

Insure Cereal FX4 fungicide seed treatment technology sheet

The benefits¹ of AgCelence[®] and broad-spectrum protection you expect with Insure[®] Cereal gets even stronger.

- Formulated with Xemium[®], for unique translocation and mobility characteristics
- Four modes of effective action to deliver a new standard of broad-spectrum protection against seed- and soil-borne diseases
- More consistent and continuous germination and emergence, including under cold temperatures²
- New formulation for reduced viscosity and optimized usability

Active ingredients

Triticonazole – Group 3
Metalaxyl – Group 4
Fluxapyroxad – Group 7
Pyraclostrobin – Group 11

Formulation

Water-based suspension

One case contains

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

Storage

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

Increased seedling vigour in wheat,
28 days after seeding



Competitor

Insure Cereal FX4

Source: BASF Research Authorization Trials, Camrose, AB, 2018

Crops

Barley
Canary seed³
Oats
Rye
Triticale
Wheat (all types incl. **Clearfield**[®] wheat)

Treatment

Standard slurry, gravity flow
or mist-type seed treatment

Diseases controlled

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

Seed rot/pre-emergence damping-off (all *Fusarium* spp., *Rhizoctonia solani*, *Cochliobolus sativus* and *Pythium* spp.)

Post-emergence damping-off, seedling blight and root rot (all *Fusarium* spp., *Rhizoctonia solani* and *Pythium* spp.)

Crown rot and foot rot (all *Fusarium* spp.)⁴

Seedling blight (*Cochliobolus sativus*)⁴

Root rot (*Cochliobolus sativus*)⁴

In barley.

Covered smut (*Ustilago hordei*)

False loose smut (*Ustilago nigra*)

True loose smut (*Ustilago nuda*)

In oats.

Covered smut (*Ustilago kolleni*)

Loose smut (*Ustilago avenae*)

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

Common bunt (*Tilletia tritici*, *Tilletia laevis*)

Loose smut (*Ustilago tritici*)

¹ AgCelence benefits refer to products that contain the active ingredient pyraclostrobin.

² All comparisons are to untreated, unless otherwise stated.

³ Including food use.

⁴ Suppression only.

BASF
We create chemistry

AgCelence[®]
Expect more

Insure® Cereal FX4

Xemium® Fungicide Seed Treatment

Increased seedling vigour in wheat,
34 days after seeding

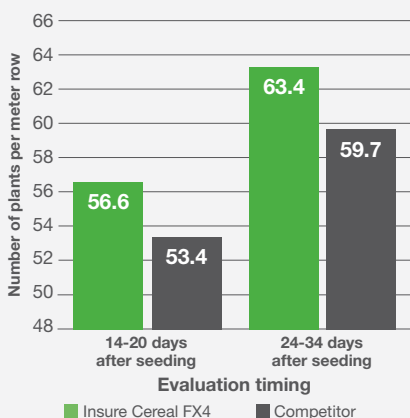


Competitor

Insure Cereal FX4

Source: BASF Research Authorization Trials, Dauphin, MB, 2018

Average plant stand count



Source: BASF Research Authorization Trials, Western Canada, 2018, n=16

For more information:

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

Visit agsolutions.ca

Application rates

One case of Insure Cereal FX4 fungicide seed treatment 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 (bu) per case	Bushels (bu) per 120 L drum	Bushels (bu) per 450 L tote
Barley	300 bu	1,837 bu	6,888 bu
Canary seed	288 bu	1,764 bu	6,614 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

Agitate thoroughly prior to 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 FX4, then apply at 400 mL/100 kg seed). BASF supports the addition of water to Insure Cereal FX4 to a maximum volume of 600 ml (300 ml additional water per 100 kg).

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 production.

Insure Cereal FX4 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 FX4.

Tank mixes

None on label.

Always read and follow label directions.

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