

WARNING – KEEP OUT OF REACH OF CHILDREN. **ECOTOXIC**


ravensdown

FUNGICIDE

Inspire[®]

A fungicide for the control of a wide range of diseases in wheat, barley, ryegrass seed crops, peas, onions, potatoes, maize and sweetcorn, grapes, field tomatoes and turf

ACTIVE INGREDIENT:

Contains 250g/litre azoxystrobin in the form of a suspension concentrate.



Registrant: Ravensdown Ltd

292 Main South Road
Hornby, Christchurch 8042
New Zealand
Phone: 03 353 4600

ravensdown.co.nz

BATCH:

D.O.M:

NET CONTENTS
10 Litres

ravensdown 

INSPIRE®

READ LABEL CAREFULLY BEFORE
USING SHAKE WELL BEFORE USE



PEL
H302
H332

This product must not be used for any purpose, or in any manner, contrary to the label unless authorised under appropriate legislation.

HAZARD CLASSIFICATION: 6.1D, 6.9B, 9.1B

QUALIFIED PERSON: This product must be under the control of a Qualified Person or Contractor, as per Part 4C of the Hazardous Property Controls EPA Notice.

HARMFUL - Harmful if inhaled. May cause organ damage from repeat oral exposure at high doses.

WARNING - ECOTOXIC: Toxic to aquatic organisms with long lasting effects. Avoid contamination of any water supply with chemical or empty container. Do not apply directly into or onto water.

HANDLING PRECAUTIONS

STORAGE

Keep out of reach of children. Store in accordance with NZS 8409 Management of Agrichemicals. Store in original container tightly closed in a locked, dry, cool area, well ventilated away from foodstuffs, fertilisers and seeds. Stores containing 1000L of INSPIRE are subject to secondary containment and signage. More than 1000L require emergency response plans.

TRANSPORT

Do not carry more than 10L of INSPIRE on a passenger service vehicle

PERSONAL PROTECTION

Avoid contact with skin, eyes and do not inhale spray mist. When handling, wear protective clothing such as overalls, gloves, boots and eye protection. Wash splashes of concentrate from skin and eyes immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work. Do not eat, drink or smoke while using.

EQUIPMENT

Apply using well maintained and accurately calibrated equipment. Flush equipment thoroughly with clean water after use.

DISPOSAL

Triple rinse container and add rinsate to spray tank. Triple rinsed containers containing the Agrecovery logo on the label and that are free of all residues and have an intact legible label may be taken to an Agrecovery collection site for disposal. Otherwise crush or puncture and bury in an approved landfill. Do not burn container. Do not use container for any other purpose. Dispose of product only by using according to label or dispose of safely at a managed landfill.

FIRST AID

If medical advice is needed, have product container or label at hand. If swallowed, DO NOT induce vomiting. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water. If inhaled, move the patient to fresh air. Begin artificial respiration if breathing has stopped. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor if you feel unwell.

SPILLAGE

In case of spillage, wear appropriate protective clothing and prevent material from entering waterways. Exclude non-essential people from the area. Contain liquid spills and absorb with inert material such as soil or sand etc. and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

EMERGENCY RESPONSE

In transport emergency call 111, Police or Fire Brigade. For 24hr specialist advice in an emergency only call

0800 CHEMICAL (0800 243 622).

SAFETY DATA SHEET

If additional safety information is required, refer to the Safety Data Sheet. For a copy, contact the customer centre on 0800 100 123.

SHELF LIFE

When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

RESISTANCE MANAGEMENT

INSPIRE contains a fungicide from the Qol (quinone outside inhibitors) mode of action [GROUP 11 FUNGICIDE]

Resistance to this fungicide could develop from excessive use.

To minimise this risk use strictly in accordance with label instructions and resistance management strategies that exist for any fungus listed on the label. Use a maximum of two applications of INSPIRE or any other Qol fungicide per crop per season, unless stated otherwise in the Directions for Use.

Where recommended, apply INSPIRE in a tank mixture with a suitable fungicide from a different mode of action at the label recommended rate.

WARRANTY AND LIMITATION

IMPORTANT: Read this notice before opening the container. The registrant warrants that when packed the active ingredient of this product is as specified on this label within accepted analytical tolerances. The registrant gives only those other warranties that are required by law in relation to this product and limits its liability to the cost paid by the claimant for the product. The registrant declines all liability for damage resulting from the handling, storage or use of this product. The user bears the risk from the handling, storage or use of this product. The registrant is not liable for any use of this product which is contrary to the label directions given or any Act or Regulation.

Registered pursuant to the ACVM Act 1997, No. P8573.
See www.foodsafety.govt.nz for registration conditions.
Approved pursuant to the HSN Act 1996, Code: HSR100559.
See www.epa.govt.nz for approval controls.

Agrecovery is available on plastic containers up to 60L and for plastic or steel large drums from 61L - 1000L.

PHONE **0800 100 123**

 **AGRECOVERY**
www.agrecovery.co.nz

GENERAL INFORMATION

It is an offence to use this product on animals.

INSPIRE is a broad spectrum fungicide from the strobilurin group with systemic, translaminar, protectant and anti sporulant properties. INSPIRE is best used as a preventive treatment during mid-crop development. INSPIRE also controls the late season disease complex in cereals when applied from flag leaf emergence. INSPIRE enhances green leaf area retention and will provide up to 6 weeks disease control. Applications made to crops over the flag leaf to head emergence growth stages will provide significant green leaf area retention that can contribute to yield increases. INSPIRE should not affect beneficial species including parasitic wasps, hover flies, lacewings and honeybees.

USE WARNING: INSPIRE is extremely toxic to certain apple cultivars. INSPIRE must not be used in any manner that could result in spray drift reaching apple trees. Sprayers used to apply INSPIRE cannot be used to spray apple trees nor cause drift onto apples even after normal decontamination procedures have been followed. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

APPLICATION

Use the following water rates, unless stated otherwise in the Directions for Use.

Ground Application: Use a minimum of 200L of water per hectare.

Aerial Application: Use a minimum of 50L of water per hectare.

Use higher water rates in dense or advanced crops especially under dry weather conditions. Uniform coverage is essential for best results.

Wetting agents are not normally required when using INSPIRE, except where specified in the Directions for Use.

MIXING

Shake the closed INSPIRE container well before use. Add the required quantity of INSPIRE to spray tank partly filled with water and maintain agitation through filling and spraying or restarting after a stoppage. Add any tank mix products last. Do not leave the spray mix in the sprayer overnight.

COMPATIBILITY

INSPIRE can be tank mixed with most commonly used fungicides and insecticides. Observe the use directions on the label of mixture partners before applying. Each product should be added separately to the bulk of the water in the spray tank while filling while maintaining agitation.

DIRECTIONS FOR USE

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

Crop	Disease	Rate per hectare	Critical comments
Barley	Didymella leaf scorch, leaf rust, net blotch (spot and net form), ovalaria leaf spot, scald, spot blotch	750 ml/ha	Apply as a preventive spray. If disease is present, or conditions prior to application have been favourable for disease infection the addition of an approved triazole fungicide, such as Fortify, is recommended. Re-infection may require further treatment 4-6 weeks later. Where scald infection pressure is high, it is recommended to apply INSPIRE with a fungicide from a different chemical group that is approved for use on this disease.
	Late season head disease complex (<i>Alternaria</i> , <i>Cladosporium</i> , <i>Microdochium nivale</i> , <i>Stemphylium</i>)		Apply as a preventive spray after ear emergence; Zadocks GS57-69.
Wheat	Leaf rust, powdery mildew, speckled leaf blotch, stripe rust	750 ml/ha	Apply as a preventive spray. If disease is present or conditions prior to application have been favourable for disease infection the addition of an approved triazole fungicide, such as Fortify, is recommended. Re-infection may require further treatment 4-6 weeks later. Where powdery mildew infection pressure is high, it is recommended to apply INSPIRE in a tank mix with a fungicide from a different chemical group that is approved for use on this disease.
	Didymella leaf scorch		Apply as a preventive from flag leaf emergence; Zadocks GS 39
	Glume blotch		For protection of the flag leaf, apply as a preventive spray from flag leaf emergence; Zadocks GS 39-55. For protection of the seed head apply after ear emergence; Zadocks GS 57-69.
	Late season head disease complex (<i>Alternaria</i> , <i>Cladosporium</i> , <i>Microdochium nivale</i> , <i>Stemphylium</i>)	750 ml/ha	Apply as a preventive spray after ear emergence; Zadocks GS 57-69.

DIRECTIONS FOR USE			
Crop	Disease	Rate per hectare	Critical comments
Ryegrass seed crops	Crown rust (leaf rust), Stem rust	750ml/ha	Apply as a preventive spray. If disease is present or conditions prior to application have been favourable for disease infection the addition of an approved triazole fungicide, such as Fortify, is recommended. Re-infection may require further treatment. The treatment of ryegrass seed cultivars has not shown to have any adverse effects on the endophyte levels in the harvested seed.
Peas (NOT for use on peas to be harvested in pods and consumed whole, e.g. snow peas and snap peas).	Ascochyta, downy mildew, powdery mildew	500ml/ha	Apply in a minimum of 200L of water/ ha for a crop in full canopy to ensure uniform coverage. The first application should be made as a preventive spray at the 5th node to 1st pod formation. A second application 14 to 21 days later is required if disease pressure remains high. The addition of a surfactant, such as Widespread 1000, at recommended label rates will assist spray coverage and spray distribution. Use higher spraying pressure or air assisted equipment to enhance penetration in densely foliate crops. Before applying INSPIRE, ensure the crop is free from stress caused by environmental or agronomic factors. Application to established downy mildew, ascochyta or powdery mildew will not give reliable control. NOTE: see withholding period section for the appropriate withholding period.
Onions	Downy mildew, suppression of pink rot (<i>Phoma terrestris</i>)	500ml/ha	Apply in a minimum of 400L of water/ha for a crop in full canopy to ensure uniform coverage. Apply as a preventive spray at 7 day intervals from the 2 leaf growth stage or when conditions favour disease infection but prior to disease development. Add a surfactant, such as Widespread 1000, at recommended label rates. Use higher spraying pressure or air assisted equipment to enhance penetration in densely foliated crops. Application to established downy mildew may not give reliable control. DO NOT apply more than 4 applications of INSPIRE per season.
	Neck rot (<i>Botrytis allii</i>)		INSPIRE can be applied at key timings for neck rot control ie flag leaf and pre-harvest. Apply in sufficient water to ensure thorough and uniform coverage. Applications MUST be made with the addition of a non-ionic wetting agent such as Widespread 1000 at manufacturers label rates. Use higher spraying pressure or air assisted equipment to enhance penetration in densely foliated crops. DO NOT apply more than 4 applications of INSPIRE per season.
Potatoes	Early blight Late blight*	500ml/ha	Apply in a minimum of 500L water/ha for a crop in full canopy to ensure uniform coverage. Apply as a preventive spray at 7 to 10 day intervals during periods of active growth. Intervals can be increased to 10 to 14 days later in the season as haulm growth ceases. Always use the closer intervals during periods of severe disease pressure. Use higher spraying pressure or air assisted equipment to enhance penetration in densely foliated crops. *Under climatic conditions which create severe Late Blight disease pressure, tank mix INSPIRE with 1kg/ha mancozeb (80%) or alternatively apply 1 or 2 sprays of a systemic/protectant fungicide then revert to use of INSPIRE. DO NOT use INSPIRE or a related strobilurin product for more than one-third of the total fungicide applications made to the crop in 1 season.
Potatoes "in-furrow" planting application	Black scurf, silver scurf*	10ml/100m of row	Apply at planting as an "in-furrow" spray in 50-150L of water/ha. Direct the spray into the furrow just before the tuber is covered with soil as a 15-30cm band ensuring the tuber and immediate surrounding soil is sprayed. DO NOT apply INSPIRE if conditions or seed quality favour bacterial rot as these diseases may be aggravated if seed comes into contact with additional moisture. Do not apply INSPIRE if planting in hot, sandy soils as bacterial rots may be aggravated. *suppression only.
Maize sweetcorn	Rust (<i>Puccinia sorghi</i>) northern leaf blight (<i>Setosphaeria turcica</i>)	1L/ha	Apply as a preventive spray especially before but no later than tasseling when disease infection is most likely to occur. A second application may be required 14 days later if disease pressure continues. Do not apply more than 2 applications per season.
Grapes	Powdery mildew, downy mildew, botrytis*	80ml/100L of water, and apply not less than 800ml product/ha	Apply a maximum of 3 applications of INSPIRE or a related strobilurin product to the crop in 1 season. The rates recommended are for high volume spraying. For low volume concentrate spraying, adjust dilution rates accordingly. Apply at 10 to 14 day intervals from early flowering to pre-harvest. Use the shorter spray intervals during periods of severe disease pressure. *When INSPIRE is used in a seasonal spray program it will provide control of Botrytis additional to that of specific botryticides. INSPIRE MUST NOT be used instead of specific botryticides at strategic timings.

DIRECTIONS FOR USE			
Crop	Disease	Rate per hectare	Critical Comments
Tomatoes (field)	Early blight, late blight, black mould	500ml/ha	Apply in a minimum of 500L of water/ha for a crop in full canopy to ensure uniform coverage. Apply as a preventive spray at 10 to 14 day intervals. Use higher spraying pressure or air assisted equipment to enhance penetration in densely foliated crops. DO NOT apply to field tomatoes with a surfactant or crop oil concentrate. DO NOT use INSPIRE or a related strobilurin product for more than one-third of the total fungicide applications made to the crop in 1 season.
Turf			For resistance management, the total number of INSPIRE applications must not exceed one-third of the total number of fungicide applications, up to a maximum of 4 applications. NEVER apply more than 2 sequential applications. Use fungicides with different modes of action at other times. Best results will be achieved when INSPIRE is applied as a preventive treatment or at the very earliest stages of infection. Dollar spot is not controlled and can be encouraged when INSPIRE is applied alone in periods when dollar spot is active. For control of dollar spot use an alternative fungicide such as one containing chlorothalonil.
	Anthraxnose, brown patch, fusarium patch, leaf spot/melting out, rust diseases, red thread	1-2L/ha 1-2 ml/L for spot spraying	Apply when conditions are favourable for disease
	Fairy ring fungi		Apply in 800-1600L of water/ha to achieve penetration onto the soil. The addition of a nonionic surfactant, such as Widespread 1000, at label rates will assist.
	Take all (<i>Gaeumannomyces graminis</i>)		Apply as a preventive treatment at the high rate. Begin application when conditions are favourable for disease infection prior to disease symptom development. Make 2 applications 14 to 21 days apart. Utilise management practices which encourage healthy turf and reduce turf stress.

WITHHOLDING PERIODS

Wheat, barley ryegrass seed crops - grain crops: 35 days

Wheat barley, ryegrass seed crops - greenfeed/silage: 28 days

Maize: 56 days

Sweetcorn: 14 days

Do not use on maize or sweetcorn intended for greenfeed or silage.

Grapes: 14 days

Onions: 35 days

Potatoes: 14 days

Peas - garden without pods/process without pods: 14 days

Dry seed peas and dry animal feed peas: 35 days

Tomatoes (field): 14 days

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EQUIPMENT

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DISPOSAL

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EMERGENCY RESPONSE

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SAFETY DATA SHEET

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SHELF LIFE

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RESISTANCE MANAGEMENT

INSPIRE contains a fungicide from the QoI (quinone outside inhibitors) mode of action [GROUP II FUNGICIDE]. Resistance to this fungicide could develop from excessive use. To minimise this risk use strictly in accordance with label instructions and resistance management strategies that exist for any fungus listed on the label. Use a maximum of two applications of INSPIRE or any other QoI fungicide per crop per season, unless stated otherwise in the Directions for Use. Where recommended, apply INSPIRE in a tank mixture with a suitable fungicide from a different mode of action at the label recommended rate.

WARRANTY AND LIMITATION

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