GEMINI technology sheet

BASF
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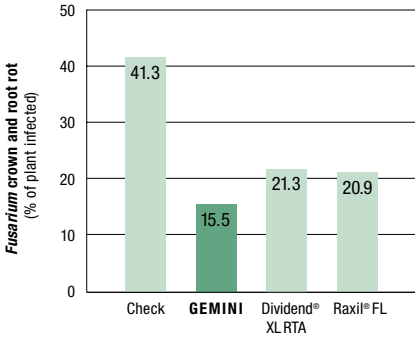
Why choosing GEMINI makes sense

The two active ingredients in GEMINI® combine to deliver the best available control of seed- and soil-borne *Fusarium*. In addition to the exceptional *Fusarium* control, GEMINI suppresses seedling blight and common root rot caused by *Cochliobolus,* and offers unequalled seed safety to ensure your crop gets off to a faster start.

How GEMINI benefits your crop

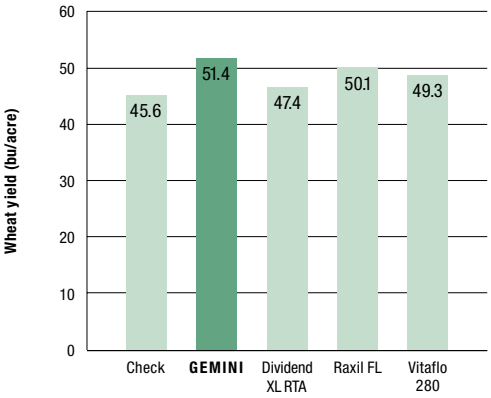
Suppression of crown and root rot. GEMINI delivers unequalled suppression of *Fusarium* crown and root rot on wheat.



Source: 2000, 2003 Aventis and AAFC wheat research trials, n=5.

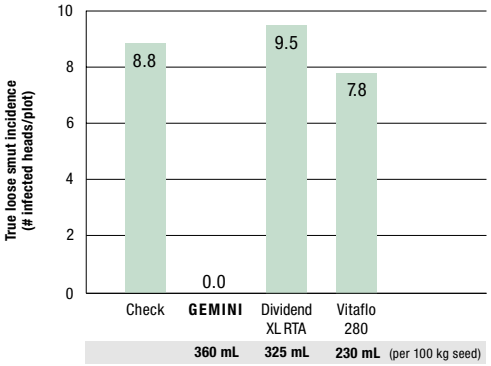
With improved primary and secondary root growth (as seen on the right), plants are more stable.

Crop yields. Treatment with GEMINI nets better returns and gives your crop a leg up on higher yields.



Source: 2000, 2003 Aventis and AAFC wheat research trials, n=5.

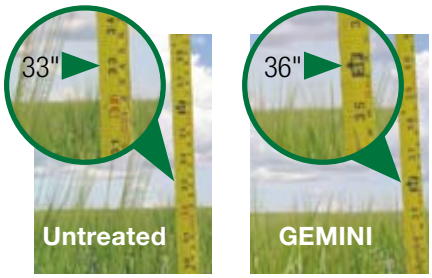
Proven excellence in the control of true loose smut on barley*



Source: 2004 BASF internal R&D trials, n=2.
*Raxil FL was not tested in this trial.

GEMINI results in taller, more uniform plant height.

Source: BASF Research Permit, Peace River, AB, 2004.



GEMINI® CEREAL SEED TREATMENT

SeedSolutions®
Tailor-made innovation – powered by BASF

BASF
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Which crops are protected

- Wheat (including durum)
- Barley (including malting and hulless)
- Oats

What diseases GEMINI fights

Crop	Diseases controlled	Diseases suppressed*
Wheat	Seed rot caused by *Fusarium* sp.	*Fusarium* crown and root rot
	Seedling blight caused by seed- and soil-borne *Fusarium* sp.	*Cochliobolus* (common) root rot
	Loose smut	Seedling blight caused by *Cochliobolus*
	Common bunt	
	Pythium damping off	
Barley	Seed rot caused by *Fusarium* sp.	*Fusarium* crown and root rot
	Seedling blight caused by seed- and soil-borne *Fusarium* sp.	*Cochliobolus* (common) root rot
	True loose smut	Seedling blight caused by *Cochliobolus*
	Covered smut	
	False loose smut	
	Pythium damping off	
Oats	Loose smut	
	Covered smut	

Disease control and suppression occurs when GEMINI is applied at 360 mL/100 kg of seed.

*Suppression is defined as suboptimal control which is still of commercial benefit (PMRA Reg. Dir. 2003-04).

Always read and follow label directions.

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How to prepare GEMINI for application

GEMINI® is available as a ready-to-use solution. There's no water or dye to add and only one application rate: 360 mL of GEMINI/100 kg of seed.

How much seed does GEMINI treat?

How 360 mL/100 kg seed translates to cereal crops:

	Bushels treated		
Container size	**Wheat***	**Barley****	**Oats*****
6 L jug	61	76	108
200 L drum	2,039	2,546	3,600

*Based on 60 lb/bu
**Based on 48 lb/bu
***Based on 34 lb/bu

GEMINI seed treatment can be applied by commercial seed treatment plants or with on-farm gravity-flow or mist-type treatment machines. It can also be used in "On the Go" air seeder treatment systems.

What else you should know

- Do not use treated seed for food, feed or oil processing.
- Any seed treated with this product must be either thoroughly stained or coated so that the presence of the treatment is conspicuous.
- 1 case contains 2 x 6 L jugs of GEMINI.
- 1 drum contains 200 L of GEMINI.

For more information about GEMINI, call **AgSolutions**® by BASF at 1-877-371-BASF (2273) or visit our website at www.agsolutions.ca

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CEREAL SEED TREATMENT

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