



ILeVO®

ILeVO® – THE ONLY SEED TREATMENT SOLUTION FOR SOYBEAN SUDDEN DEATH SYNDROME AND ACTIVITY AGAINST NEMATODES

ILeVO® seed treatment is the only solution for Sudden Death Syndrome (SDS) that has activity against nematodes. It protects the soybean root system against the SDS fungus, and it has activity against nematodes in the seed zone, producing healthier plants for higher yield potential.

SDS continues to be a major issue in soybean-growing regions. The causal agent of SDS is *Fusarium virguliforme* (or *Fusarium solani* f. sp. *glycines*), a soilborne fungus. Once present in a field, the fungus does not go away and can be spread by soil movement to neighboring fields.

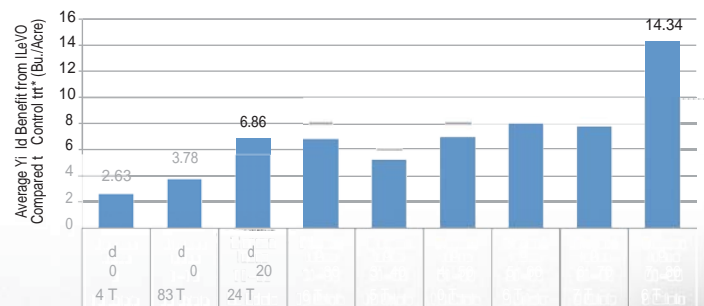
Initial infections of SDS occur on the roots and crowns of young soybean seedlings, resulting in Fusarium root rot. Later in the season, the fungus can produce toxins which cause visual symptoms including leaf drop, reduced pod fill, aborted pods and, ultimately, yield loss.

First seen in Arkansas in 1971, this deadly disease now has been documented in nearly every state where soybeans grow. From 2009 to 2011, average losses in the United States were estimated at 42 million bushels per year. With the use of ILeVO, growers see an average yield increase of two bushels per acre even when there are no visual symptoms of SDS. In fields that have

been infected with SDS, ILeVO has been shown to be effective in minimizing the impact of the disease on yield loss. Compared to current fungicide/insecticide seed treatments, growers see a yield increase of 2 to 10 bushels per acre depending on disease severity.

Yield Benefit of ILeVO® Increases as Foliar SDS Symptoms Intensify

181 Sudden Death Syndrome Trials Across U.S.
Disease Pressure Ranged from 0–80 Disease Index Scores



*Control = Seed-applied fungicides and insecticides

¹C. Bradley, S. Koenning & United Soybean Board



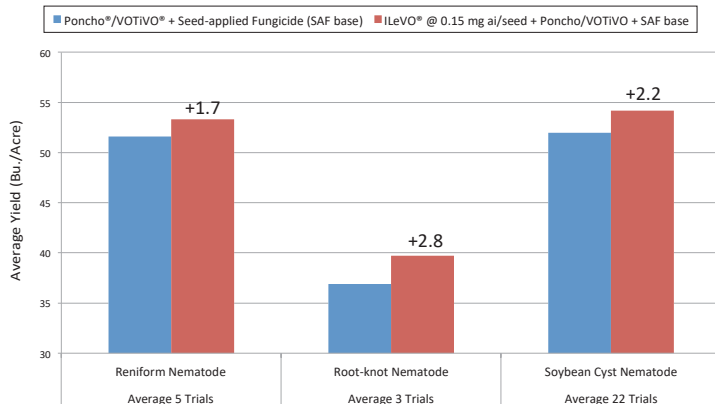


In addition to managing the impact of SDS on the plant, ILeVO® provides activity against nematodes in the seed zone. Combining ILeVO with Poncho®/VOTiVO® gives growers three modes of action for unmatched root and plant protection against the SDS fungus, insects and nematodes. The payoff is a healthier plant with maximum yield potential.

Nematodes cause significant yield loss every year across all soybean-producing geographies. Soybean Cyst Nematode (SCN) causes more yield loss in soybeans year after year than any other pest. The practice of growing resistant soybean varieties is considered the most effective tool for the management of SCN, but it is far from a complete solution. Complementing resistant soybeans with ILeVO and Poncho/VOTiVO adds another defensive tool for soybean growers that can result in less nematode damage and yield loss.

Together, ILeVO and Poncho/VOTiVO deliver the broadest spectrum nematode control available for soybean seeds.

ILeVO® & Poncho®/VOTiVO® Broad-Spectrum Nematode Efficacy



2014 trials across U.S. geographies with various seed sources and wide range of nematode pressures

ILeVO® ADVANTAGES

- The **only** seed treatment solution for Sudden Death Syndrome (SDS) that has activity against nematodes
- Controls Fusarium root rot at the initial infection site *before* symptoms become visible
- Complements current genetics, improving the yield potential of SDS-resistant varieties
- Delivers healthier plants for higher yield potential. Trials document yield increases even in fields that do not show visual symptoms of SDS
- Partners with Poncho/VOTiVO for incremental yield benefits
 - Three modes of action deliver unmatched root and plant protection against the SDS fungus, insects and nematodes
 - Broad-spectrum control of nematodes, including Soybean Cyst Nematode (SCN) and other major soybean nematodes
 - Complements current genetics, improving the yield potential of nematode-resistant and SDS-resistant varieties



Roland, IA: base* treatment control (left) and ILeVO® + base treatment (right).

*Base = commercial seed-applied fungicides and Poncho®/VOTiVO®

