

MU Certified Strip Trial Program

2017 ILeVO® Trial Harvest Report

Site number: 16

County: Barton

Extension Contact – Jill Scheidt, Agronomist

Results Summary

- Whole strip yields indicate ILeVO increased yield 10 bushels/acre and the difference was statistically significant.
- An assessment of within-strip variability estimated that the benefit of ILeVO was greater or equal to zero for over 95% of the trial.
- Scouting confirmed Sudden Death Syndrome at this location.
- This location had no soil samples taken.

The mission of the MU Certified Strip Trial Program is to help farmers validate management decisions on their farm and document efficiency and environmental stewardship.

The MU Certified Strip Trial Program is funded by:

MU Extension, the Missouri Soybean Merchandising Council, and the Missouri Corn Merchandising Council

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Figure 1. Aerial photography taken August 25, 2017, showing strip trial layout in the field.

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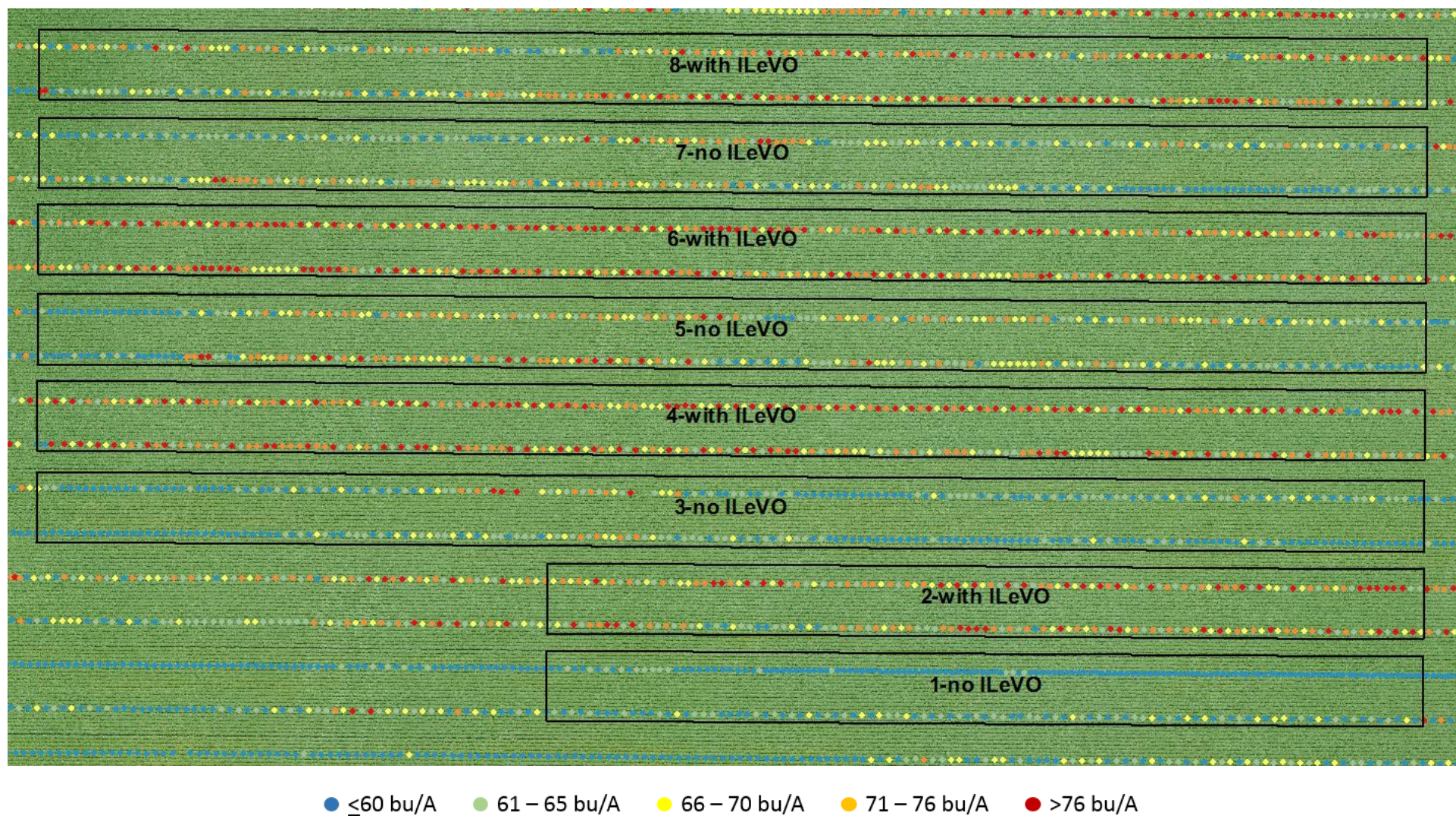


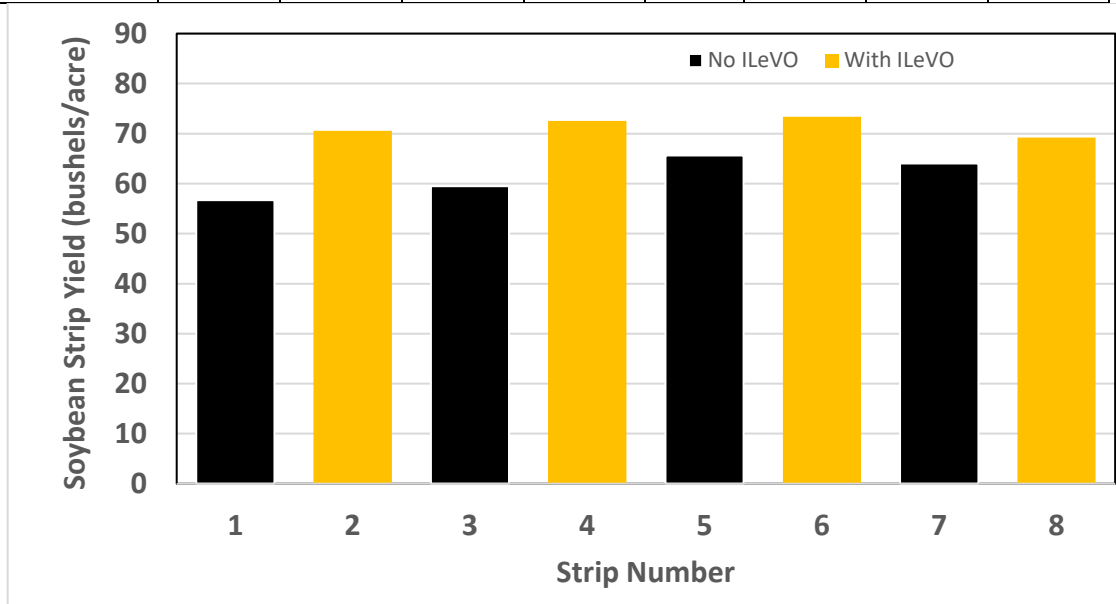
Figure 2. Yield monitor data for soybean reported as bushels per acre. Field was harvested October 17, 2017.

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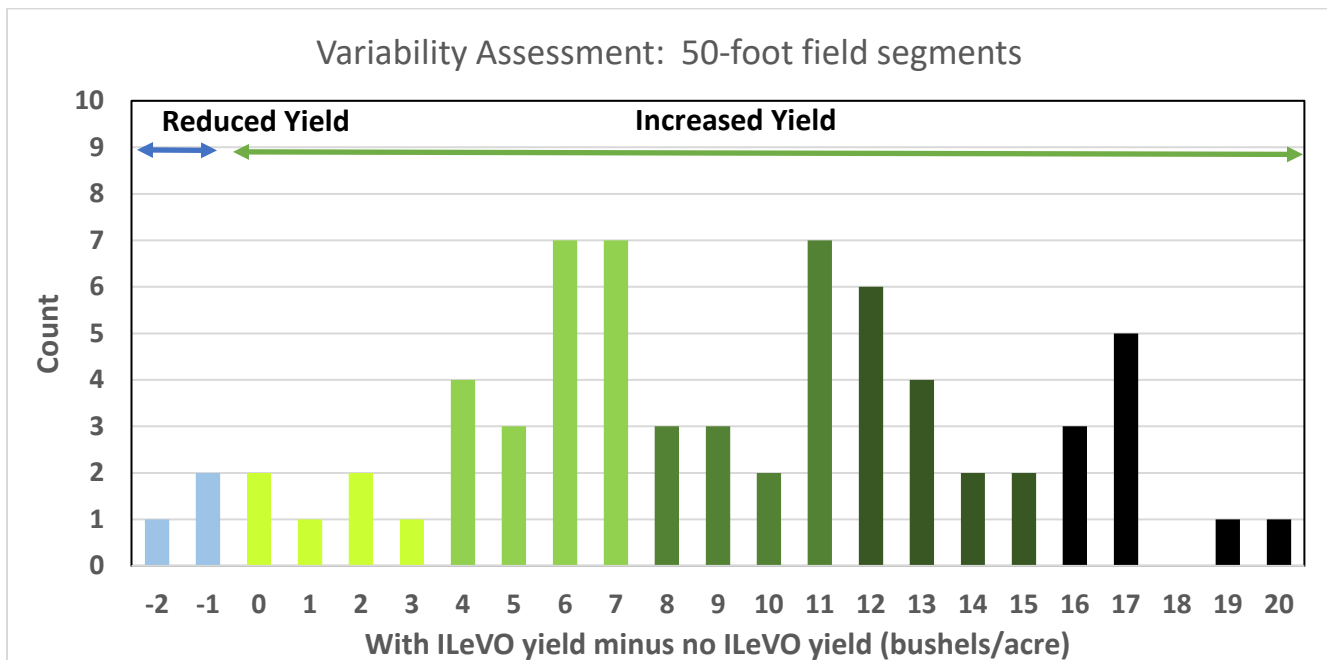
Table/Graph 1. Whole Strip Yields.

Mean yield for all strips was 66.4 bu/A (71.4 bu/A with ILeVO; 61.5 bu/A without ILeVO).

Strip	1	2	3	4	5	6	7	8
ILeVO?	No	Yes	No	Yes	No	Yes	No	Yes
Yield (bu/A)	56.7	70.5	59.5	72.6	65.6	73.4	64.0	69.2



Graph 2. Field variability: Estimated yield “benefit” of ILeVO.



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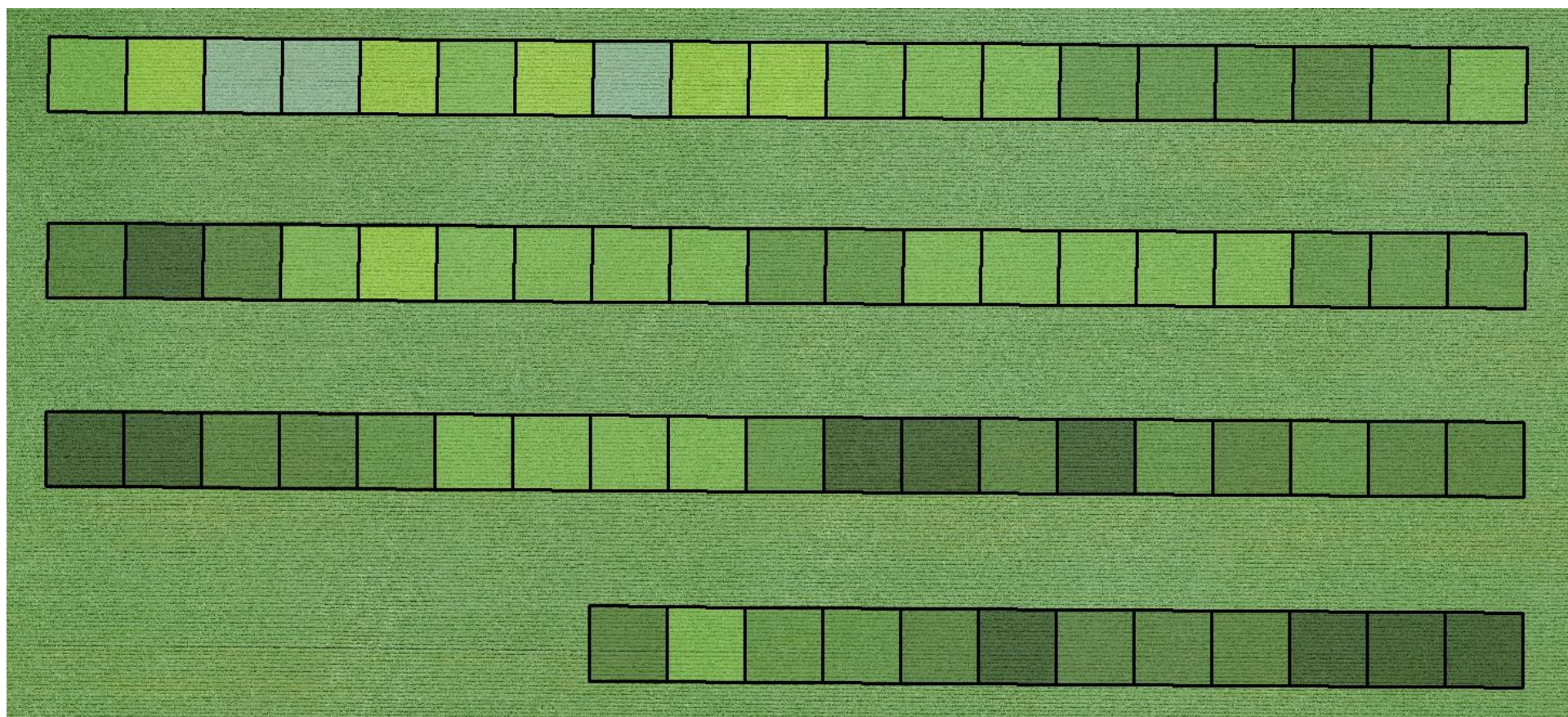


Figure 3. Field variability in the predicted yield effect of ILeVO. Colors match previous figure. Green segments are where the predicted yield effect was ≥ 0 ; blue segments are where yield effect was predicted negative.

MU Certified Strip Trial Program

Management Information

Location characteristics:	Trial size: 12 acres	Dominant soil type: Silt Loam
Crop rotation:	Previous crop: Corn	Current crop: Soybean
Soybean variety:	Pioneer 48T53R	SCN resistant: Yes SDS resistant: Moderate
Agronomic information:	Planted: 6/8/2017	Harvested: 10/17/2017
Other seed treatments:	Acceleron	
SDS history:	History of SDS: Yes	Confirmed SDS in 2017: Yes

Location Notes:

- This field was an ILeVO treated field that had four strips of no-ILeVO seed.
- The field was surveyed on August 25th with aerial imagery. SDS was confirmed at this field.

