



Northeastern Colorado-Proso Millet Reduced-Till in a Two-Crop in Three Year Rotation

Estimated Production Costs & Returns

2015

GROSS RECEIPTS FROM PRODUCTION

GROSS RECEIPTS	Unit	Price	Yield	Per Acre	Per CWT	YOUR FARM
PROSO MILLET	CWT	\$3.30	55.0	\$181.50	\$3.30	
CROP INSURANCE INDEMNITY						
Total Receipts				\$181.50	\$3.30	\$0

DIRECT COSTS

	Unit	Cost/ Unit	Quantity	Cost Per Acre	Cost Per CWT	YOUR FARM
<i>OPERATING PREHARVEST</i>						
SEED	DOLS	4.13	1.00	4.13	0.08	
FERTILIZER	DOLS	15.93	1.00	15.93	0.29	
HERBICIDE	DOLS	12.30	1.00	12.30	0.22	
CUSTOM APPLICATION	DOLS	7.00	1.00	7.00	0.13	
CROP INSURANCE	DOLS	11.00	1.00	11.00	0.20	
FUEL	DOLS	5.62	1.00	5.62	0.10	
REPAIR & MAINTENANCE	DOLS	4.90	1.00	4.90	0.09	
LABOR	DOLS	2.48	1.00	2.48	0.05	
INTEREST EXPENSE ²	DOLS	2.22	1.00	2.22	0.04	
Total Pre-Harvest Expenses				65.58	1.19	\$0

<i>HARVEST COSTS</i>						
FUEL	DOLS	9.41	1.00	9.41	0.17	
REPAIR & MAINTENANCE	DOLS	7.86	1.00	7.86	0.14	
LABOR	DOLS	4.11	1.00	4.11	0.07	
HAULING ¹	DOLS	22.00	1.00	22.00	0.40	
Total Harvest Costs				43.38	0.79	

Total Operating Costs				108.96	1.98	\$0
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<i>PROPERTY & OWNERSHIP COSTS</i>						
MACHINERY OWNERSHIP COSTS	DOLS	43.44	1.00	43.44	0.79	
GENERAL FARM OVERHEAD	DOLS	10.00	1.00	10.00	0.18	
REAL ESTATE TAXES	DOLS	2.39	1.00	2.39	0.04	
Total Property & Ownership Costs				55.83	1.02	\$0

Total Direct Costs				164.79	3.00	\$0
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NET RECEIPTS BEFORE FACTOR PAYMENTS				16.71	0.30	\$0
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<i>FACTOR PAYMENTS</i>						
Land @ 4%				40.00	0.73	

RETURN TO MANAGEMENT & RISK				(23.29)	(0.42)	\$0
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1 Hauling Machinery & Labor Charges=\$0.40/CWT

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES				
		\$/CWT				
ALTERNATIVE YIELDS		-25%	-10%	\$3.30	+10%	+25%
		\$ 2.48	\$ 2.97	\$	\$ 3.63	\$ 4.13
-25%	41.25	(\$62.70)	(\$42.28)	(\$28.67)	(\$15.05)	\$5.37
-10%	49.50	(\$42.28)	(\$17.78)	(\$1.44)	\$14.90	\$39.40
CWT	55.00	(\$28.67)	(\$1.44)	\$16.71	\$34.86	\$62.09
+10%	60.50	(\$15.05)	\$14.90	\$34.86	\$54.83	\$84.77
+25%	68.75	\$5.37	\$39.40	\$62.09	\$84.77	\$118.80