

# JumpStart® Wettable Powder Inoculant

## Increase phosphate availability to support early vigor in wheat

JumpStart® Wettable Powder Inoculant contains the naturally occurring soil fungus *Penicillium bilaiae*. It grows along plant roots releasing nutrients like phosphate bound in the soil, making them more available for the crop to use. *Penicillium bilaiae* does not replace the need for phosphate fertilizer, but does provide crops access to more nutrients for higher yield potential.

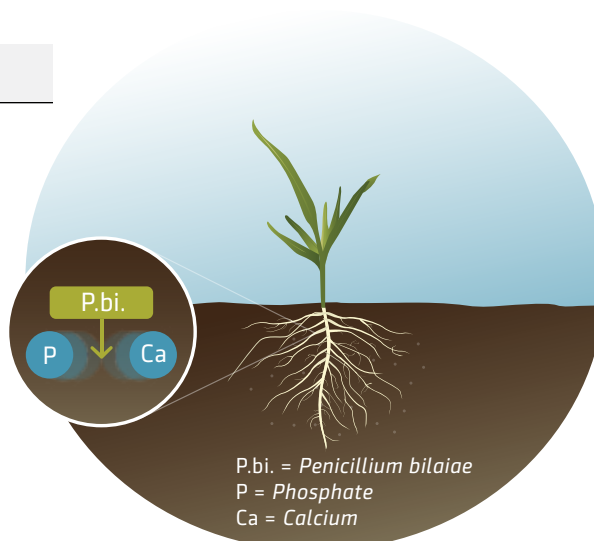
### BENEFITS OF USING JUMPSTART WETTABLE POWDER INOCULANT

Improves phosphate availability which:

- Enhances early vigor
- Bolsters root and shoot growth, supporting greater stress tolerance and earlier, more uniform plant development
- Improves yield potential
- Improved plant nutrition enables plants to better handle environmental pressures
- Better potential for winter wheat survival through enhanced root systems
- Active in cool soil temperatures when phosphate is less available, which can help get the crop off to an early start

### HOW THE TECHNOLOGY WORKS

1. Freeing Phosphate
2. *Penicillium bilaiae* releases bound mineral forms of soil and fertilizer phosphate, making it more available for the plant to use.





## PRODUCT DETAILS

Packaging may vary.



### JumpStart® Wettable Powder Inoculant

Active Ingredients	Packaging	Application Rate	Case Treats
720 million (7.2 x 10 <sup>8</sup> ) cfu/g <i>Penicillium bilaiae</i>	4 x 40 bu (2.0 oz/57 g)	See below	160 bu = 9,600 lbs of seed

Always read and follow label directions



### On-Seed Application Rates and Bare Seed Planting Windows



#### for JumpStart® Wettable Powder Inoculant

40 bu (57 g/2.0 oz)

Crop	Seed Inoculated by 57 g/2.0 oz	Approximate Water Volume	Planting Window (Bare Seed)
Wheat	40 bu = 2,400 lbs (1,090 kg)	7.6 quarts (7.2 liters)	30 days

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**Performance may vary** from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

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