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

PROJECT 3 ABSTRACT

(1 Page Limit)

The soft wheat cultivar Truman has shown very high levels of field resistance to scab. In addition it has good agronomics and commercial value. As such it is an ideal source of FHB resistance as linkage drag should be minimal and it has already been used extensively in crosses in most eastern US wheat breeding programs. Our objective is to map QTL that control the FHB resistance in Truman. The Ohio State University program will collaborate with the University of Missouri, Purdue University, and the University of Kentucky by phenotyping the RIL population in Ohio. We will obtain data on type I and type II resistance and collect grain samples for DON analysis. The data will be sent to the University of Missouri for mapping analyses.