

# Summary Of Corn Fungicide Results From On-Farm Trials In Iowa In 2011



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**C**olleagues at Iowa State University (Drs. Daren Mueller and Alison Robertson) recently shared results of 23 on-farm fungicide trials, comparing different fungicides and timings. Most of these trials were conducted in low-disease conditions. (For

the full report, go to: <http://www.extension.ias-tate.edu/NR/rdonlyres/88CDD37F-E5D6-4CBA-B207-CA6B677942C8/164380/ISUFARMFfinal.pdf>.)

I have summarized their timing work in Table 1. You can see that these studies show no advantage to applying fungicide early, and provided a modest positive response in about 40 percent of fields sprayed under mostly low disease conditions. These findings are consistent with the results of small-plot research conducted by other universities.

Bottom line: On-farm studies in Iowa in 2011 showed no benefit to applying fungicide early in the season. A significant benefit was sometimes found when applied near R1. This is consistent with results of small-plot research.  $\Delta$

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Table 1. On-farm trial from Iowa State University comparing performance of corn fungicide applied at different times.

Application timing	No. of trials	Average yield response (bu/ac)*	No. trials with statistical yield bump**
V5-V6	6	-0.4	0
VT-R2	13	6.3	5
V6 and VT-R1	4	-1.3	1

\*Treated minus control.

\*\*Refers to number of times the treated out-yielded the control  $P=0.10$  or less (error rate 10% or less).