

# Insure Cereal fungicide seed treatment technology sheet

Provides the benefits<sup>1</sup> of AgCelence<sup>®</sup> including broad-spectrum disease control and increased growth efficiency for cereals.<sup>2</sup>

- Broad-spectrum protection against seed- and soil-borne diseases, including *Fusarium graminearum* and all other species of fusarium, along with cochiolobolus, pythium, smuts and bunts
- More consistent and increased emergence, including under cold conditions<sup>2</sup>
- Increased seedling vigour, both above and below ground<sup>2</sup>
- Enhanced ability to manage exposure to minor stresses<sup>2</sup>

## Active ingredients

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

## Formulation

Water-based suspension

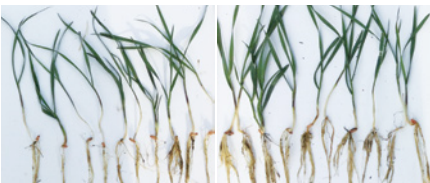
## One case contains

2 x 9.8 L jugs  
Also available in 120 L drum and 450 L tote

## Storage

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

Increased seedling vigour above and below ground, 20 days after seeding



Competitive treatment

Insure<sup>®</sup> Cereal

Source: AgSolutions<sup>®</sup> Performance Trials, Hodgeville, SK, 2015

## Crops and treatment

Standard slurry, gravity flow or mist-type seed treatment

Barley  
Oats  
Rye  
Triticale  
Wheat (all types incl. **Clearfield<sup>®</sup>** wheat)

## Diseases controlled

### In barley, oats, rye, triticale and wheat (all types incl. Clearfield wheat).

Seed rot/pre-emergence damping-off caused by *Fusarium* spp., *Cochliobolus sativus* and *Pythium* spp.  
Post-emergence damping-off, seedling blight and root rot caused by *Pythium* spp.  
Seedling blight, root rot, crown rot<sup>4</sup> and foot rot<sup>4</sup> caused by *Fusarium* spp.  
Seedling blight<sup>3</sup> and root rot<sup>3</sup> caused by *Cochliobolus sativus*

### In barley.

Covered smut	False loose smut	True loose smut
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### In oats.

Covered smut	Loose smut
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### In rye, triticale and wheat (all types incl. Clearfield wheat).

Common bunt	Loose smut
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<sup>1</sup> AgCelence benefits refer to products that contain the active ingredient pyraclostrobin.

<sup>2</sup> All comparisons are to untreated unless otherwise stated.

<sup>3</sup> Suppression only.

<sup>4</sup> Suppression, commercially supported but not on the label.

## Increased seedling vigour in wheat



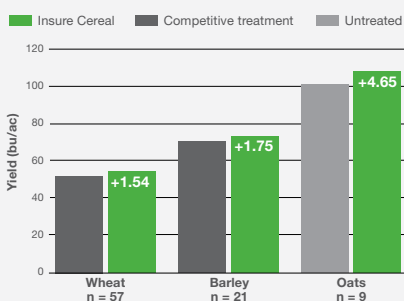
## Competitive treatment



## Insure Cereal

Source: BASF Research Authorization trials, 2012

## Increased yield potential in wheat, barley and oats



Source: BASF Research Authorization trials and AgSolutions® Performance Trials, 2011-2013

## For more information:

Call **AgSolutions** Customer Care at 1-877-371-BASF (2273)

Visit [agsolutions.ca](http://agsolutions.ca)

## Application rates

**One case of Insure Cereal will treat 6,533 kg of seed (14,386 lb), one drum treats 39,998 kg (88,180 lb), and one tote treats 149,992 kg (330,676 lb), all at 300 ml per 100 kg (220 lb) of seed.**

Crop	Bushels per case	Bushels per 120 L drum	Bushels per 450 L tote
Barley	300 bu	1,837 bu	6,888 bu
Oats	422 bu	2,584 bu	9,689 bu
Rye, triticale	256 bu	1,567 bu	5,878 bu
Wheat	240 bu	1,470 bu	5,510 bu

## 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

Thorough seed coverage offers the best protection from seed-borne, soil-borne, and seedling diseases.

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

Insure Cereal seed treatment 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.

## Tank mixes

None on label.

## Always read and follow label directions.

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