

Backgrounder: Advanced Seed Enhancements

Start your crop off right with BASF Advanced Seed Enhancements

In order to help growers maximize yield potential and get the most out of every acre, BASF offers its complete portfolio of Advanced Seed Enhancements including inoculants, colorants, and biological and chemical seed treatments. The BASF Advanced Seed Enhancements portfolio is the result of extensive research in the laboratory and field.

Inoculants

Benefits

- A technologically advanced carrier for *rhizobia* with a low dust formulation that is highly resistant to crumbling
- High adhesion levels result in effective seed coverage
- High counts of active, nitrogen-fixing *rhizobia* are delivered on each seed to help ensure root nodulation—regardless of past or current soil conditions

Nodulator® Inoculants

Multiyear data shows **Nodulator®** inoculants produce superior performance in growers' fields and university test plots, making them the No.1 choice on U.S. pea and lentil acres.

Key Crops:

- Lentils, peas



Vault® HP plus Integral® Inoculant

Vault® HP plus **Integral®** is a multi-component, yield-boosting, seed treatment system for soybeans. Exclusive **BioStacked®** technology enables **Vault® HP** inoculant to combine multiple components into one effective, ultra-low application rate seed treatment for the delivery of high-performance yield potential.

At \$14 per bushel, soybean seeds treated with **Vault® HP** inoculant plus **Integral®** biofungicide returned an extra \$56 per acre income (estimated 4.0 bu/A over non-inoculated soybeans on average across 2010 and 2011 independent field trials).

Key Crops:

- Soybeans

Vault® Liquid plus Integral® Inoculants for Peanuts

Applied in-furrow at planting, **Vault® Liquid** peanut inoculant with **BioStacked®** technology delivers a robust rhizobial inoculant plus **Integral®** biofungicide for enhanced root vigor, nutrient uptake and suppression of *Rhizoctonia* and Fusarium root rot.

Vault® Liquid peanut inoculant plus **Integral®** biofungicide added an average of 1,200 pounds more yield per acre compared to non-inoculated peanut acres and 420 pounds more per acre than another biofungicide product in three years of yield trials at Sunbelt AG Expo.

Key Crops:

- Peanuts





Plantability Polymer

Benefits

- Keep seed treatments where they belong
- Improve plantability of high-value genetics
- Convenient handling and application

Flo Rite® Plantability Polymer

In order to be effective, products that are applied to seed need to stay on the seed. Fast-drying **Flo Rite®** plantability polymers deliver uniform coverage to help lock down fungicides, insecticides, inoculants and other seed treatment products on the seed.

Application of a **Flo Rite®** plantability polymer helps:

- Keep treatments on the seed
- Increase seed flow through treating equipment, with less stickiness and bridging
- Improve seed plantability, with fewer skips and doubles

Key Crops:

- Barley, oats, rye, wheat

Seed Treatments

Benefits

- **Stamina®** fungicide increases emergence and plant stands by controlling or suppressing disease
- Healthier, stronger plants right out of the ground

Stamina® Seed Treatment

Stamina® seed treatments provide growers a convenient way to protect their valuable seed investments by giving seeds vital protection against the elements and disease. Using **Stamina®** fungicide also results in faster and increased emergence of seedlings under cold conditions.

Key Crops:

- Alfalfa, barley, corn, oats, rye, sorghum, sugar beets, sunflower, wheat

Stamina® F3 Cereals Fungicide

Stamina® F3 Cereals fungicide seed treatment contains **F500®** fungicide, the active ingredient in **Headline®** fungicide. Seed treatment applications with **Stamina® F3 Cereals** have more rapid and increased emergence of seedlings under certain cold conditions.

Key Crops:

- Barley, oats, rye, wheat



Visit www.agproducts.basf.us/ for more information.

Always read and follow label directions.

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