

## Wheat Research Progress Report

**Project #:** 3019-3424

**Title:** Pursuit Carryover and Osprey Tolerance in Winter Wheat

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**Progress Report Year:** 2008 (Funding received for FY 2009-2011)

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**Accomplishments:** Injury due to Group 2 ALS-inhibiting herbicides (specifically Osprey injury) and carryover injury due to Pursuit were identified as two critical concerns independently by several groups of growers.

There are two goals: 1) delineate the amount of Pursuit residue necessary to cause a yield loss in winter wheat in a legume/winter wheat/ rotation, and 2) identify susceptible wheat varieties and the environmental conditions that cause Osprey injury to winter wheat.

To accomplish these goals, trials were initiated to:

- Conduct Osprey Tolerance studies in eastern Washington. Six sites were identified: Dayton, Pullman, La Crosse, Fairfield, Lind, and Davenport. Lack of moisture led to the abandonment of the Lind site. The other five sites have been planted with six different wheat varieties including Eltan, Madsen, Bruehl, Bauermeister, Eddy, and ORCF 102. These six varieties represent well over half of the winter wheat planted in Washington in 2007.
- Identify the rate of Pursuit at which winter wheat is injured (this study is duplicated in Idaho by Dr. Donn Thill and Oregon by Dr. Dan Ball). Residue samples are being taken from these sites to determine Pursuit fate in eastern Washington soils.

**Results:** No results are currently available for this work at this time.

**Publications:** No publications have resulted from this work at this time.

**Presentations and Reports:** No presentations or reports have resulted from this work at this time.