Ralston Project Research Update

PNW Oilseed & Direct Seed Conference

January 20, 2015

Presented By Lauren Young, Washington State University
The Ralston Project

- WINTER CANOLA
- SPRING BARLEY
- ENVIRONMENTAL MONITORING
- 2014-2015

- Traditional WW
- Growing triticale and a tall WW variety
- Harvesting with a stripper header
- Chemical fallow
January 2014
January 2014
Winter Kill

Ralston Air Temperatures
October 2013-April 2014

Soil Surface
20 Inches Above Surface
Replanting 2014 Crop
2014 Crop

WINTER CANOLA  SPRING BARLEY  ENVIRONMENTAL MONITORING  2014-2015
Yield

Champion Spring Barley Yield lbs/ac

WT CB | WT SH | WW CB | WW SH
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[Yellow] | [Blue] | [Green] | [Red]

0 | 200 | 400 | 600 | 800 | 1000 | 1200 | 1400

WINTER CANOLA | SPRING BARLEY | ENVIRONMENTAL MONITORING | 2014-2015
2014 Fallow Plots
Fallow Monitoring
Fallow Monitoring

Wind speeds measured at 16cm, July 12-21, 2014

- Stripper Header Chem Fallow post WW
- Cutter Bar Tilled Fallow post WW
Gravimetric Water Content Over Time
0-3" and 3-6"

- CBWW
- SHWT
Winter Canola
Winter Canola?
Winter Canola Funding

- Palouse Rock Lake Conservation District
- Washington Oilseed Cropping Systems Project
- Washington Oilseeds Commission
- USDA-ARS Appropriations