

ProAct™ Plant Health Regulator

- A new, unique type of crop production product.
- **Plant Health Regulator.**
- Works from the inside-out with Harpin Proteins.
- Triggers soybean Growth and Stress Defense genes.
- Use rate of 1 oz per acre applied with planned post-emerge treatments.
- Results in increased yield.



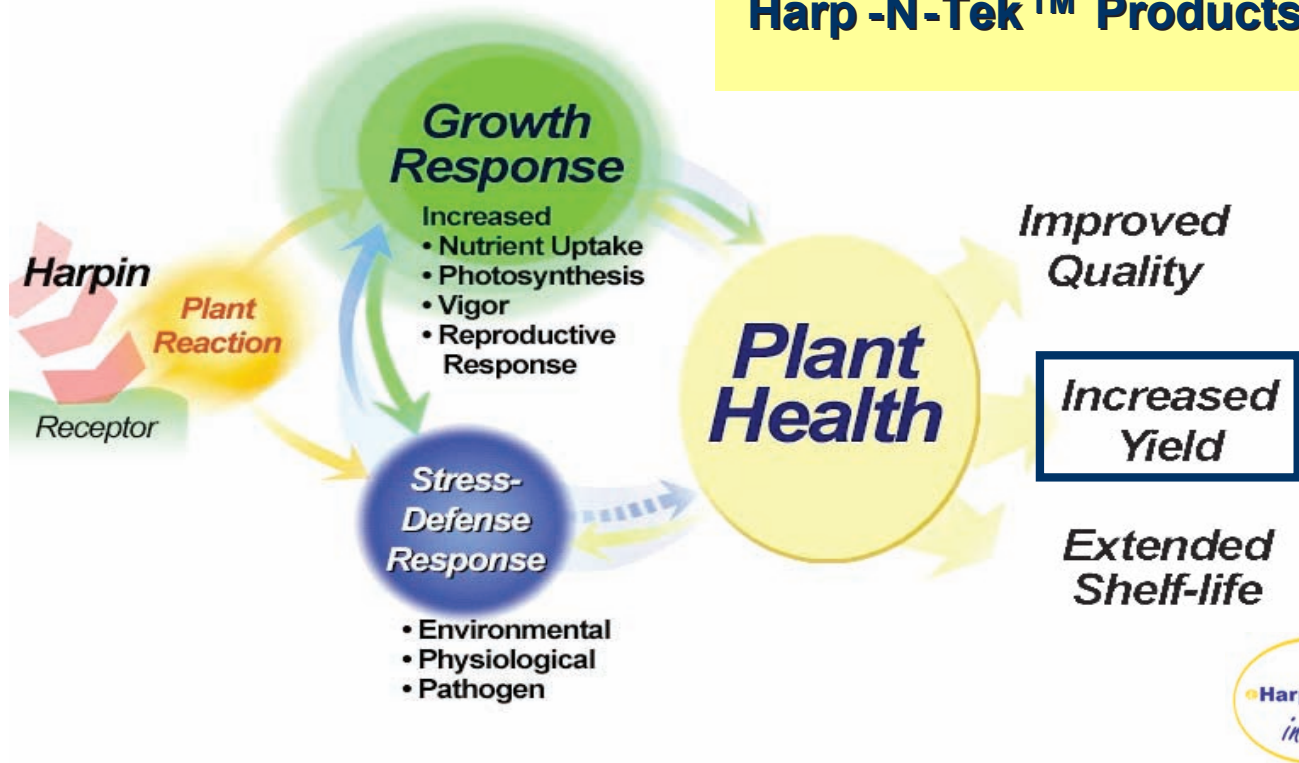
ProAct IS a Plant Health Regulator (PHR)

A protein that activates (or turns on) a plant's growth and defense genes resulting in improved plant growth, increased yield and quality, and greater shelf-life.

ProAct is NOT a Plant Growth Regulator (PGR)

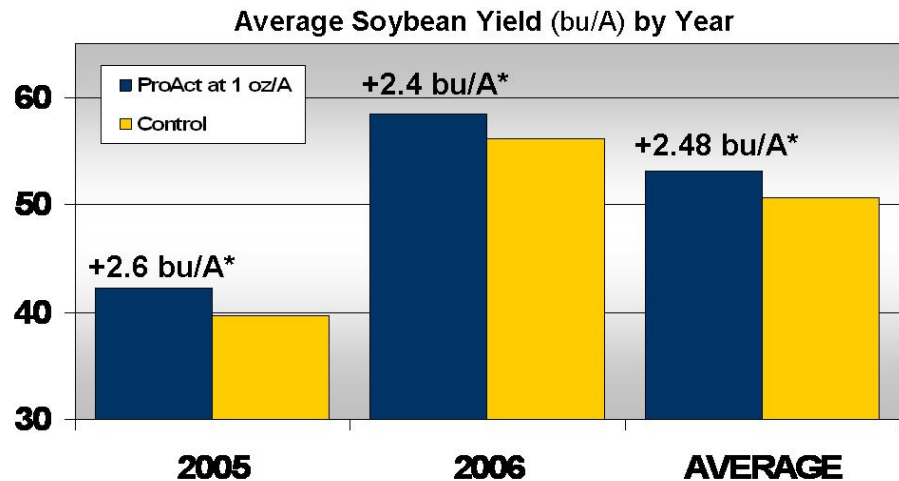
A chemical or hormone applied to a plant that causes an imbalance and attempts to manipulate plant growth.

Plant Response to Harp-N-Tek™ Products





ProAct™ Increases Soybean Yield



*Indicates average yield with ProAct is significantly different from Control ($P \leq 0.1$). N = 8 (2005) and 16 (2006). Analysis 1-16-07.

ProAct™ Performance Expectations

YIELD INCREASE: Averaged +2.5 bu/A at 1 oz/A in field trials.

RETURN ON INVESTMENT (ROI): ROI with ProAct is ~3:1



PRODUCT PERFORMANCE SUMMARY:

ProAct™ offers a new technology to turn on plant defenses and growth systems from the inside-out.

- ✓ **Turn On Plant Defenses** and protect your soybeans from the “Inside-Out.”
- ✓ **Turn On Your Soybeans** and get stronger plants from “Inside-Out.”
- ✓ **Enhance Crop Production** and achieve higher yields.

In replicated small plot trials, ProAct™ has been shown to increase soybean yield by 2.5 bu/A on average.

PACKAGING, FORMULATION, REGULATORY INFORMATION, AND RAINFASTNESS:

- Available in a 20 ounce, foil bag. Formulated as a wettable dry granule with 1% harpin_{αβ} protein.
- Excellent safety profile, easy to use, and **not** a restricted use material; REI is 4 hours; PHI is 0 days.
- ProAct is rain fast after 30 minutes or after spray residues dry.

IMPORTANT THINGS TO CONSIDER:

Unlike standard materials, ProAct’s performance is not a function of plant absorption or residual. In fact, there will be no detectable residue of ProAct remaining within hours of application. ProAct has **not** been found to cause phytotoxicity or crop injury.

PROACT™ USE RATE AND HANDLING:

- **USE RATE:** Apply ProAct at 1 oz per acre
- **TIMING:** Make a single application, typically applied during early bloom (R1 to R2).
- **MIX AND USE PROMPTLY:** Within 8 hours of mixing.
- **PARTIAL BAGS:** Reseal opened packets to minimize exposure to air and moisture. Use within 3 weeks.

MIXING ORDER, pH, and COMPATABILITY:

- After ensuring pH has stabilized between 5 and 10, ProAct™ should be first product added to the tank.
- ProAct™ is compatible with many products. For a complete list, please contact your local dealer.

Always read and follow label instructions before using this product.

www.planthealthcare.com 1-800-421-9051

