FY08 USWBSI Project Abstract

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Project ID: FY08-MC-133 FY07 ARS Agreement #: 59-0790-4-118

Research Category: VDHR-NWW Duration of Award: 1 Year

Project Title: Mapping Fusarium Head Blight Resistance in Truman Wheat.

PROJECT 2 ABSTRACT

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| We will phenotype a RI population of 250 lines from the cross: Truman/Mo 940317 (A coordinated project with MO, KY, and OH). We will grow two replications of the population and parent lines, with the two parents repeated in each replication. Plots are 1 meter long, 30 cm apart and consist of 80 seeds. We will try to achieve natural infection (seeded in disced corn residue in the misted area). At $21 - 25$ days after flowering we will determine the percentage of spikes infected with <i>F. graminearum</i> , and we will determine the percentage of spikelets diseased in a random sample of 10 infected spikes per plot. |
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