

# Insure Cereal FX4 + Relenya seed treatment technology sheet

Combining Insure® Cereal FX4 seed treatment with Relenya® seed treatment for enhanced yield potential and broad-spectrum disease protection on wheat.

Insure Cereal FX4 delivers broad-spectrum protection against key seed- and soil-borne diseases.

- Four modes of effective action, including three active ingredients targeting fusarium
- Plant Health Benefits<sup>1</sup>** offer greater germination for improved emergence and enhanced seedling vigour, including better management of minor stress<sup>2</sup>

Relenya enhances yield potential under various levels of disease pressure.

- Designed to outperform with cutting-edge Revysol® technology that perfectly binds to pathogens
- Revysol is the first and only isopropanol-azole, a unique chemistry that provides rapid uptake in plants for quick and effective disease control
- Partners with Insure Cereal FX4 to add protection against dwarf bunt and boosts disease protection under fusarium pressure

## Insure Cereal FX4 Active ingredients

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

## Formulation

Water-based suspension

## Packaging contains

120 L drum

## Relenya Active ingredient

Mefentrifluconazole – Group 3

## Formulation

Water-based suspension

## One case contains

4 x 5 L jugs

## Storage

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

## Boosted performance with Insure Cereal FX4 + Relenya



Insure Cereal FX4



Insure Cereal FX4 + Relenya

Source: BASF Trial, Carrington, ND

## Crops

Wheat

## Treatment

Standard slurry, gravity flow or mist-type seed treatment

### Diseases controlled with Insure Cereal FX4

<i>Fusarium</i> spp.	Seed rot
	Damping-off (pre- and post-emergent)
	Seedling blight
	Root rot
<i>Cochliobolus sativus</i>	Seed rot
	Damping-off (pre-emergent)
<i>Rhizoctonia solani</i>	Seed rot
	Damping-off (pre- and post-emergent)
	Seedling blight
	Root rot
<i>Pythium</i> spp.	Seed rot
	Damping-off (pre- and post-emergent)
	Seedling blight
	Root rot
Smuts/bunts	Loose smut ( <i>U. tritici</i> )
	Common bunt

### Diseases suppressed with Insure Cereal FX4

<i>Fusarium</i> spp.	Crown rot
	Foot rot
<i>Cochliobolus sativus</i>	Seedling blight
	Root rot

### Diseases controlled with Relenya

<i>Fusarium</i> spp.	Seed rot
	Damping-off (pre- and post-emergent)
	Seedling blight
Smuts/bunts	Dwarf bunt

<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.

**BASF**  
We create chemistry

# Insure® Cereal FX4 + Relenya®

Seed Treatment                      Seed Treatment

## Application rates

The application rate for Insure Cereal FX4 seed treatment is 300 ml per 100 kg of seed.  
The application rate for Relenya seed treatment is 12.5 ml per 100 kg of seed.

**Ex. 1 x 120 L drum of Insure Cereal FX4 + 1 x 5 L jug of Relenya**

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## Directions for use and application tips

Apply using standard slurry, gravity flow or mist-type seed treatment application equipment. Consult [agsolutions.ca](https://www.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.

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

## Insure Cereal FX4

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).

## Relenya

Consult your BASF **AgSolutions**® Representative regarding slurry rates recommended for the crop seed to be treated with Relenya. The required amount of Relenya should then be diluted with the recommended amount of water that will provide uniform and complete coverage on the seed surface.

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**For more information:** Call **AgSolutions** Customer Care at 1-877-371-BASF (2273), or visit [agsolutions.ca](https://www.agsolutions.ca).

## Always read and follow label directions.

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