What We Observed Across the 2026 Plots.

Patterns in the harvested results so far. They describe what happened in these plots — you're the judge of how they fit your farm.

01 Fungicide/insecticide plots yielded more on average at Danforth.
Corn +10.0, soybeans +6.9 and the Stine plot +7.0 bu/ac — fungicide/insecticide vs. non-treated plot averages, one pair of plots each.

02 Products didn't respond alike.
Corn responses ran from –10.7 to +26.0 bu/ac; soybeans from –8.1 to +17.1. Products may differ in how they respond to management practices — we'll keep evaluating this locally.

03 Later corn showed the larger responses.
Every Danforth hybrid at 112 days RM and later yielded more with fungicide/insecticide. Those hybrids were also planted together, so maturity and position in the field can't be separated here.

04 One plot's ranking didn't predict another's.
26 hybrids were in both the Danforth non-treated plot and Piper City. Their orders barely matched: 647-09VT2 ranked 23rd at Danforth and 1st at Piper City; 644-64VT2 ranked 24th at Danforth and 3rd at Piper City; 8427V ranked 4th at Danforth and 25th at Piper City. That's why we test in more than one place.

05 The same soybean can respond differently in two plots.
37EJ20: –3.8 in the soybean plot, +12.9 in the Stine plot; 31EJ82: +14.6 in the soybean plot, –2.9 in the Stine plot; 28EJ82: +17.1 in the soybean plot, +4.0 in the Stine plot (fungicide/insecticide minus non-treated, bu/ac).

06 Peking varieties ran ahead of PI88788 in every soybean plot.
On average +4.0 points of plot average across the four plots (page 22). The Peking group is smaller and earlier, so this shows where varieties landed, not why.

RESEARCH NOTES

Locations. 8 product plots in Cabery, Chenoa, Danforth and Piper City. Fungicide/insecticide, seed-treatment and tillage comparisons are from the Danforth Research Farm.

Data. Plot weights and moisture from the 2026 plot reports and plot form; field trials from John Deere harvest data and weigh-wagon scale weights. RM and SCN source from the AgTech 2027 product reference.

Yields. Adjusted to standard moisture and harvested row length. Ranks are within each plot.

Foliar fungicide/insecticide. Revytek fungicide (EPA Reg. No. 7969-406) + bifenthrin insecticide, applied together July 15, 2026.

Plot design. Each product was grown once per plot. No formal statistical tests are reported.

Economics. $4.55/bu corn and $12.62/bu soybeans are book assumptions; $35/ac covers product and application.

DISCLOSURES

Pesticide labels. Always read and follow label directions. Agricultural bifenthrin products are generally Restricted Use Pesticides. Mention of a product or rate is not a recommendation.

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Your fields. Results are from 2026 plots in our area. Weather, soils, pests and management vary by field and year. Consider your own conditions and advisors when choosing products.