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Research Category: VDHR-SPR

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Project Title: Regional Uniform Scab Nursery - Langdon Location.

PROJECT 6 ABSTRACT

(1 Page Limit)

A hard red spring wheat (HRSW) evaluation nursery for tolerance to Fusarium head blight (FHB) will be re-established at the Langdon Research Extension Center at Langdon, North Dakota. The objective will be to support research efforts by the major public HRSW programs in the upper Great Plains in developing lines that reduce the effects from FHB. The environment at Langdon has consistently been one of the most effective for developing FHB and providing comparative data for tolerance to FHB for breeding programs. Deoxynivalenol concentration ranged from 4 to 32 ppm in 2008. The principle focus of the program will be to evaluate breeding material submitted for entry into the uniform regional scab nursery. Additional research material selected by the project director from breeding programs from the University of Minnesota, South Dakota State University, North Dakota State University and possibly Montana State University that have potential to contribute to a reduction in the effects of Fusarium head blight (FHB) to stakeholders will also be evaluated.