

# Whitman Conservation District

## Crushing and Cost-Share

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## Where did we start and why?

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- The Whitman Conservation District Board of Supervisors look for ways to create a sustainable farm through different farming systems, alternative crops and rotations, and conservation practices.

## Phase I: Oilseed Survey-What is Breakeven?

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- In 2003, 22 producers were surveyed regarding their farming system and economics of including an oilseed crop in their rotation. Rainfall zones ranged from 10" – 26".
- Resulted in a WSU published bulletin, "Cost of Producing Canola and Mustard Oilseeds in Eastern Washington and North Central Idaho"; updated in 2006 to reflect more current costs.  
<http://farm-mgmt.wsu.edu/PDF-docs/nonirr/eb1960.pdf>
- The 2006 breakeven cost was 12-15¢/pound, depending on rainfall zone and farming system.



## Phase II: Oilseed Farm-to-Market Demonstration?

- In 2005 funding was received to continue the project with two objectives in mind:
  - Increase awareness of the benefits of oilseed crops within a rotation. (agronomics)
  - Increase general information on the value-added opportunities in oilseed crops. (economics)



# Phase II: *Oilseed Farm-to-Market Demonstration*

## ● Project By-Product Outcomes:

### • 2006

- By-Product Combined Sale \$0.1575/pound
  - Oil Sale \$2.65/gallon
  - Meal Sale \$150/ton
- Contract Seed Price \$0.15/pound



### • 2007

- By-Product Combined Sale \$0.160/pound
  - Oil Sale \$0.38/pound
  - Meal Sale \$200/ton
- Contract Seed Price \$0.18/pound

### • 2008

- By-Product Combined Sale \$0.165/pound
  - Oil Sale \$0.31/pound
  - Meal Sale \$225/ton
- Contract Seed Price \$0.25/pound



# KOMET Oil Expeller

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- Portable, Variable Speed (up to 1 ton of crushing per day)
- Two sizes of Augers
- Multiple Meal Nozzles
- 12-Hour Rotation (hopper and feed bag change)
- Available for rent



## Phase III: Home Grown Fuel

- In 2010, funding was received to move the Project on-farm in real time.
- The partnership includes Steve Camp, Whitman Conservation District, WSU Cooperative Extension, and Dennis Roe.
- *Home Grown Fuel* will demonstrate the sustainability and cost-effectiveness of growing and processing locally grown crops for small, on-the-farm production of biodiesel.
- The on-farm production will be approached as a 'system':
  - Direct Seed
  - Camelina Crop Production
  - Seed Crushing Process
  - Production of Biodiesel from Oil
  - Using Created Biodiesel On-Farm
  - Selling By-Product – Meal



# Whitman Conservation District Cost-Share Program

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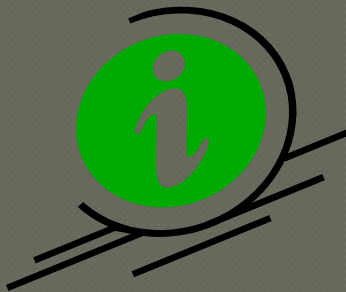
- Residue Management (Change to Present System)
  - Mulch Till, No Till and Direct Seed
  - 200 Acre Maximum
  - \$20/Acre
  - One Time Payment
- Crop Rotation (Oilseed)
  - 100 Acre Maximum
  - \$25/Acre
  - One Time Payment



## Whitman Conservation District Brochures

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- District Brochure
- Cost-Share Brochure
- Benefits of Adding an Oilseed Crop to Your Rotation
- Final Report on Oilseed Farm-to-Market Demonstration
- Home Grown Fuel Project Summary



<http://whitmancd.scc.wa.gov>