

PROJECT TITLE: Evaluation of the agronomic performance of spring wheat varieties under recrop conditions near Geraldine, Montana.

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OBJECTIVES:

Evaluate the agronomic performance of spring wheat varieties under recrop environment near Geraldine.

RESULTS:

The trial was established April 13, 2006 and had good to excellent emergence. The nursery and the field of spring wheat around the nursery were soon severely infected with wheat streak mosaic virus. The infection was so severe the plants did not reach a 10 inch height and most tillers did not survive to establish an emerge spike. A 2005 spring wheat field, approximately one mile west of the nursery, was hayed and the regrowth was allowed to grow into the fall with some surviving till the spring of 2006. Apparently this field of volunteer wheat was treated with glyphosate about the time our nursery plants were emerging as well as the seedlings in the field around our nursery. This chain of events led to the very high infection rate. Hand cut sample indicated a yield level of less than 4 bu. per acre.

SUMMARY:

Nursery lost to an overwhelming wheat streak mosaic infection.

FUTURE PLANS:

Plan to establish a spring wheat nursery in the Geraldine area in 2007 because of the potential for both Hessian fly and sawfly infestations.