

Western - Silage Corn (Irrigated)

2016

Estimated Production Costs & Returns

GROSS RECEIPTS FROM PRODUCTION						
GROSS RECEIPTS	UNIT	PRICE	YIELD	PER ACRE	PER TON	YOUR FARM
Corn	ton	\$38.88	26	\$1,011	\$38.88	
Other						
Total Receipts				\$1,011		\$0

DIRECT COSTS

	UNIT	COST PER UNIT	QUANTITY	PER ACRE	PER TON	YOUR FARM
OPERATING PREHARVEST						
Tillage						
Disk	acre	16.00	2	32.00	1.23	
Plow	acre	19.00	1	19.00	0.73	
Roller Harrow	acre	15.00	1	15.00	0.58	
Seed (certified)	dollars	115.00	1	115.00	4.42	
Plant	dollars	20.00	1	20.00	0.77	
Fertilizer						
N + P + K	dollars	102.06	1	102.06	3.93	
Custom Application	dollars	7.00	1	7.00	0.27	
Sidedress	dollars	15.00	1	15.00	0.58	
Custom Application	dollars	10.00	1	10.00	0.38	
Herbicide (roundup)	dollars	7.00	2	14.00	0.54	
Custom Application	acre	15.00	2	30.00	1.15	
Insecticide	dollars	32.00	1	32.00	1.23	
Custom Application	acre	15.00	1	15.00	0.58	
Irrigation						
Water Assessment	dollars	33.00	1	33.00	1.27	
Labor	dollars	30.00	1	30.00	1.15	
Crop Insurance	dollars	28.00	1	28.00	1.08	
Fuel	dollars	25.00	1	25.00	0.96	
Repairs & Maintenance	dollars	12.32	1	12.32	0.47	
Interest Expense (6 months @ 6%)	dollars	16.63	1	16.63	0.64	
Total Pre-Harvest Expenses				\$571.01	\$21.96	\$0.00
HARVEST COSTS						
Harvest (chop, haul, pack, cover)	acre	356.25	1	356.25	13.70	
Total Harvest Costs				\$356.25	\$13.70	\$0.00
Total Operating Costs				\$927.26	\$35.66	\$0.00
PROPERTY & OWNERSHIP COSTS						
General Farm Overhead	dollars	55.00	1	55.00	2.12	
Depreciation	dollars	10.00	1	10.00	0.38	
Real Estate Taxes	dollars	19.30	1	19.30	0.74	
Total Property & Ownership Costs				\$84.30	\$3.24	\$0.00
TOTAL DIRECT COSTS				\$1,011.56	\$38.91	\$0.00
NET RECEIPTS BEFORE FACTOR PAYMENTS				(\$0.68)	(\$0.03)	\$0.00
FACTOR PAYMENTS						
Land (\$5,000 @ 4%)				200.00	7.69	
RETURN TO MANAGEMENT & RISK				(\$200.68)	(\$7.72)	\$0.00

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

		ALTERNATIVE PRICES (\$/ton)				
		-25%	-10%	10%	25%	
ALTERNATIVE YIELDS		\$29.16	\$34.99	\$38.88	\$42.77	\$48.60
-25%	19.5	(\$442.94)	(\$329.22)	(\$253.40)	(\$177.59)	(\$63.86)
-10%	23.4	(\$329.22)	(\$192.75)	(\$101.77)	(\$10.79)	\$125.68
TON PER ACRE	26.0	(\$253.40)	(\$101.77)	(\$0.68)	\$100.41	\$252.04
	10%	28.6	(\$177.59)	(\$10.79)	\$100.41	\$211.60
	25%	32.5	(\$63.86)	\$125.68	\$252.04	\$378.40