

GEMINI technology sheet

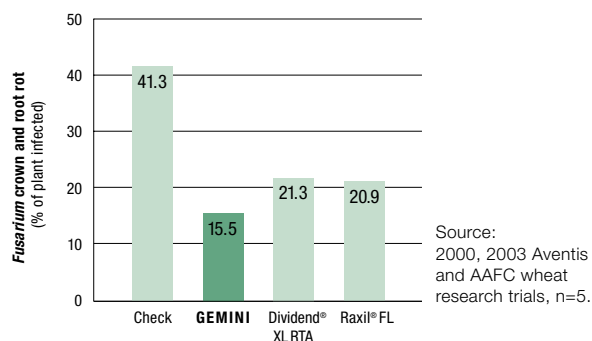
BASF
The Chemical Company

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.

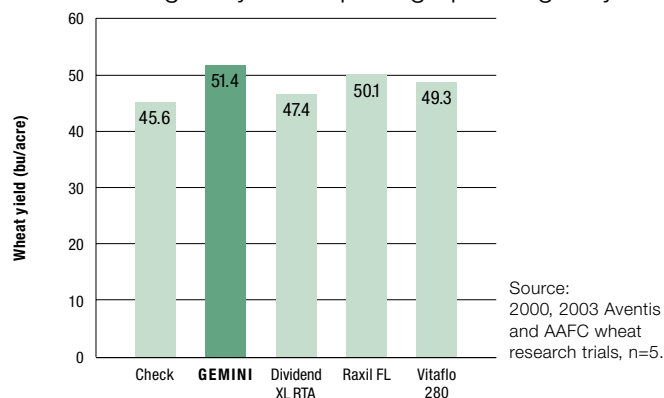
How GEMINI benefits your crop

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

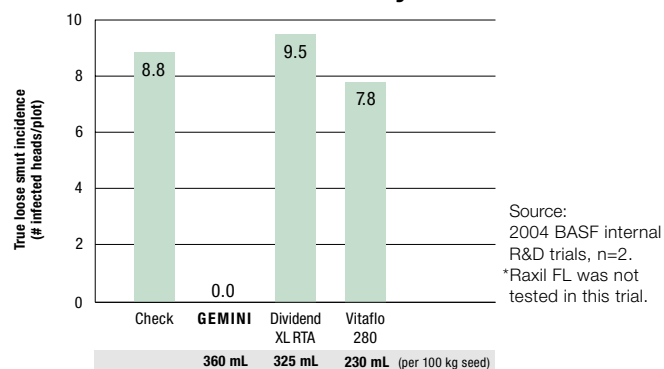


With improved primary and secondary root growth (as seen on the right), plants are more stable.

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

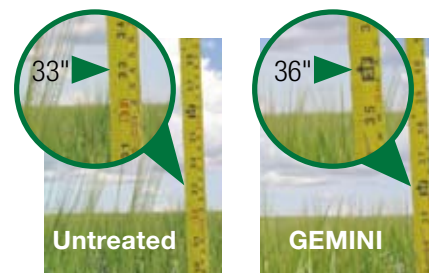


Proven excellence in the control of true loose smut on barley*



GEMINI results in taller, more uniform plant height.

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



Which crops are protected

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

What diseases GEMINI fights

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

Container size	Bushels treated		
	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