

## Why Should I Treat My Wheat Seed With RANCONA® PINNACLE Fungicide?

Many growers plant early to increase the chances of reaching maximum yield potential. More often than not, planting early means planting into soils that are cool and wet. Seed treatments have proven to be highly valuable tools in these conditions—improving seedling germination and emergence, resulting in better stand establishment.

RANCONA® PINNACLE Fungicide is a combination of the best in class triazole fungicide ipconazole (4.61 g/L) and metalaxyl (6.15 g/L). When applied at a rate of 325 mL/100 kg seed, RANCONA PINNACLE will help protect your seed from yield-robbing diseases like *Rhizoctonia*, *Fusarium*, *Pythium*, smuts and bunts, especially when planting into cool, wet soils.

## Tested and Proven In University Trials

### Increased Yields

TREATMENT	BARLEY <sup>1</sup> AVERAGE YIELD BUSHEL/A	WHEAT <sup>2</sup> AVERAGE YIELD BUSHEL/A	BUSHEL INCREASE OVER UNTREATED BARLEY	BUSHEL INCREASE OVER UNTREATED WHEAT
Untreated Seed	63.8	60.1	0	0
Raxil® MD	71.4	61.8	7.6	1.7
RANCONA PINNACLE	72.2	63.1	8.4	3.0

1. Tests conducted at Montana State University (N=4), University of Idaho and Agro Tech in ND (N=3). Average of 8 trials.

2. Tests conducted at Kansas State U., Montana State U. (N=3), NDSU (N=3), SDSU, Oklahoma State U., U. of Arkansas, U. of Kentucky, U. of Southern Illinois and Washington State U. Average of 13 trials.

In 2012 and 2013, 21 trials were conducted in Canada and the U.S. where seed was inoculated with different diseases.

- RANCONA PINNACLE seed treatments improved crop stands 95% of the time over an untreated check with a 25% overall average increase in crop stand across field trials.
- Yield increases over the untreated check were seen 80% of the time, with an overall average yield increase of 5.7 bu/ac with RANCONA PINNACLE treated seed.
- RANCONA PINNACLE also exceeded the average yields seen with Raxil MD treated barley and wheat.

Use RANCONA PINNACLE on your wheat seed this season to help manage the risk of seedling diseases and improve germination and stand establishment. Get your crop off to a good start and help put yourself closer to reaching maximum yield potential.

## Facts About Cool & Wet Soil Conditions:

- Cool, wet soils slow the germination and emergence of seed.
- Key fungal pathogens, such as *Rhizoctonia*, *Pythium* and *Fusarium*, have been found to be more active in cool and/or wet soils than warm, dry soils.
- The longer seed sits in the soil, the more susceptible it is to infection by disease.

	RANCONA PINNACLE	RAXIL® PRO	CRUISER® VIBRANCE® QUATTRO	VIBRANCE® QUATTRO	INSURE® CEREALS	CRUISERMAXX® VIBRANCE® CEREALS	VIBRANCE® XL
ASPERGILLUS (SEED ROT)	Green	Green	Green	Green	Red	Green	Green
PENICILLIUM (SEED ROT)	Green	Red	Green	Green	Red	Green	Green
RHIZOCTONIA (SEED ROT, DAMPING OFF, SEEDLING BLIGHT)	Green	Yellow	Green	Green	Red	Green	Green
FUSARIUM (SEED ROT, DAMPING OFF, SEEDLING BLIGHT)	Green	Green	Green	Green	Green	Green	Green
COCHLIOBOLUS (SEED ROT, DAMPING OFF, SEEDLING BLIGHT)	Green	Green	Red	Red	Green	Red	Red
PYTHIUM (SEED ROT, DAMPING OFF, SEEDLING BLIGHT)	Green	Green	Green	Green	Green	Green	Green
FUSARIUM SPP (CROWN AND FOOT ROT)	Yellow	Yellow	Yellow	Yellow	Red	Yellow	Yellow
COCHLIOBOLUS SATIVUS (COMMON ROOT ROT)	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
LOOSE SMUT / WHEAT	Green	Green	Green	Green	Green	Green	Green
LOOSE SMUT / OATS	Green	Green	Green	Green	Green	Green	Green
TRUE LOOSE SMUT / BARLEY	Green	Green	Green	Green	Green	Green	Green
FALSE LOOSE SMUT / BARLEY	Green	Green	Green	Green	Green	Green	Green
COVERED SMUT / BARLEY	Green	Green	Green	Green	Green	Green	Green
COVERED SMUT / OATS	Green	Green	Green	Green	Green	Green	Green
COMMON BUNT / WHEAT	Green	Green	Green	Green	Green	Green	Green
LEAF STRIPE / BARLEY	Green	Green	Red	Red	Red	Red	Red

■ LABELLED   
 ■ SUPPRESSION ONLY   
 ■ NOT LABELLED

## Maximum Disease Protection. Superior Technology

RANCONA PINNACLE seed treatment offers advanced disease protection against a broad spectrum of seed and seedling diseases. This advanced disease defense ultimately promotes bigger and better yield potential for your farm.

### The RANCONA PINNACLE Difference:

#### Contains best in class triazole fungicide - 4.6 g/l

- The best and broadest disease protection package available
- Both systemic and contact activity
- Very low use rate
- Excellent seed safety

#### Unique and highly efficacious formulation

- Ipconazole—triazole (FRAC group 3) + metalaxyl (FRAC group 4)
- Demonstrated higher yields in North American university trials

#### Micro-dispersion technology

- Good flowability providing excellent seed adhesion and coverage
- Uniform seed coverage for better protection
- Extremely low dust levels due to better adherence to seed
- Low treater residue

# Rancona® Pinnacle



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