



ILeVO®

Seed Treatment

Proven Protection Against Both Sudden Death Syndrome And Nematodes

The Unseen Enemy

Early in the growing season, your soybean crop faces two potential threats that you won't see until the damage is done. Both the Sudden Death Syndrome (SDS) fungus and Soybean Cyst Nematodes (SCN) live in soybean fields throughout the US, attacking roots within a few weeks of planting – but you won't see symptoms of damage until your soybean crop is seriously weakened, and yields are already lost.



Critical Protection Under Variable Conditions

ILeVO® seed treatment is the only product that brings both a fungicide and a nematicide together into one potent active ingredient, proven to protect against both SDS and SCN, as well as other nematodes. While nematode damage increases in hot, dry conditions, SDS thrives in cool, wet conditions. With ILeVO® seed treatment, your soybean crop is protected against both.

BASF
We create chemistry

PROTECTION

- Protects against both the above- and below-ground phases of SDS and damage from nematodes

VITALITY

- Enables healthier plants and higher yield potential by protecting against key pests that thrive in opposite conditions

PERFORMANCE

- Delivers 4.6 bu/A average yield benefit with 84% consistency, ensuring trusted, proven protection for your soybeans

HOW ILeVO® SEED TREATMENT PROTECTS AGAINST YIELD LOSS FROM SDS AND NEMATODES

Protects against the below-ground phase of SDS

ILeVO® seed treatment protects against root rot caused by the SDS fungus at the initial point of infection, preventing loss in root mass that can lead to yield reduction.

Defends against damage from SCN

ILeVO® seed treatment delivers nematicidal activity that directly impacts all stages of the SCN life cycle, limiting yield loss caused by nematodes.

Reduces foliar symptoms of SDS

ILeVO® seed treatment reduces the above-ground impact of SDS, including leaf discoloration, defoliation and reduced pod fill, protecting the yield potential of the crop.





The SDS Problem

Impact

SDS poses a major threat to soybean yields, with potential losses of up to 80% in an individual field. SDS damage starts underground, with an infection on the roots and crowns that reduces root mass and causes yield loss. Later in the season, the fungus within the roots produces a toxin that moves into the leaves, creating foliar symptoms that reduce photosynthesis and further threaten yield potential.

Visible and Invisible Damage

Foliar symptoms of SDS are unpredictable, as they are influenced by environmental conditions and may not appear every year. However, once the SDS fungus is present in a field, it remains there, even with crop rotations. As a result, yield potential is threatened each year by the below-ground impact of the SDS fungus, even when foliar symptoms do not appear.

ILeVO® Seed Treatment for Protection Against SDS

ILeVO® seed treatment reduces root rot infection and toxin production to protect against both the below-ground and foliar impacts of SDS. ILeVO® seed treatment brings an average yield increase of 2 – 4 bu/A* when foliar symptoms are not present, and an average yield increase of 4 – 10 bu/A* when foliar symptoms appear.

Above- and Below-Ground Effects



The Nematode Problem

Impact

Soybean Cyst Nematode (SCN) is the #1 contributor to soybean yield loss. Damage is caused when nematodes enter plant roots and establish feeding sites that steal nutrients and water from the plant, ultimately reducing yield potential. Because the damage occurs below ground, SCN can cause up to a 30% loss in soybean yield without any visible signs of plant damage.

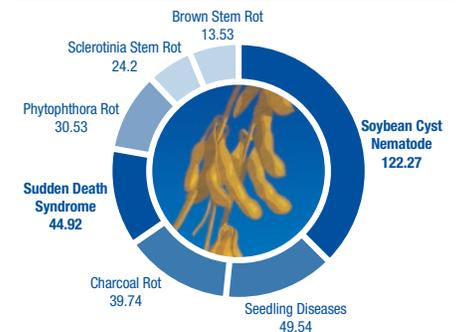
The Need for Active Management

Planting SCN-resistant soybean varieties has become a standard management practice. However, continued use of varieties with the same source of SCN-resistant genes (PI 88788) has led to an increased ability of SCN to adapt and reproduce, making it necessary to implement additional measures to effectively manage this pest.

ILeVO® Seed Treatment for Protection Against Nematodes

ILeVO® seed treatment adds another level of protection that results in reduced nematode damage and increased yield potential. ILeVO® seed treatment is a true nematicide that directly impacts all stages of the SCN lifecycle, setting it apart from other nematode products that are active only against certain life stages. With ILeVO® seed treatment, growers see an average yield benefit of 2 – 4 bu/A* under low to moderate nematode pressure.

Yield Loss Estimates (Millions of Bushels) 5 Year Average



Source: "Estimates of Soybean Yield Reductions Caused by Diseases in the United States," United Soybean Board, http://extension.crop-sciences.illinois.edu/fieldcrops/diseases/yield_reductions.php

ILeVO® Seed Treatment Overall Average Yield Benefit

 **+4.6**
BU/ACRE

 **84%**
CONSISTENCY

355 Comparisons*
VARYING LEVELS OF SDS PRESSURE

*All yield figures are based on 7 years of trial data from 2011-2017 with comparison to fungicide/insecticide base

For more information, visit AgProducts.BASF.us

Always read and follow label directions.



IMPORTANT: This bulletin is not intended to provide adequate information for use of these products. Read the label before using these products. Observe all label directions and precautions while using these products.

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PRODUCT BULLETIN