

ProAct[®]

FOLIAR SPRAY

TIP SHEET

For V2/V6 Corn
Yield Enhancement

Can be tank-mixed with glyphosate or other post-emerge corn herbicides!



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CARE

Healthier Corn. Higher Yields.

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TIP SHEET

For V2/V6 Corn Yield Enhancement

ProAct® is a Plant Health Promoter based on Harp-N-Tek®, a proprietary harpin protein technology from Plant Health Care, Inc. When ProAct is applied to actively growing corn plants, 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.

MODE OF ACTION:

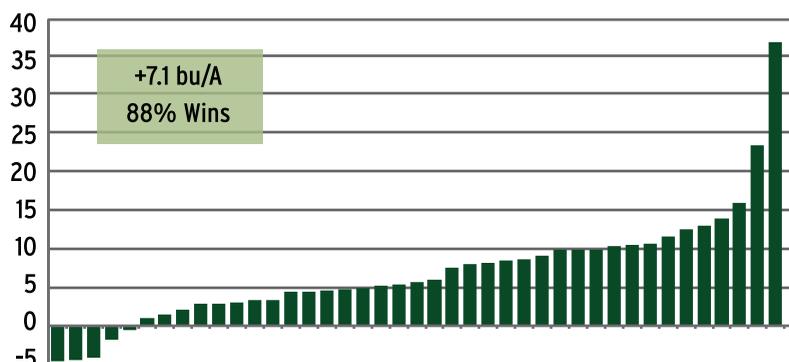
→ Harpin-induced plant growth effects can include increased ion exchange reaction; elevated protein, sugar, and starch transportation; increased nutrient uptake; increased net photosynthesis; and physiological changes associated with transpiration and respiration.

→ Harpin-induced defense effects include hypersensitive response; ion exchange and oxidative burst, which induces production of active oxygen and K/Cl effluxes and Ca/H influxes; induction of salicylic acid accumulation locally and systemically; activation of multiple plant defense pathways, including salicylic acid pathways, jasmonic acid pathways, and phenylalanine ammonia-lyase (PAL) mediated pathways; as well as novel gene induction and pathways.

→ Unlike most crop inputs, ProAct’s performance is not a function of plant absorption or residual; in fact, there are no detectable residues of harpin within hours of application. Therefore, ProAct is rain-fast after 30 minutes or when spray residues have dried.

ProAct treatments can increase yields compared to untreated controls

Corn Yield as Difference from Control (bu/ac)



Based on yield results with ProAct at 0.5 oz/acre, 41 data points, trials located in IA, IL, IN, KY, LA, MN, MS

Always read and follow label instructions before using this product

PACKAGING, FORMULATION, AND RE-ENTRY INFORMATION:

- Available in a 20 ounce foil bag. Formulated as 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.

PACKAGING, FORMULATION, AND RE-ENTRY INFORMATION:

- **USE RATE:** Apply ProAct at 1/2 oz per acre.
- **TIMING:** Ideally, application should be made during V2 through V6 stage of growth, but positive results can be anticipated from applications made anytime from V1 through VT.
- **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.

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

- ✓ **Turn On Plant Defenses** and help protect your corn from stresses that occur after spraying.
- ✓ **Enhance Crop Production** and achieve higher yields.
- ✓ **No Phytotoxicity** - ProAct® has never been found to cause phytotoxicity or crop injury.

EPA Registration Number: 71771-3

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