

Burrus Buzz

Delivering more than just seed!

May 13, 2015

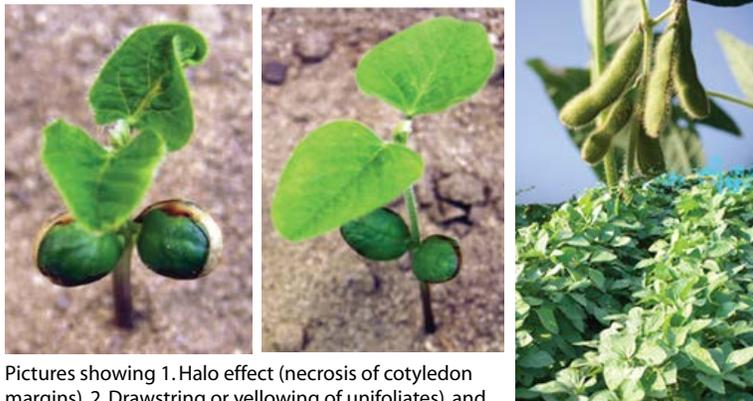
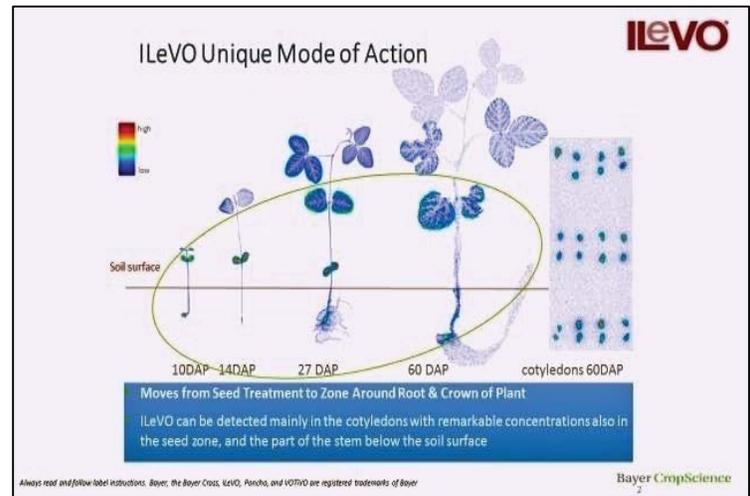


by Stephanie Porter

Halo Effect

Burrus is excited to offer the ILeVO® seed treatment combined with our base soybean PowerShield® treatment which consists of fungicides, insecticide, and biologicals. This new Burrus soybean seed treatment package consisting of the high (0.15mg) rate of ILeVO will be called PS SDS, which stands for PowerShield for Sudden Death Syndrome. Limited quantities of the following soybean varieties are available with PS SDS: Power Plus® 32D5™*, Power Plus® 36J3™*, Power Plus® 39B3™* and Hoblit 384LL.

ILeVO is a unique compound from Bayer Crop Science that brings both fungicidal and nematicidal activity within the seed zone, when applied to the soybean seed. ILeVO impacts Sudden Death Syndrome (SDS) disease symptoms above and below the soil. This special seed treatment also has a broad spectrum activity against all nematodes. As a nematicide, ILeVO kills nematodes near the seed, but as the root (tips) move away from the seed zone, protection is no longer available later in the growing season.

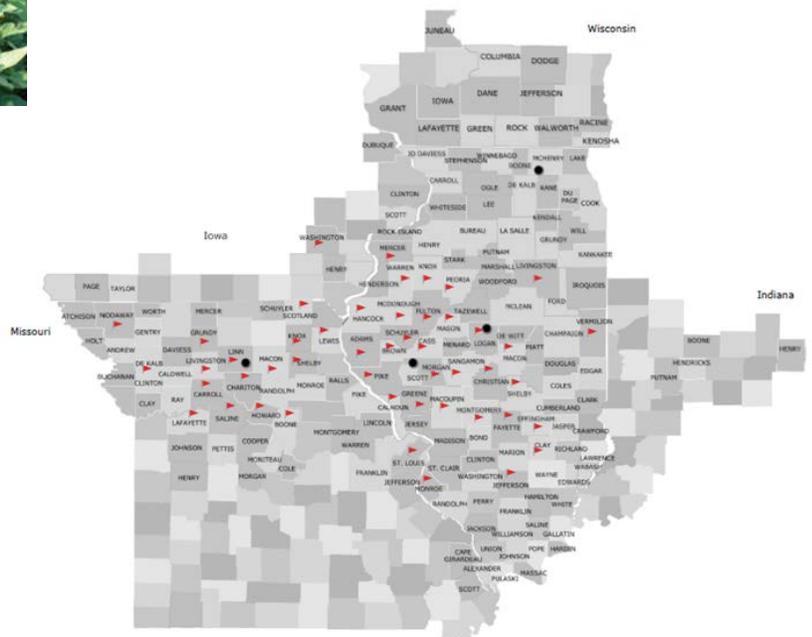


Pictures showing 1. Halo effect (necrosis of cotyledon margins), 2. Drawstring or yellowing of unifoliates, and 3. High yielding soybeans at podfill that were protected by ILeVO

We also know that that ILeVO has been tested in conjunction with some of the common soybean pre-emergence herbicides and no interactions have been observed that could increase the likelihood or severity of herbicide injury. Based on the results of many trials, we are assured that the effects of ILeVO's unique mode of action will have no effect on soybean yield.

In 2015, Burrus and customers will be evaluating the ILeVO seed treatment in at least 80 different locations (see map to the right). Of those 80 locations, there will be around 50 side by side comparisons of 3 different soybean varieties within 32 plots located throughout the Burrus footprint which will be carefully evaluated by Burrus agronomists. We are excited to see this seed treatment enhance soybean yields.

ILeVO has a unique mode of action, which causes the seed treatment to concentrate mainly in the soybean cotyledons, which are the first leaves on the plant at emergence. A halo effect, or necrosis at margins of the cotyledons may occur as a result of a photo-sensitive reaction to this concentration of ILeVO. Later, a drawstring effect or yellowing could occur on the unifoliolate leaves. These symptoms, which occur during the VE (emergence) and V2 soybean growth stages, are more frequently seen under slow growing conditions, when the soil or air temperatures are cool. After the V2 soybean growth stage or as the trifoliolate leaves appear, the plant will appear normal.



Locations of the 2015 Burrus PS SDS (with ILeVO seed treatment) side by side comparisons.