

Southeast - Yellow & White Onions (Furrow Irrigation)

2016

Estimated Production Costs & Returns

GROSS RECEIPTS FROM PRODUCTION

GROSS RECEIPTS	UNIT	PRICE	YIELD	PER ACRE	PER SACK YOUR FARM
Onions (50 lb sacks)	sack	\$7.00	600	\$4,200	\$7.00
Other					
Total Receipts				\$4,200	\$0

DIRECT COSTS

	UNIT	COST PER		PER ACRE	PER SACK YOUR FARM	
		UNIT	QUANTITY			
OPERATING PREHARVEST						
Tillage						
Disk	acre	10.00	2	20.00	0.03	
Plow	acre	22.00	1	22.00	0.04	
Disk	acre	10.00	2	20.00	0.03	
Level	acre	15.00	1	15.00	0.03	
Furrow	acre	15.00	1	15.00	0.03	
Cultivate	acre	10.00	2	20.00	0.03	
Seed						
Transplants + Labor	dollars	1,000.00	1	1,000.00	1.67	
Custom Planting	acre	12.00	1	12.00	0.02	
Fertilizer						
11-52-0, urea, potash, sulfur	dollars	80.00	1	80.00	0.13	
Custom Application	acre	10.00	1	10.00	0.02	
Herbicide						
"Dual + Prowl"	dollars	30.00	1	30.00	0.05	
Custom Application	dollars	10.00	1	10.00	0.02	
"Goal + Buctril"	dollars	30.00	1	30.00	0.05	
Custom Application	dollars	10.00	1	10.00	0.02	
Insecticide & Fungicide						
Chemicals	dollars	25.00	1	25.00	0.04	
Aerial Application	dollars	6.00	1	6.00	0.01	
Irrigation						
Water Assessment (surface)	dollars	30.00	1	30.00	0.05	
Labor (7 irrigations)	hours	10.00	7	70.00	0.12	
Crop Insurance	dollars	110.00	1	110.00	0.18	
Labor (hoeing)	dollars	10.00	7	70.00	0.12	
Fuel	dollars	0.00	1	0.00	0.00	
Repairs & Maintenance	dollars	0.00	1	0.00	0.00	
Interest (6 months @ 6.0%)	dollars	48.15	1	48.15	0.08	
Total Pre-Harvest Expenses				\$1,653.15	\$2.76	\$0.00
HARVEST COSTS						
Topping	sack	1.50	600	900.00	1.50	
Shed Cost (Haul+Grade+Marketing)	sack	5.00	600	3,000.00	5.00	
Total Harvest Costs				\$3,000.00	\$5.00	\$0.00
Total Operating Costs				\$4,653.15	\$7.76	\$0.00
PROPERTY & OWNERSHIP COSTS						
General Farm Overhead	dollars	65.00	1	65.00	0.11	
Depreciation	dollars	10.00	1	10.00	0.02	
Real Estate Taxes	dollars	23.00	1	23.00	0.04	
Total Property & Ownership Costs				\$98.00	\$0.16	\$0.00
TOTAL DIRECT COSTS				\$4,751.15	\$7.92	\$0.00
NET RECEIPTS BEFORE FACTOR PAYMENTS				(\$551.15)	(\$0.92)	\$0.00
FACTOR PAYMENTS						
Land (\$5,000 @ 4%)				200.00	0.33	
RETURN TO MANAGEMENT & RISK				(\$751.15)	(\$1.25)	\$0.00

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

		ALTERNATIVE PRICES (\$/sack)					
		-25%	-10%	7.00	10%	25%	
SACKS PER ACRE	ALTERNATIVE YIELDS	\$5.25	\$6.30	\$7.00	\$7.70	\$8.75	
	-25%	450.00	(\$2,388.65)	(\$1,916.15)	(\$1,601.15)	(\$1,286.15)	(\$813.65)
	-10%	540.00	(\$1,916.15)	(\$1,349.15)	(\$971.15)	(\$593.15)	(\$26.15)
	10%	600.00	(\$1,601.15)	(\$971.15)	(\$551.15)	(\$131.15)	\$498.85
	25%	660.00	(\$1,286.15)	(\$593.15)	(\$131.15)	\$330.85	\$1,023.85
		750.00	(\$813.65)	(\$26.15)	\$498.85	\$1,023.85	\$1,811.35