

# Insure® Cereal FX4

## Seed Treatment

### Strong broad-spectrum protection with Plant Health Benefits.<sup>1</sup>

- Four modes of action to deliver broad-spectrum defense against key seed- and soil-borne diseases to protect your return on investment
- Plant Health Benefits<sup>1</sup>** provide more uniform emergence, enhanced seedling vigour and better management of minor stress<sup>2</sup> to help you achieve your target plant population
- Formulated for reduced viscosity and optimized usability for enhanced ease-of-use during treating

#### 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

Requires heated storage.

Increased seedling vigour with  
Insure Cereal FX4



Raxil® PRO  
seed treatment

Insure Cereal FX4

Source: Grower Applied Strip Trials, Cut Knife, SK, 2021

#### Crops

Wheat (all types), barley, oats,  
triticale, rye, canary seed<sup>3</sup>

#### Treatment

standard slurry, gravity flow  
or mist-type seed treatment

### Diseases controlled and suppressed by Insure® Cereal FX4 seed treatment

		Wheat	Barley	Oats
<i>Fusarium spp.</i>	Seed rot	C	C	C
	Damping-off (pre- and post-emergent)	C	C	C
	Seedling blight	C	C	C
	Root rot	C	C	C
	Crown rot	S	S	S
	Foot rot	S	S	S
<i>Cochliobolus sativus</i>	Seed rot	C	C	C
	Damping-off (pre-emergent)	C	C	C
	Seedling blight	S	S	S
	Root rot	S	S	S
<i>Rhizoctonia solani</i>	Seed rot	C	C	C
	Damping-off (pre- and post-emergent)	C	C	C
	Seedling blight	C	C	C
	Root rot	C	C	C
<i>Pythium spp.</i>	Seed rot	C	C	C
	Damping-off (pre- and post-emergent)	C	C	C
	Seedling blight	C	C	C
	Root rot	C	C	C
Smuts/bunts	Loose smut ( <i>U. avenae</i> and <i>U. tritici</i> )	C		C
	Common bunt	C		
	True loose smut		C	
	Covered smut ( <i>U. hordei</i> and <i>U. kolleni</i> )		C	C
	False loose smut		C	

S - Suppression C - Control

**BASF**

We create chemistry

<sup>1</sup> Plant Health Benefits refer to products that contain the active ingredient pyraclostrobin.

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

<sup>3</sup> Including food use.

# Insure® Cereal FX4

## Seed Treatment

Performance of Insure Cereal FX4 under drought conditions

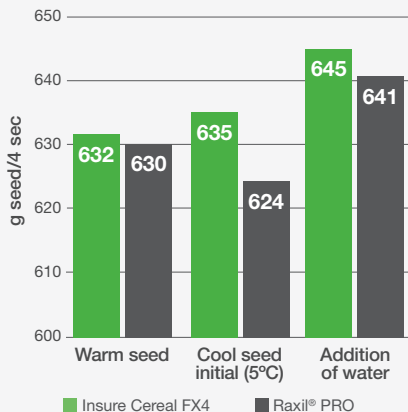


Untreated

Insure Cereal FX4

Source: BASF Greenhouse Trials, 2022

Improved flowability for enhanced ease-of-use



Source: BASF Application Trials, Seed Treatment Technology Center, Raleigh, NC, 2023

### For more information:

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

Visit **agsolutions.ca**

### Application rates

The application rate for Insure Cereal FX4 seed treatment is 300 ml per 100 kg 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 and application tips

Apply using standard slurry, gravity flow or mist-type seed treatment application equipment. Consult **agsolutions.ca** for calibration information.



#### MIX/AGITATE

Mix/agitate the product well before applying.



#### BE CAUTIOUS

Be cautious of weather and temperature of seed and seed treatment while treating. Keep seed treatment in a warm storage area and avoid treating seed that is colder than 0°C.



#### FLOW RATE

Find the right flow rate to avoid plugging. Don't start treating with the seed treater running at 100% capacity.



#### BLOCKAGE

If seed is dry, it can cause issues such as cracked hulls building up and plugging the metering roller/auger.



#### DO NOT LEAVE UNATTENDED

Do not leave your seed treater alone when it's running, as many things can quickly affect seed treating quality.



#### BE ATTENTIVE

Be attentive to factors that can cause changes to nozzle pressure, including the power source to the pump, an object blocking the filter or the hose not reaching deep enough into the product.



#### FACTORS THAT AFFECT DRYING TIMES

Be cautious of drying times and factors that can lengthen them, such as weather (air temperature, wind speed, relative humidity), seed temperature, seed moisture levels, seed type and water being added during treating.

Dilution with water is not required unless recommended by the manufacturer of the seed treatment application equipment. If desired, increase the use rate proportionally to the dilution rate:

**Ex: 100 ml water + 300 ml Insure Cereal FX4 = 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).

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

In adherence with the "Seeds Act", Insure Cereal FX4 contains sufficient pigment to conspicuously colour and coat treated seed.

### Always read and follow label directions.

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