



Western - Onions (Drip Irrigated)

2016

Estimated Production Costs & Returns

GROSS RECEIPTS FROM PRODUCTION

GROSS RECEIPTS	UNIT	PRICE	YIELD	PER ACRE	PER CWT	YOUR FARM
Onions	cwt	\$8.50	550	\$4,675	\$8.50	
Other						
Total Receipts				\$4,675		\$0

DIRECT COSTS

	UNIT	COST PER UNIT	QUANTITY	PER ACRE	PER CWT	YOUR FARM
OPERATING PREHARVEST						
Tillage						
Plow	acre	18.00	1	18.00	0.03	
Roller Harrow	acre	12.00	3	36.00	0.07	
Roller Harrow (for drip tape)	acre	8.00	1	8.00	0.01	
Disk	acre	12.00	2	24.00	0.04	
Plane	acre	15.00	2	30.00	0.05	
Furrow	acre	12.00	1	12.00	0.02	
Install/Take out Drip Tape						
Lay Drip Tape	acre	50.00	1	50.00	0.09	
Hook-Up System	acre	80.00	1	80.00	0.15	
Additional System Assembly	acre	40.00	1	40.00	0.07	
Take Out Drip Tape	acre	80.00	1	80.00	0.15	
Seed						
Custom Planting	acre	12.00	1	12.00	0.02	
Fertilizer						
11-52-0 (Pre plant)	dollars	0.32	200	64.00	0.12	
Custom Application	acre	10.00	1	10.00	0.02	
32-0-0 & Ignite	dollars	258.00	3	774.00	1.41	
Custom Application	acre	10.00	1	10.00	0.02	
Herbicide & Insecticide						
Dakthal & Diazathon	dollars	66.00	3	198.00	0.36	
Custom Application	dollars	10.00	1	10.00	0.02	
Goal & Buctril	dollars	30.00	2	60.00	0.11	
Custom Application	acre	10.00	2	20.00	0.04	
Hand Weed	dollars	113.00	3	339.00	0.62	
Fungicide						
(Cu, Lannate, Movento, Tanos)	dollars	328.94	1	328.94	0.60	
Custom Application	acre	10.00	8	80.00	0.15	
Irrigation						
Water Assessment	dollars	45.00	1	45.00	0.08	
Labor	dollars	30.00	1	30.00	0.05	
Crop Insurance (NAP)	dollars	50.00	1	50.00	0.09	
Fuel	dollars	0.00	1	0.00	0.00	
Repairs & Maintenance	dollars	0.00	1	0.00	0.00	
Interest (6 months @ 7.5%)	dollars	109.65	1	109.65	0.20	
Total Pre-Harvest Expenses				\$3,033.59	\$5.52	\$0.00
HARVEST COSTS						
Custom Harvest	dollars	1,000.00	1	1,000.00	1.82	

Hauling	dollars	225.00	1	225.00	0.41	
Storage	dollars	245.00	1	245.00	0.45	
Sort/Bag	dollars	170.00	1	170.00	0.31	
Labor	dollars	200.00	1	200.00	0.36	
Total Harvest Costs				\$1,840.00	\$3.35	\$0.00
Total Operating Costs				\$4,873.59	\$8.86	\$0.00
PROPERTY & OWNERSHIP COSTS						
General Farm Overhead	dollars	65.00	1	65.00	0.12	
Depreciation	dollars	10.00	1	10.00	0.02	
Real Estate Taxes	dollars	23.45	1	23.45	0.04	
Total Property & Ownership Costs				\$98.45	\$0.18	\$0.00
TOTAL DIRECT COSTS				\$4,972.04	\$9.04	\$0.00
NET RECEIPTS BEFORE FACTOR PAYMENTS				(\$297.04)	(\$0.54)	\$0.00
FACTOR PAYMENTS						
Land (\$5000 @ 4%)				200.00	0.36	
RETURN TO MANAGEMENT & RISK				(\$497.04)	(\$0.90)	\$0.00

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

ALTERNATIVE YIELDS		ALTERNATIVE PRICES (\$/cwt)				
		-25%	-10%	10%	25%	
		\$6.38	\$7.65	\$8.50	\$9.35	\$10.63
-25%	412.5	(\$2,342.35)	(\$1,816.41)	(\$1,465.79)	(\$1,115.16)	(\$589.23)
-10%	495.0	(\$1,816.41)	(\$1,185.29)	(\$764.54)	(\$343.79)	\$287.34
CWT PER ACRE	550.0	(\$1,465.79)	(\$764.54)	(\$297.04)	\$170.46	\$871.71
10%	605.0	(\$1,115.16)	(\$343.79)	\$170.46	\$684.71	\$1,456.09
25%	687.5	(\$589.23)	\$287.34	\$871.71	\$1,456.09	\$2,332.65