



BIOENERGY CROPS: CANOLA

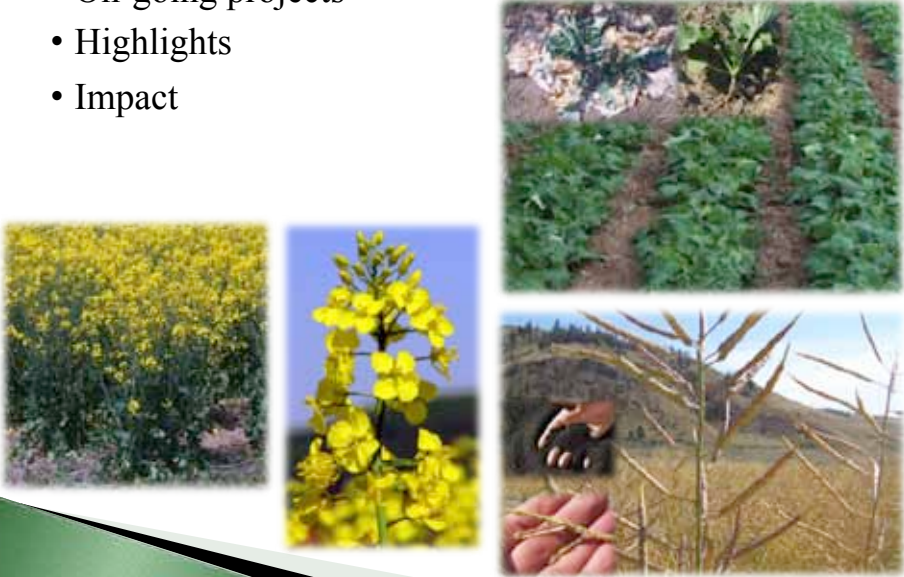


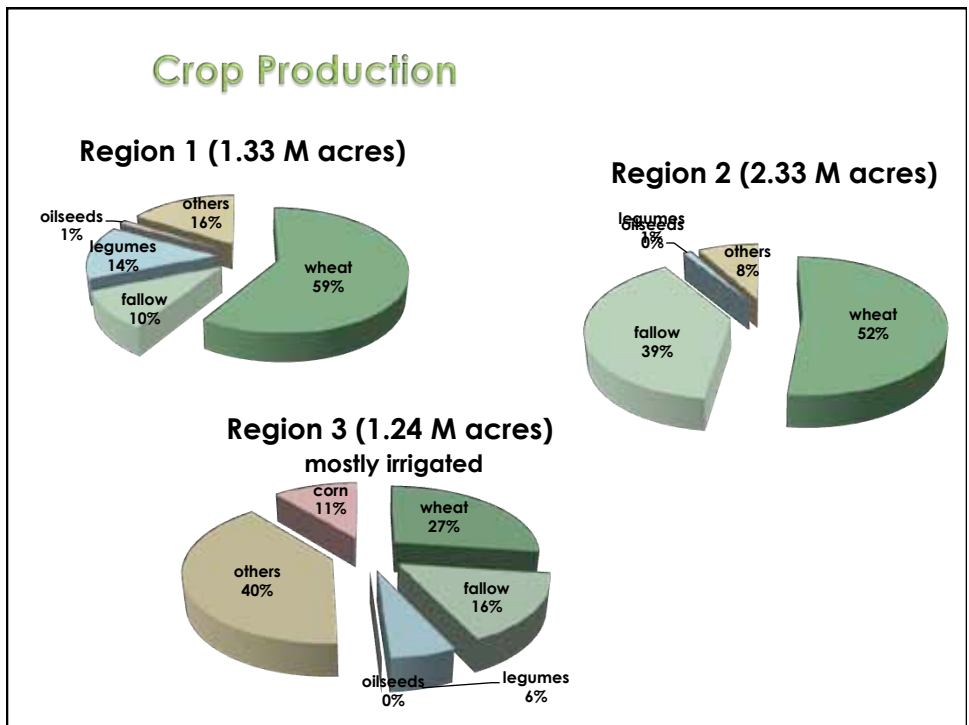
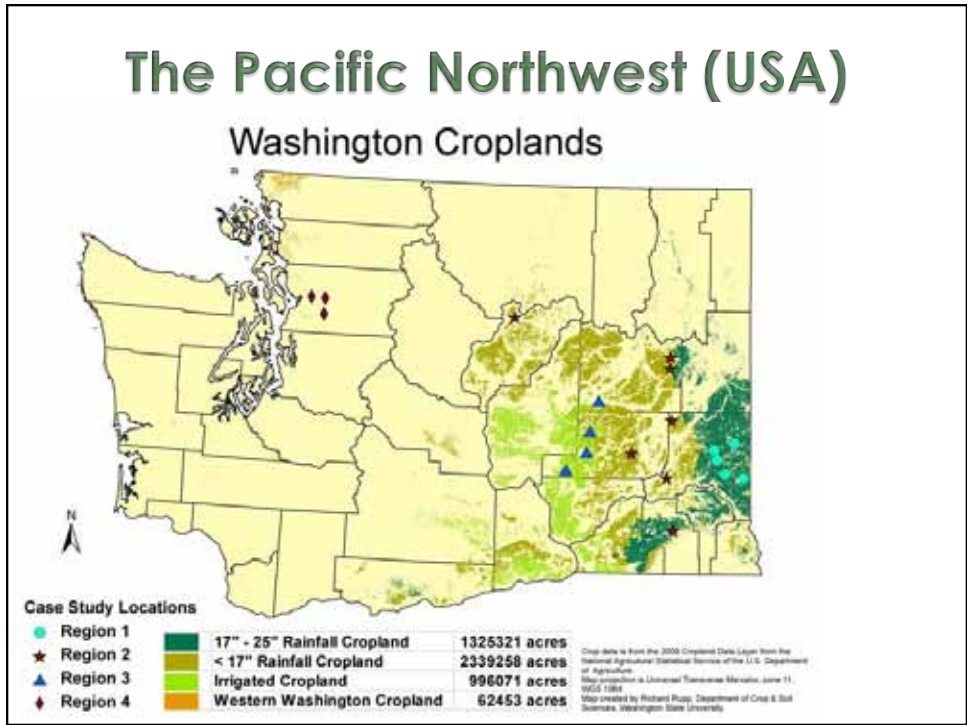
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Today's Outline

- On-going projects
- Highlights
- Impact





Why Canola?

- Improve environment
- Improve pest management
- Diversify markets
- Increase sustainability

Feral rye infesting
winter wheat



Canola Research in WA

Regions 1 & 2:

- Rotational Influence of canola on wheat
- **Biennial canola**
- **Crop fertility**
- Canola as alternative crop in high rainfall zone
- Soil borne diseases
- **Stand establishment in wheat/fallow region**
- Soil microbial changes & water infiltration



Canola Research in WA

Regions 3 & 4:

- Decade of agronomic research has been conducted on irrigated canola
- Varietal & irrigation management
- Feasibility of spring canola in western WA



Canola Research in WA

Cross-cutting research

- Oilseed analysis
- Economics
- Extension & Outreach



Biennial Canola = forage + fuel + feed meal crop over 2 seasons

1. Interseeded canola/peas 1 July - Aug 2010



Harvested:
 •1 T_{DM}/A silage
 •2200 lb seed/A

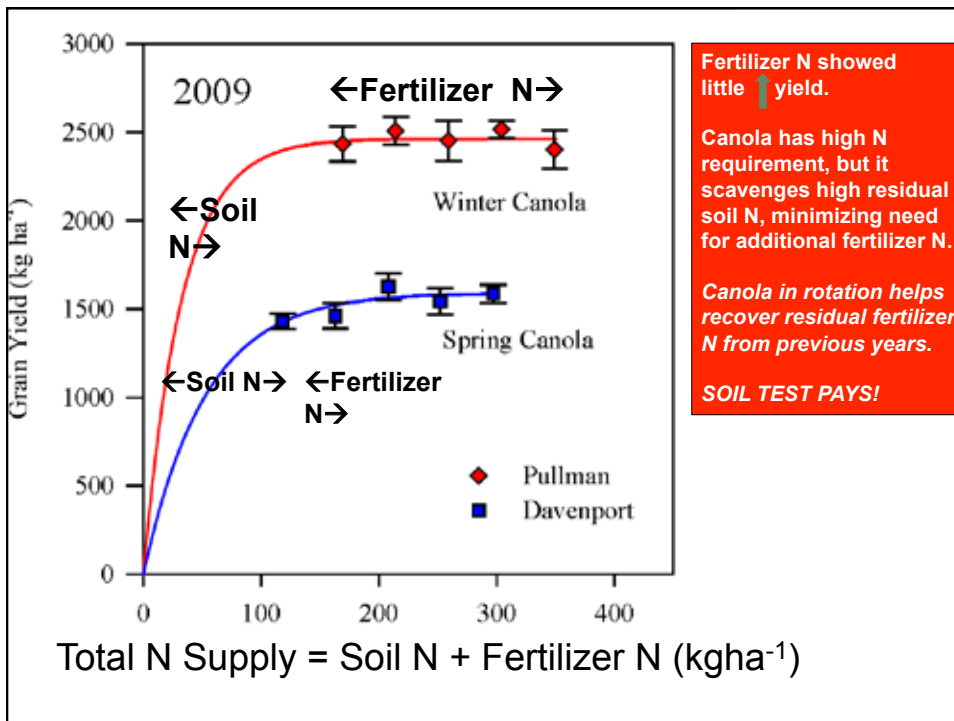
2. Canola & peas swathed, wilted, ensiled Sept 2010



High quality silage fed to dairy cows

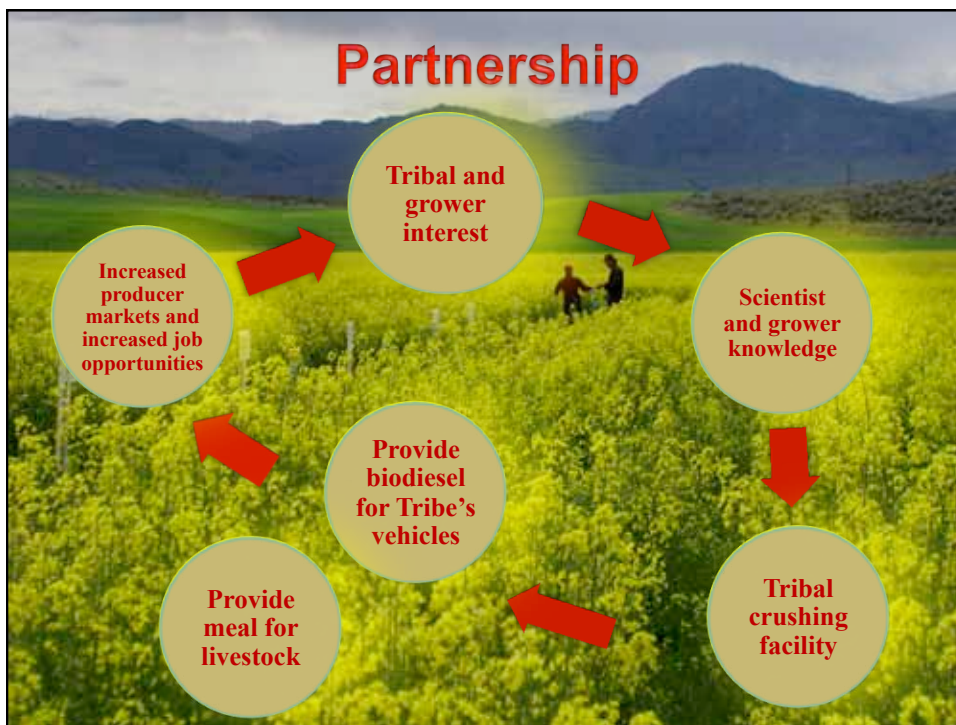


3. Canola regrowth and seed production in year 2
 June 2011



North Central WA

- Seeding date, rate, & methodology
 - Crop insurance
 - Plant when mother nature tells you
 - Multi-agency partnership



Economics!



Poor Wheat
 ≤ 20 bu/A



Wheat
74 bu/A

