

Novozymes 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

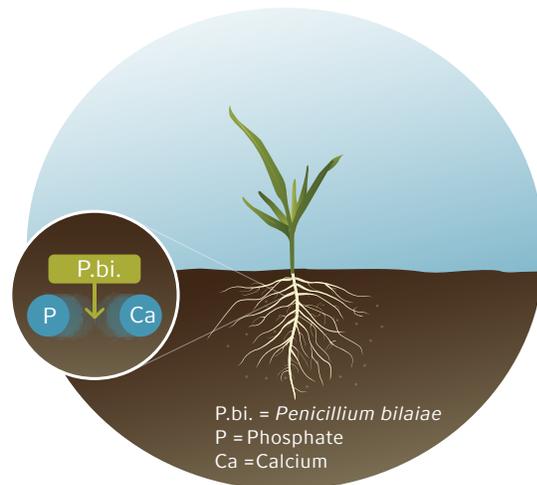
Improves phosphate availability which:

- 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

Freeing Phosphate

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 ⁸) cfu/g <i>Penicillium bilaiae</i>	4 x 40 bu (2.0 oz)	See below	160 bu = 9,600 lbs of seed

On-Seed Application Rates and Bare Seed Planting Windows

40 bu (2.0 oz)

Crop	Seed inoculated by 2.0 oz	Approximate water volume	Planting window (bare seed)
Wheat	40 bu = 2,400 lbs	7.6 quarts	30 days

To learn more visit us at novozymes.com/bioag or call your local retailer.

About Novozymes

Novozymes is the world leader in biological solutions. Together with customers, partners and the global community, we improve industrial performance while preserving the planet's resources and helping build better lives. As the world's largest provider of enzyme and microbial technologies, our bioinnovation enables higher agricultural yields, low-temperature washing, energy-efficient production, renewable fuel and many other benefits that we rely on today and in the future. We call it Rethink Tomorrow.

Novozymes North America Inc.

108 TW Alexander Drive
Bldg 1A, PO Box 110124
Durham NC 27709
United States

Tel. +1 919 494 3000