**INSURE Cereal fungicide seed treatment**

**technology sheet**

**Disease control and AgCelence™ benefits for maximized cereal production.**

- Excellent broad-spectrum protection against seed and soil-borne diseases.
- Faster and more consistent germination and seedling emergence.
- Increased seedling vigour.
- Maximized yield potential.

**Active ingredients**

| Triticonazole – Group 3 |
| Metalaxyl – Group 4 |
| Pyraclostrobin – Group 11 |

**Formulation**

Water-based suspension

**One case contains**

2, 9.8 L jugs INSURE™ Cereal

**Storage**

Protect from temperatures below 0°C and above 30°C

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**Crops**

Barley  
Oats  
Rye  
Triticale  
Wheat (all types)

**Treatment**

standard slurry, gravity flow or mist-type seed treatment

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**Diseases controlled**

**In Barley, Oats, Rye, Triticale, Wheat (all types)**

Seed rot / pre-emergence Damping-off caused by Fusarium spp., Cochliobolus sativus and Pythium spp.

Post-emergence Damping-off caused by Pythium spp.

Seedling Blight and Root Rot caused by Fusarium spp. and Pythium spp.

Seedling Blight1 and Root Rot1 caused by Cochliobolus sativus.

**In Rye, Triticale, Wheat (all types)**

Loose smut

Common bunt

**In Barley**

True loose smut

Covered smut

False loose smut

**In Oats**

Loose smut

Covered smut

1 Suppression only
Formulation properties
The advanced formulation has enhanced coating properties for better coverage and distributes active ingredients in the root zone for a protective barrier against disease.

Sustainability
INSURE™ Cereal combines 3 active ingredients, each with a unique mode of action for sustainable, broad-spectrum control of key seed and seedling diseases.

Research shows pyraclostrobin, an active ingredient in INSURE, promotes:
• faster, more consistent germination and emergence
• emergence under cold germination conditions
• better seedling survival and vitality
• increased root and shoot biomass
• increased yield potential

Application rates
One case will treat 6,600 kg of seed.

<table>
<thead>
<tr>
<th>Amount of seed treated</th>
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<tr>
<td>Volume of INSURE Cereal</td>
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<td>9.8 L jug</td>
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Directions for use
Apply using standard slurry, gravity flow or mist-type seed treatment application equipment.

When used at the recommended rate of 300 ml/100 kg of seed, no additional dyes or dilutions with water are needed unless recommended by the manufacturer of the seed treatment application equipment.

If recommended by the manufacturer of the seed treatment application equipment, increase the use rate proportionally to the dilution rate (e.g. add 100 ml of water to 300 ml of INSURE Cereal, then apply at 400 mL/100 kg seed).

Please consult the seed treatment application equipment manufacturer in question for further directions.

Application tips

Rainfastness – not applicable
Thorough seed coverage offers the best protection from seed-bourne, soil-borne, and seedling diseases.

Do not use treated seed for food, feed or oil producing.

INSURE Cereal contains sufficient pigment to conspicuously colour and coat treated seed. Regulations pertaining to the colouration of treated seed enforced under the “Seeds Act” must be strictly adhered to when using INSURE Cereal.

Pre-harvest interval
not applicable

Follow crops
no follow crop restrictions

Tank mixes
none registered

Please see respective product labels or call AgSolutions Customer Care for further information.

For more information
AgSolutions Customer Care
Call: 1-877-371-BASF (2273)
Visit: agsolutions.ca

Always read and follow label directions.

AgSolutions is a registered trade-mark of BASF Corporation; AgCelence, and INSURE, are trade-marks of BASF SE, all used with permission by BASF Canada Inc. INSURE Cereal fungicide should be used in a preventative disease control program.

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