## TOMATOES, STAKED: FRESH MARKET, TRICKLE IRRIGATED

Kentucky Estimated Costs and Returns for 2017

Approximately 0.10 acres (8 100-ft rows)

NOT TO BE CONSIDERED CROPPING RECOMMENDATIONS OR PROFITABILITY PROJECTIONS. FOR COMPARISON AND PLANNING PURPOSES ONLY.

Quantity Unit

\$/Unit

Total



GROSS RETURNS	Quantity	Offic		φ/ΟΠΙΙ		iolai	1	
Tomatoes	2400	lbs	\$	2.00	\$ 4	4,800.00	a.b	
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Total Returns					\$ 4	4,800.00	Ι.	
VARIABLE COSTS								Your Numbers
Production								
Plants		plants			\$	160.00		
Transplant & Staking Labor		hours			\$	150.00		
N Fertilizer: Preplant Urea		lbs	\$	0.40	\$	4.00		
Starter Liquid Fertilizer		lbs	\$		_	2.70		
N Fertilizer: Calcium Nitrate fertigation		lbs	\$	0.45	\$	27.00		
Black Plastic/Drip Lines		feet	\$		\$	64.00		
Stakes & Twine		plot		220.00	\$			
Weed Control		plot		54.28	\$	54.28		
Insect Control		plot		26.45	_	26.45		
Disease Control		plot		71.97	\$	71.97		
Irrigation		hrs.	\$	0.40	\$	3.60		
Machinery Variable Costs	1	plot	\$	9.25	\$	9.25	f	
Total Preharvest Variable Costs					\$	793.25		
HARVESTING AND MARKETING								
Boxes	120	boxes	\$	1.25	\$	150.00	1	
Harvest Lugs/Buckets		each			\$	40.00	1	
Plastic Disposal		hours		12.50	\$	25.00	1	
1					\$	-	1	
Hired Labor							1	
Harvest	\$ 1.85	box			\$	222.00	g	
Grade/Pack	\$ 0.75	box			\$	90.00	g	
Marketing Costs (10% of Gross)	10.0%	gross			\$	480.00	1	
Hauling Variable Costs		miles	\$	0.55	\$	165.00	f	
Total Harvesting and Marketing Cost					\$ 1	1,172.00	1	
Interest on Variable Costs					\$	41.38	1	
TOTAL VARIABLE COST					\$ 2	2,006.63	1	
RETURN ABOVE VARIABLE COSTS					\$2	2,793.37		
FIXED COSTS								
Machinery and Equipment					\$	48.43	f	
Harvest Crate Replacement					\$	40.00		
Depreciation on Irrigation System					\$	109.47	1	
Taxes on Land					\$	1.00	1	
Insurance					\$	24.00	1	
TOTAL FIXED COSTS					_	222.90	1	
TOTAL EXPENSES						2,229.52	1	
RETURN TO OPERATOR LABOR, LAND	, CAPITA	L, & M	GT			2,570.48	1	
Operator and Unpaid Family Labor		hrs.	_	15.00	_	750.00	1	
RETURN TO LAND, CAPITAL, AND MA			Ė		_	1,820.48	1	
			Ь—		7	.,	1	

- a Reflects average to above-average yields for plasticulture.
- b Price based on Kentucky farmers market prices and auction trends.
- c Assumes total cost of stakes and twine in this initial year. Amortizing cost of stakes, or using owned stakes, will reduce this variable cost.
- d Based on 2017 UK estimate for trickle irrigation.
- e Pesticide costs based on one acre of recommended applications are as follows: Herbicide \$4.28; Insecticide \$11.45; Fungicide \$56.97. These values assume extra labor costs.
- f Machinery costs based on typical operations and 2017 machinery costs, according to machinery cost generator; this value is one-fifth of large-scale budgeted machinery costs per acre.
- g Based on past Kentucky budgets with increases for increasing wage rates; compares similarly to tomato labor estimates from university budgets published in South Carolina, N.C., Pennsylvania, Georgia and Mississippi.