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BIOFUELS IN WASHINGTON

An Agricultural Perspective







	Why Biofuels?	
•	Renewable More carbon neutral	
•	 Domestically Grown Reduced reliance on imports Enhanced national security Economic opportunity, esp. rural areas 	Y
•	Reduced Emissions	
•	Biodiesel Biodegradable (nontoxic) Safer (less flammable) Increased lubricity	Harvesting CLEAN ENERGY























Canola Benefits for Growers

- Reduces weed problems
- Disrupts disease regime
- Deep taproots loosen hardpan, improve water retention, reduce irrigation
- Yield gains of ~20% in following wheat or potato crops
- Spreads labor over time (planting and harvesting times differ from wheat)
- Washington is feedstock deficient, so meal will reduce feed imports
- Price for organic canola meal booming, 3-4 times higher due to organic dairies







Biodio gal/a	esel	# of acres for	
gal/a			
<u></u>	acre	10 mgy facility	
Soybean	100	100,000	
Spring Mustards / Canola	125	80,000	
Safflower / Winter Canola	200	50,000	h



Seed price/lb	Irrigated acres	Gallons produced	Pump price	% WA diesel	
\$0.10	<80,000	15 MGY	\$1.80 - \$1.90	<2%	
\$0.14	~180,000	35 MGY	\$2.15 - \$2.25	<4%	
\$0.20	>500,000	100 MGY	\$2.60 - \$2.70	10%	









