

To: Montana Wheat and Barley Committee

From: Montana State University-Bozeman
Agricultural Experiment Station Research Centers located at:
Conrad, Havre, Huntley, Kalispell, Moccasin, and Sidney

Subject: 2010 Research Report on 'Evaluation of various materials and practices contributing toward economic crop production under flexible, continuous, and other cropping systems in Montana.'

Submitted is the 2010 Research report conducted by the Montana Experiment Stations Research Centers with funds received from the Montana Wheat and Barley Committee.

The main emphasis of research, with funding assistance from the Montana Wheat and Barley Committee, is to investigate various aspects of dryland continuous and/or flexible cropping systems as compared to crop-fallow systems; and the appropriateness of various materials and practices as components of cropping systems in general.

This report has been organized according to subject matter and not by location. Each report is complete within itself covering all aspects of management and addressing the impact of the growing season environment and other variables at that location.

In *Section IX, Other Agronomic Investigations*, The study entitled 'Effect of dormant planting of winter barley, winter wheat, spring barley, and spring wheat' was not planted, so no report for that trial is submitted.

All variety trial data from this report and from previous reports starting in 2001 for barley, and in 2004 for spring and winter wheat can be accessed online using the MSU Variety Selection Tool.

<http://www.sarc.montana.edu/php/varieties>