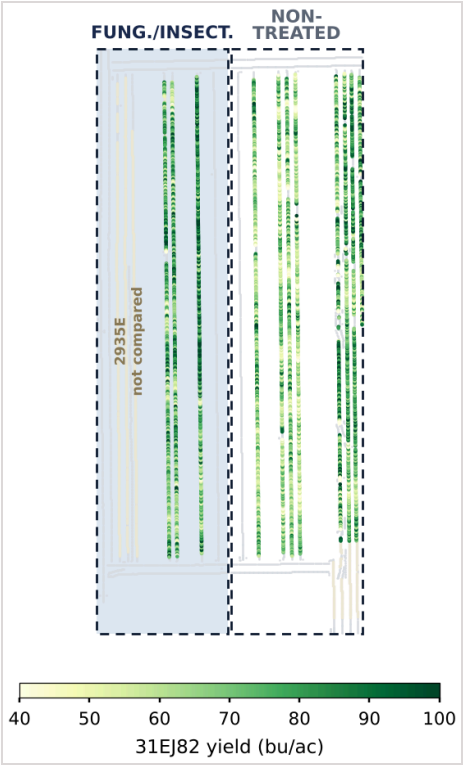
Soybean Field Trial: 31EJ82 with Fungicide/Insecticide Yielded 7.4 Bu/Ac More.

Foliar Fungicide/Insecticide vs. Non-Treated at field scale, Danforth N160. Revytek fungicide + bifenthrin insecticide applied July 15 on four 120-ft passes. Only Stine 31EJ82, the variety on the non-treated side, is compared.



removed in cleanup
fungicide/insecticide or strip-till area
trial-area boundary
2935E · not compared

Fungicide/insecticide 480 ft (shaded) and the next 480 ft non-treated. Colored points are 31EJ82 as planted; the west half of the treated passes was planted to 2935E and is not compared.

STINE 31EJ82 (VICTRATO) · YIELD MONITOR

AREA	YIELD, BU/AC	MOIST.	ACRES	POINTS
Fungicide/insecticide · 480 ft	**75.6**	**11.4%**	**3.5**	**1,549**
Non-treated · next 480 ft	**68.2**	**11.5%**	**8.4**	**3,884**
Non-treated · whole strip	69.9	11.9%	16.7	7,907

+7.4 BU/AC
fungicide/insecticide – next 480 ft

+5.7 BU/AC
fungicide/insecticide – whole strip

REVENUE DIFFERENCE
+$93 /AC
+7.4 bu × $12.62

EST. RETURN AFTER $35
+$58 /AC

Same variety on both sides, matched to the planting record rather than the combine's variety label. Left out: 1,495 treated points on 2935E ground or on a pass straddling the variety line, and 328 non-treated points on the 2935E headland at the south end.

31EJ82 difference with a 30 / 60 / 90 ft edge buffer: **+6.4 / +7.4 / +7.3** bu/ac

SCALE WEIGHTS · WEIGH WAGON · 31EJ82 BOTH STRIPS

AREA	YIELD, BU/AC	MOIST.	NET LB	BUSHELS	ACRES
Non-treated · 180 ft	76.7	11.5%*	34,520	575.3	7.50
Fungicide/insecticide · 180 ft	83.5	11.4%*	37,560	626.0	7.50

Scale difference: **+6.8 bu/ac** (fungicide/insecticide · 180 ft – non-treated · 180 ft). Net weight ÷ 60 lb/bu ÷ acres. *Moisture wasn't recorded at the scale; shown from the yield monitor on the same strips.

DATA CLEANUP	IN AREA	USED	KEPT	LARGEST REMOVALS
Yield monitor · fungicide/insecticide 480 ft	6,119	1,549	25%	edge buffer 1,655, other hybrid/variety or straddling 1,495, headland passes 563
Yield monitor · next 480 ft	6,253	3,884	62%	edge buffer 650, headland passes 583, other hybrid/variety or straddling 328

Yield-monitor data cleaned the same way on both sides (bad points, headlands, turns and a 60-ft edge buffer removed); hybrids and varieties matched to the planting record. Weighed strips: 72 rows (180 ft) on each side of the application line, both 31EJ82. Est. return = difference × $12.62 – $35/ac.