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**Project ID:** FY18-IM-017

**ARS Agreement #:** 58-2050-8-013

**Research Category:** MGMT

**Duration of Award:** 1 Year

**Project Title:** Efficacy of a New Fungicide for FHB and DON Management across Environments and Grain Market Classes

### PROJECT 3 ABSTRACT

(1 Page Limit)

The PI will participate in the FHB Management Coordinated Project (MGMT\_CP) to evaluate the integrated effects of fungicide treatment and genetic resistance on FHB and DON in hard red spring wheat grown in the Pacific Northwest and Intermountain West region, with emphasis on a new fungicide, Miravis Ace®. We will be comparing the efficacy of Miravis Ace when applied at heading or at anthesis to that of standard anthesis application of Prosaro or Caramba. The objective is to generate data to further quantify the economic benefit of FHB/DON management strategies and to develop more robust “*best-management practices*” for FHB and DON, and generate data to validate and advance the development of FHB and DON risk prediction models. With the expansion of FHB into irrigated production areas of the PNW and intermountain west, and the limits of currently available fungicides, testing of the newly available fungicide Miravis Ace may provide increased choices for the producer.