## FY14 USWBSI Project Abstract

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**ARS Agreement #: New Agreement (Expiring** Project ID: FY14-SC-013

**Agreement # 59-0206-9-068**)

**Research Category: FSTU Duration of Award: 1 Year** 

**Project Title: Malting Barley Deoxynivalenol Diagnostic Services.** 

## PROJECT 1 ABSTRACT

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| The malting and brewing of <i>Fusarium</i> infected barley presents a number of processing, product quality and public health concerns. <i>Fusarium</i> infected barley also is unsuitable for human consumption and for some livestock. The ultimate solution to <i>Fusarium</i> -related problems is the development of FHB resistant barley cultivars. Testing for deoxynivalenol (DON) is an integral part of barley varietal development programs focusing on <i>Fusarium</i> resistance. DON testing, however, is a very expense part of these programs, and thus can limit the number of lines, which may be screened within a given year. The primary objective of this project is to provide barley breeders and pathologists, working on the development of <i>Fusarium</i> resistant barley, with affordable, accurate and timely DON analysis. |
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