

University of Tennessee

Large Plot Foliar Trial on Top of Untreated Wheat Seed - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: Pioneer 26R10, no insecticide seed treatment (planted 10-18-2016)

Plots: 25 ft x 500 ft (RCBD, 4 Reps)

Application: 2-13-17; High clearance sprayer (10 GPA, 40 PSI, 8001FF)

Investigators: Stewart, S. Steckel, Williams

BYDV = Flag leaves with symptomology of barley yellow dwarf virus

| Description | | | | Aphid counts | Winged aphids | BYDV Flag leaves | Yield |
|-------------------------------|-------------|-------------|------|--------------|---------------|---------------------|----------|
| Rating Date | | | | 3/20/2017 | 3/20/2017 | 4/7/2017 | 6/9/2017 |
| Sample Size, Unit | | | | 3 Rowft | 3 Rowft | 60 sq ft | Bu/A |
| Days After First/Last Applic. | | | | 153 35 | 153 35 | 171 53 | 234 116 |
| Treatment | Formulation | Rate | Appl | | | | |
| 1 Karate Z | 2.08 Lb/gal | 1.5 fl oz/a | A | 0.00 b | 0.25 a | 17.00 b | 85.68 a |
| 2 Untreated | | | | 90.25 a | 0.25 a | 53.50 a | 80.38 b |

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)