

PI: Neate, Stephen M.

PI's E-mail: stephen.neate@ndsu.edu

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Research Category: BAR-CP/GDER

Duration of Award: 1 Year

Project Title: Transformation and Field Testing of Transgenic Barley Lines.

PROJECT 3 ABSTRACT

(1 Page Limit)

The objective of the proposed research is to conduct field trials at the Langdon Research Extension Center of existing transgenic lines from Dr L. Dahleen (USDA-ARS-Fargo, ND), to determine their resistance to infection by Fusarium Head Blight and their ability to resist accumulation of DON. Comparison will be made between resistant and susceptible checks and 48 lines of Conlon transformed with Glu; Chi+FvGlu; Chi+tlp and 24 lines of Conlon BC transformed with multiple pairs of the above genes.