

# University of Tennessee

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

Location: West TN Research and Education Center (Jackson)

Variety: Pioneer 26R10, Untreated (planted 10/16/15)

Application: 1/29/16; High Clearance Sprayer (12 GPA, 40 psi, 80015FF)

Plots: 25 ft x 400 ft (RCBD 4 Reps)

Investigators: Stewart, S. Steckel, Williams

BYDV = Flag leaves with symptomology of barley yellow dwarf virus

| Description         |             |      | Aphid counts | Winged aphids | Aphid counts | Total aphids | BYDV               | Yield    |
|---------------------|-------------|------|--------------|---------------|--------------|--------------|--------------------|----------|
| Pest Stage Majority |             |      |              |               |              |              | Flag leaves        |          |
| Rating Date         |             |      | 11/10/2015   | 3/18/2016     | 3/18/2016    | 3/18/2016    | 4/13/2016          | 6/9/2016 |
| Sample Size, Unit   |             |      | 3 rowft      | 4 rowft       | 4 rowft      | 4 rowft      | 300 f <sup>2</sup> | 1 acre   |
| Trt-Eval Interval   |             |      | -80 DA-A     | 49 DA-A       | 49 DA-A      | 49 DA-A      |                    | 132 DA-A |
| Treatment           | Rate        | Appl |              |               |              |              |                    |          |
| 1 Karate Z          | 1.5 fl oz/a | A    | 4.5 a        | 1.0 a         | 1.5 b        | 2.5 b        | 16.5 b             | 89.0 a   |
| 2 Untreated         |             | A    | 5.8 a        | 2.8 a         | 10.5 a       | 13.3 a       | 63.5 a             | 86.5 a   |

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