

## Healthier Grass & Higher Grass Seed Yields

### PRODUCT OVERVIEW

ProAct<sup>®</sup> is a Plant Health Promoter based on Harp-N-Tek<sup>®</sup>, a proprietary harpin protein technology. When ProAct is applied to grass seed the harpin protein active ingredient binds to harpin receptors on the plant. These receptors respond to harpin as if it were a pathogen, and this reaction initiates an “inside-out plant response” that turns on a plant’s own intrinsic growth and stress-defense capabilities.

#### Plant Health Effects

ProAct has well-documented reputation for improving overall plant health. These benefits include improved root growth, disease suppression, and increasing plants’ stress tolerance and photosynthetic activity.

#### Disease Suppression

While ProAct should not be used alone as a disease control product, it can greatly improve plant resistance to disease, and/or it can be used to compliment an existing disease control program. The plant response typically leads to a thickening of cuticle walls and increased levels of disease fighting properties within the plant. ProAct has demonstrated suppression of Rust White Mold, and Rhizoctonia, as well as bacterial diseases.

#### Nematode Suppression

ProAct also offers a different mode of action for nem-

atode suppression, interfering with the nematode lifecycle and reducing nematode eggs and juvenile populations as much as 60%.

#### Season Long Response

In monocot plants the plant health response is a season long response until the plant goes into a dormancy cycle or is harvested.

### ProAct™ PERFORMANCE EXPECTATIONS

#### YIELD INCREASE:

When ProAct is applied in the flag leaf stage, the plant responds by accelerating growth resulting in increased seed cell division and development of seed cells resulting in improved seed fill

ProAct Applied during the early vegetative stage increases root growth by as much as 20% and accelerates plant growth. Resulting in a healthier plant better able to resist drought stress and increased yield potential

#### USE RATE AND TIMING

- \* **Early Season:** Apply 1/2 - 1 oz per acre typically from 2-3 leaf up through tillering
- \* **Flag Leaf:** Apply 1/2 -1 oz per acre around flag leaf emergence

#### OTHER USEFUL INFORMATION

- ◆ **CROP SAFETY:** ProAct has not been found to cause crop injury.
- ◆ **RAINFASTNESS:** ProAct is rain fast after 30 minutes or when spray residues dry.
- ◆ **REGULATORY:** Excellent safety profile, easy to use, and not a restricted use material; REI is 4 hours; PHI is 0 days. Exempt from food tolerance

Always read and follow label instructions  
before using this product.

