



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

Estimated Production Costs & Returns **2016**

GROSS RECEIPTS FROM PRODUCTION

GROSS RECEIPTS	UNIT	PRICE	YIELD	PER ACRE	PER CWT	YOUR FARM
Proso Millet	cwt	\$5.78	57	\$329.46	\$5.78	
Crop Insurance Indemnity						
Total Receipts				\$329.46		\$0

DIRECT COSTS

	UNIT	COST PER UNIT	QUANTITY	PER ACRE	PER CWT	YOUR FARM
OPERATING PREHARVEST						
Seed						
Seed	dollars	4.01	1.00	4.01	0.07	
Crop Protection						
Fertilizer	dollars	14.02	1	14.02	0.25	
Herbicide	dollars	12.67	1	12.67	0.22	
Custom Application	dollars	7.00	1	7.00	0.12	
Crop Insurance	dollars	11.00	1	11.00	0.19	
Fuel	dollars	5.11	1	5.11	0.09	
Repairs & Maintenance	dollars	4.90	1	4.90	0.09	
Labor	dollars	2.55	1	2.55	0.04	
Interest (6 months @ 6.0%) ²	dollars	2.21	1	2.21	0.04	
Total Pre-Harvest Expenses				\$63.47	\$1.11	\$0.00
HARVEST COSTS						
Fuel	dollars	8.56	1	8.56	0.15	
Repair & Maintenance	dollars	7.86	1	7.86	0.14	
Labor	dollars	4.23	1	4.23	0.07	
Hauling ¹	bu	22.80	1	22.80	0.40	
Total Harvest Costs				\$43.45	\$0.76	\$0.00
Total Operating Costs				\$106.92	\$1.88	\$0.00
PROPERTY & OWNERSHIP COSTS						
General Farm Overhead	dollars	10.00	1	10.00	0.18	
Machinery Ownership Costs	dollars	43.44	1	43.44	0.76	
Real Estate Taxes	dollars	2.39	1	2.39	0.04	
Total Property & Ownership Costs				\$55.83	\$0.98	\$0.00
TOTAL DIRECT COSTS				\$162.75	\$2.86	\$0.00
NET RECEIPTS BEFORE FACTOR PAYMENTS				\$166.71	\$2.92	\$0.00
FACTOR PAYMENTS						
Land (\$5,000 @ 4%)				40.00	0.70	
RETURN TO MANAGEMENT & RISK				\$126.71	\$2.22	\$0.00

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%

3 Includes allocation of fallow acres in the rotation

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

ALTERNATIVE YIELDS		ALTERNATIVE PRICES (\$/cwt)				
		-25%	-10%	10%	25%	
		\$4.34	\$5.20	\$5.78	\$6.36	\$7.23
-25%	42.75	\$22.57	\$59.64	\$84.35	\$109.05	\$146.12
-10%	51.30	\$59.64	\$104.11	\$133.76	\$163.42	\$207.89
CWT	57.00	\$84.35	\$133.76	\$166.71	\$199.66	\$249.08
10%	62.70	\$109.05	\$163.42	\$199.66	\$235.90	\$290.26
25%	71.25	\$146.12	\$207.89	\$249.08	\$290.26	\$352.03