

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

Crops

Barley	Triticale
Oats	Wheat (all types)
Rye	

Treatment

standard slurry, gravity flow or mist-type seed treatment

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

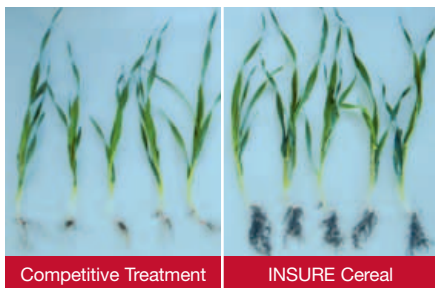
False loose smut

In Oats

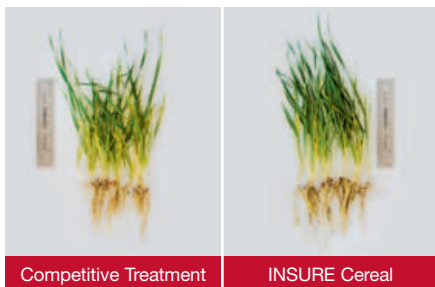
Loose smut

Covered smut

¹ Suppression only



Increased seedling vigour in barley.
Source: BASF Research Authorization trials, 2012



Increased seedling vigour in wheat.
Source: BASF Research Authorization trials, 2012

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.

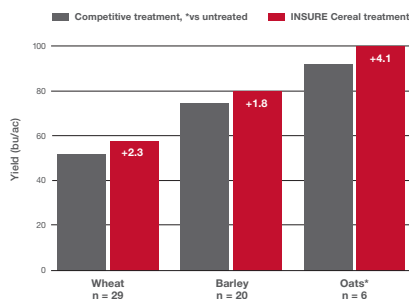
Sustainability

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



Increased yield potential in wheat, barley and oats.
source: BASF Research Authorization trials, 2011-12

For more information

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

Visit: agsolutions.ca

Application rates

One case will treat 6,600 kg of seed.

Volume of INSURE Cereal	Amount of seed treated		
	Wheat	Barley	Oats
9.8 L jug	120 bushels	150 bushels	211 bushels

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-borne, 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.

Always read and follow label directions.

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