid and dry) and have an intact legible label should be taken to an Agrecovery container collection site. Otherwise crush and bury in a suitably approved landfill. **DO NOT** burn empty containers.

Dispose of the product only by using according to the label, via Agrecovery (visit www.Agrecovery.co.nz or call 0800 AGRECOVERY (247 326) for information about the type and quantity of chemical acceptable for disposal), or at an approved landfill. **DO NOT** burn.

Dispose of equipment cleaning water onto ground away from edible crops.

DO NOT dispose of this product, spray mix or equipment cleaning water down drains or sewers.

FIRST AID

If exposed, or if you feel unwell, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If medical advice is needed, have the product container or label at hand. If inhaled, remove the person to fresh air and keep comfortable for breathing. If swallowed, do not induce vomiting. If splashed in the eyes, wash out immediately with water. Remove contact lenses, if present and easy to do. Continue rinsing. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

TRANSPORT

DO NOT carry on a passenger service vehicle.

SAFETY DATA SHEET

A Safety Data Sheet for Questar™ is available from Corteva Agriscience on request. Call Customer Service Toll Free on 0800 803 939.

RE-ENTRY

DO NOT allow entry into treated areas until the spray has dried. If prior entry is necessary, wear personal protective equipment as described above.

NOTICE

Important: You **must** read the warning and conditions given on this label. If they are not acceptable, or if you are in doubt as to the proper handling of this product (including its transport, storage, use and disposal) then return the unopened product to the supplier at once.

Warning: This product is subject to controls and could be hazardous if handled incorrectly. The **user is responsible** for ensuring that the handling of this product is in accordance with the law (including the *Hazardous Substances and New Organisms Act 1996* and the *Agricultural Compounds and Veterinary Medicines Act 1997*) and with the directions provided. The Registrant declines all liability (whether in contract, tort (including but not limited to negligence), or otherwise) to the maximum extent permitted by law in relation to the handling of this product in a manner which is contrary to the directions given or to any applicable Acts, Regulations or Guidelines.

Further information regarding the applicable Acts, Regulations and Guidelines for the proper handling of this product may be obtained by contacting EPA New Zealand (www.epa.govt.nz) or the Ministry for Primary Industries (MPI) (www.foodsafety.govt.nz).

This product is warranted to contain the specified active ingredients within accepted analytical tolerance when packed.

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Registered to: Dow AgroSciences (NZ) Ltd* 89 Paritutu Road Private Bag 2017 New Plymouth 4342 Telephone 0800 803 939 www.corteva.co.nz	Distributed by: NZ Agritrade Ltd 411 Blenheim Road Sockburn Christchurch 8041 Telephone 0800 333 855 www.nzagritrade.co.nz	EMERGENCY RESPONSE (All hours) Ring from anywhere in New Zealand 0800 844 455 Or Globally +64-6-751-2407	IN A TRANSPORT EMERGENCY DIAL 111 FOR POLICE OR FIRE
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Registered pursuant to the ACVM Act 1997, No P009656
See www.foodsafety.govt.nz for registration conditions

Approved pursuant to HSNO Act 1996, EPA Approval Code HSR101401
See www.epa.govt.nz for approval controls

 	Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fenpicoxamid)
	UN Number:	3082
	Class:	9
	Packing Group: HAZCHEM	III 2X



Date of Manufacture:

Batch No.

Barcode

DIRECTIONS FOR USE

It is an offence to use this product on animals.

MIXING INSTRUCTIONS

Shake the container well before use. Measure the required quantity of Questar™ using a volumetric measuring device and pour into the spray tank. Questar™ disperses rapidly once added to water under agitation.

Rinse any empty containers thoroughly and add the rinsate to the spray tank.

Agitation must be continued throughout mixing and spraying.

MIXING ORDER

Half fill the spray tank. Commence agitation. Add wettable powders, water dispersible granules, aqueous concentrates then suspension concentrates (sequentially, in that order). Agitate until thoroughly mixed. Add the required amount of Questar™. Agitate until thoroughly mixed. Add remainder of the water and finally add any surfactants required for tank mix partners.

STORAGE OF DILUTED SPRAY MIX

Use the spray mix as soon as it is prepared. **DO NOT** leave part tanks of Questar™ to stand without agitation. The spray solution **MUST** be used on the day of mixing and must **NOT** be left overnight.

APPLICATION

Questar™ can be applied using conventional ground and aerial spraying equipment. **Ensure thorough coverage.** Avoid overlaps when spraying.

Ground boom spraying: Apply Questar™ in 100 – 300 L/ha water as a medium quality spray as defined by the British Crop Protection Council (BCPC) Guideline or the American Society of Agricultural Engineers Standard (ASABE S-572).

Aerial spraying: Apply Questar™ in 50 - 100 L/ha water as a medium quality spray as defined by the British Crop Protection Council (BCPC) Guideline or the American Society of Agricultural Engineers Standard (ASABE S-572).

Management of Spray Drift:

Persons applying this substance must not cause adverse effects to any water body.

DO NOT apply when wind speeds are less than 3 km/h or more than 20 km/h as measured at the application site.

Spraying equipment must be calibrated to deliver medium or larger droplets as defined by the American Society of Agricultural and Biological Engineers ASABE Standard (S572) or the British Crop Production Council guideline.

MANDATORY DOWNWIND BUFFER ZONES

For the protection of aquatic organisms the following buffer zones **MUST BE** observed from **DOWNWIND** water bodies:

- ≥ 5 metres for ground applications
- ≥ 50 metres for aerial applications

Important: In order to select the appropriate nozzles for the required spray quality and to operate the equipment to minimize spray drift, this product must be applied in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS 8409). Avoid strong winds or inversion conditions that may result in drift from the target area. Techniques to minimise drift should be employed at all times.

ADJUVANTS

Adjuvants are not required when applying Questar™.

COMPATIBILITY

Questar™ is compatible with:

- Fungicides containing prothioconazole e.g. Proline®.
- Insecticides such as Transform™ (for aphid control).
- Herbicides such as Paradigm™, Rexade™, Starane™ Xtra, and Versatill™ PowerFlo™.

Minor, transient yellowing of some wheat varieties may occur when tank mixing. This will disappear after a week or two and yield will not be affected.

DO NOT tank mix Questar™ with grassweed herbicides containing pinoxaden (e.g. Twinax®).

Tank mixes with plant growth regulators may increase plant yellowing.

Consult Corteva Agriscience for information regarding other tank mix partners. Exercise caution when tank mixing Questar™ with other products until crop safety is understood.

CLEANING OF SPRAY EQUIPMENT

Before using Questar™:

If herbicides that may damage cereals have been used at any time prior to Questar™, ensure the spray equipment is decontaminated according to the relevant herbicide label directions prior to applying Questar™.

After using Questar™:

Always flush equipment thoroughly with clean water after use of Questar™.

Rinsing

- Empty the spray tank completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain spray unit and clean any filters in the tank, pump, lines, hoses and nozzles.
- After cleaning the spray unit as described above, quarter fill with clean water and circulate the water through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

Decontamination

Decontaminate using the following procedure:

- Quarter fill the spray tank and add a standard alkali based laundry detergent at 500 g (or mL)/100 L of water and circulate throughout the system for at least 15 minutes. If using a concentrated laundry detergent use 250 g (or mL)/100 L water. Do not use chlorine based cleaners.
- Drain the whole system. Remove filters and nozzles and clean them separately.
- Finally, flush the system with clean water and allow to drain.

Cleaning water should be discharged onto a designated disposal area, or onto unused land away from desirable plants and water sources.

RAINFASTNESS

Questar™ is rainfast when fully dry. **DO NOT** apply if rain is likely prior to spray residues fully drying on foliage.

CROP SAFETY

Transient, minor crop yellowing may be observed following application. Grain yield is not affected. Refer to the Compatibility section above.

FOLLOWING CROPS

There are no following crop restrictions.

WITHHOLDING PERIODS

It is an offence for the users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

Wheat

Do not apply after the early post flower growth stage (GS69)	
<i>Fodder or green feed</i>	Do not graze or cut for feed for 28 days after the last application.
<i>Grain and straw</i>	No WHP is required when the product is used as directed.

Where Questar™ is tank mixed with another product, observe the longest applicable withholding period.

RESISTANCE MANAGEMENT

GROUP	21	FUNGICIDE
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Questar™ contains fenpicoxamid which is a Quinone inside Inhibitor (Qil) (Group 21) fungicide. Fenpicoxamid is not cross-resistant to any non-group 21 fungicide. Some naturally occurring individual fungi may become resistant when excessive use of the same fungicide occurs. As a resistance management strategy, always apply Questar™ with full label rates of a suitable tank mix partner with a different mode of action (e.g. prothioconazole). Consult <http://resistance.nzpps.org/> for alternate modes of action and the details of resistance management strategies (if any) for the crops listed on the label. Consult Corteva Agriscience for information regarding suitable tank mix partners. Always consult the label of the tank mix partner and comply with any additional restrictions that may apply. **DO NOT** apply Questar™ more than twice per crop per season.

CROPS AND DISEASES

Questar™ is a fungicide with translaminar properties, designed for application to wheat foliage for protection against speckled leaf blotch (*Septoria tritici*).

Table 1. Crop growth stage

CROP	CROP GROWTH STAGE
Wheat	Questar™ can be applied to wheat between first node (GS30) and early post flower (GS69) growth stages.

Table 2. Diseases controlled or suppressed

DISEASES CONTROLLED	RATE	CRITICAL COMMENTS
Speckled leaf blotch (Septoria)	1.5 - 2 L/ha	<p>Apply twice with a minimum application interval of 14 days.</p> <p>Apply Questar™ as a preventative spray when conditions favour speckled leaf blotch. Alternatively, apply at the first sign of disease. Apply a second application 3 - 4 weeks later if disease pressure persists or re-infection occurs. Use the higher rate when disease pressure is high.</p> <p>ALWAYS apply Questar™ with full label rates of a suitable tank mix partner (e.g. prothioconazole) for resistance management and maximum speckled leaf blotch control. Consult Corteva Agriscience for information regarding suitable tank mix partners. Always consult the label of the tank mix partner and comply with any additional restrictions that may apply.</p>
Brown (leaf) rust		<p>Suppression only. Apply Questar™ with full label rates of a suitable tank mix partner that will provide robust brown rust control and is a resistance management partner. Consult Corteva Agriscience for information regarding suitable tank mix partners. Always consult the label of the tank mix partner and comply with any additional restrictions that may apply.</p>

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