

THE TECHNOLOGY

The underline proprietary "Harp-N-Tek" technology for these products is based on the Harpin technology originated from Cornell. Harpin proteins are produced in nature by certain bacterial plant pathogens. Many of the plants that those pathogens attack have developed receptors on their seeds, roots, and foliage to detect the presence of Harpin Proteins, which are used as triggers to activate certain defensive and growth responses. Mimicking nature, the Harp-N-Tek seed treatments or foliar regulators will turn on stress-defense and growth systems in the plants that result in improved crop vigor, stamina, nutrient uptake, and reproductive growth.

Patents	US 5,708,139, US 5,850,015, US 6,235,974, US 7,132,525,
	US 6,277,814, US 5,977,060, US 6,262,018, US 6,228,644,
	US 6,172,184, US 6,333,302, US 6,596,509, US 7,041,876,
	US 7,109,397, US 6,858,707
Issued	Jan 13, 1998, Dec 15, 1998, May 22, 2001, Nov 7, 2006,
	Aug 21, 2001, Nov 2, 1999, Jul 17, 2001, May 8, 2001,
	Jan 9, 2001, Dec 25, 2001, Jul 22, 2003, May 9, 2006,
	Sep 19, 2006, Feb 22, 2005
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Licensee	Plant Health Care, Inc.



THE PRODUCTS

Messenger[®] and Employ[®]

Product series for foliar spray that reduces transplant shock, enhances crop growth quality and yield, increases plant stamina and vigor and suppresses nematode egg production. They are used on vegetables, flowers, turf, trees, and landscape plants.

ProAct™

ProAct[™] is a foliar spray product for reducing nematode populations, improving overall plant health and yield. ProAct[™] is the only foliar spray product labeled for use against nematodes in corn and soybeans.

N-Hibit® and AcceleroN™

Product series in seed treatment that suppresses nematode egg production, increases root mass, plant stamina and vigor and enhances crop yield. They are used for field crops such as corn, cotton, soybean and canola, and other vegetable, cucurbit and cole crops.

