

Best-in-class protection on the broadest range of diseases.

With a convenient, pre-mixed ready to apply formulation, Vibrance® Quattro seed treatment combines four fungicides to protect cereal crops against a broad range of seed- and soil-borne diseases. Available for on-farm application as well as commercial treater.

#### Product benefits:

- Same industry-leading dwarf bunt control as Dividend XL RTA®
- Effective control of key seed-borne diseases, including *Fusarium* and *Rhizoctonia*
- The Rooting Power™ of Vibrance delivers stronger roots that take full advantage of soil nutrients and can better defend against soil diseases
- Convenience and simplicity - one use rate for all crops (mL/kg of seed)
- Flexibility – no requirement for a closed system, and available in cases, 115 L and 450 L totes

#### Registered crops:

- Winter wheat
- Spring wheat
- Barley
- Oats
- Rye
- Triticale

Active Ingredient	FRAC Group
Difenoconazole	3
Sedaxane	7
Metalaxyl-M	4
Fludioxonil	12

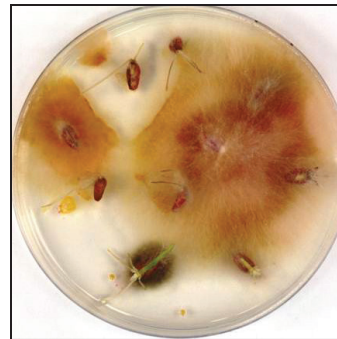
#### Control of seed-borne *Fusarium graminearum* and impact on germination



Untreated



Vibrance Quattro



Vitaflo®

Syngenta research, 2015  
Plattsville, ON

 **Vibrance® Quattro**

**syngenta®**

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## Application information

Use rates and packaging:

Crop	mL/100 kg	mL/bu	bu/L	10 L*	115 L	450 L
Wheat	325	88.4	111.3	113	1,300	5,088
Barley	325	70.8	14.1	141	1,625	6,360
Oats	325	50.1	20.0	200	2,294	8,978

\*10 L packages of Vibrance Quattro are available in 2 x 10 L cases.

### Application guidelines:

- Depending on seed size, Vibrance Quattro may be applied as a ready-to-apply application or water may be added to form slurry for more uniform coverage.
- Follow the manufacturer's application instructions for the seed treatment equipment being used.
- Allow the seed to dry before bagging or storing into bulk containers.
- Depending on planting equipment, seed treated with Vibrance Quattro may not flow through planting equipment at the same rate as untreated seed. Recalibrate this equipment before planting treated seed.

### Diseases controlled:

	Seed rots <sup>1</sup>	Seedling blight, root rot, and damping-off <sup>2</sup>	Seedling blight, root rot, and damping-off (soil-borne <i>Pythium</i> spp.)	Common bunt <sup>3</sup> ( <i>Tilletia tritici</i> )	Dwarf bunt <sup>3</sup> ( <i>Tilletia controversa</i> )	Covered smut ( <i>Ustilago hordei</i> )	Loose smut ( <i>Ustilago tritici</i> )	Loose smut ( <i>Ustilago avenae</i> )	False loose smut ( <i>Ustilago nigra</i> )	True loose smut ( <i>Ustilago nuda</i> )	Common root rot ( <i>Cochliobolus sativus</i> )	Fusarium crown and foot rot ( <i>Fusarium</i> spp.)	Take-all ( <i>Gaeumannomyces graminis</i> )
Winter wheat	x	x	x	x	x		x				x <sup>4</sup>	x <sup>4</sup>	x <sup>4</sup>
Spring wheat	x	x	x	x			x				x <sup>4</sup>	x <sup>4</sup>	x <sup>4</sup>
Barley	x	x	x			x			x	x	x <sup>4</sup>	x <sup>4</sup>	x <sup>4</sup>
Oats	x	x	x			x		x			x <sup>4</sup>		
Rye	x	x	x	x	x						x <sup>4</sup>	x <sup>4</sup>	x <sup>4</sup>
Triticale	x	x	x				x				x <sup>4</sup>	x <sup>4</sup>	x <sup>4</sup>

1 Seed rots caused by *Fusarium*, *Pythium*, *Rhizoctonia*, *Penicillium* and *Aspergillus* spp.

2 Seedling blight, root rot, and damping-off caused by seed- and soil-borne *Fusarium* spp. or *Rhizoctonia* spp.

3 Controls both seed and soil-borne bunts.

4 Suppression (consistent control at a level that is not optimal, but still provides commercial benefit).

For more information, visit [SyngentaFarm.ca](http://SyngentaFarm.ca) or call our Customer Resource Centre at 1-87-SYNGENTA (1-877-964-3682).