

Whitman Conservation District

Crushing and Cost-Share

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Where did we start and why?



- 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?

- 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

- 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



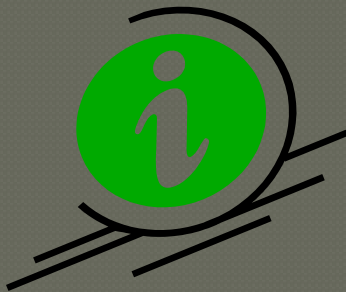
Whitman Conservation District Cost-Share Program

- 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

- 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>