'Farm economics of HOLL Oilseed rape in Northern Europe'

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WOSR – High Oleic, Low Linolenic (HOLL) Profile



WOSR HOLL Crop

- The HOLL, High Oleic, Low Linolenic acid oil profile, is well known as HO in sunflower
- Extends geographical HOLL production for farmers and crushers /> /
- New market outlet for the oilseed rape crop
- Primary uses convenience and snack food industry, also biolubricants.

WOSR – HOLL Market Area Development

- Initially slow development
 - Selective launch OP varieties in 2006
 - Farmer area below 2,000ha
- Yield impact of trait integration
- Intensive breeding efforts by 2 partner companies
 - First hybrid launch in 2010
 - Commercial production in the Nordic countries, France, Germany, Austria and the UK.



Oil Market Volatility



Grower Uptake

- Initial concern over field management
- Yield performance is major limit to farmer
- New development hybrids demonstrate yield parity to the best non-HOLL varieties

WOSR HOLL variety performance - Regional NL1 Gross Output 2012 (UK Official Trials series) As % Controls (4 Recommended List official Commercial Checks)



Farmer Survey

- Sample Countries: Denmark, Sweden, UK
- Sample size: 30:30:30
- Sample origin: Farmers on the Vistive TM QA Database
- Questions: Input Costs, Output Value, Margin
- Establishment Costs: No difference HOLL: Conventional
- Variable Costs: No difference HOLL: Conventional



Farmer Survey Questions

- Survey Questions & Responses:
- Why are you growing HOLL WOSR?:
 - Interested in different market for the crop
 - Potential to make more money
 - Secure premium + market
 - Food chain input
 - Know the end user
 - Can be the future crop
- Which factors made you hesitate?:
 - Yield vs. Conventional
 - Isolation and weed control
 - Specific storage
 - Movement off farm
- With yield parity how will this affect your decision to grow HOLL WOSR in the future?:
 - 80% grow an increased area
 - 20% stay the same (rotation, spread risk like milling wheat, already 100% WOSR is HOLL, sustainability of the market change)



On Farm Economics

Gross Margin after Establishment costs before Overhead costs

Summary

- Barriers to entry
 - yield shortfall
 - Field & Post-harvest management questions
- Yield Shortfall
 - Field differential < trials differential
 - Initial Crusher/Merchant offers compensated
 - Hybrid introduction raised HOLL WOSR yields
- Field & Post-harvest Management
 - Field Management is 'Best Practice'
 - Similarity to Milling wheat
 - Entry + Uptake influences by storage farm or merchant
 - Crusher: Merchant relationship important
- Potential for future growth

Global Markets – Canada – could this be a future vision for HOLL WOSR in Europe????



Source: Statistics Canada + Stratus + BPI + MC forecast

Thank you





