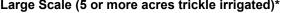
TOMATOES, STAKED: FRESH MARKET, TRICKLE IRRIGATED Kentucky Estimated per Acre Costs and Returns for 2016 Large Scale (5 or more acres trickle irrigated)*



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

Quantity



GROSS RETURNS	Quartity	I		Ψ/ΟΤΙΙΙ		Total	1	Hired Labor	
Tomatoes (25# box)	1600	box	\$	14 00	\$	22 400 00	l a h	for picking	6.75 boxes/hour
Torridioes (2011 BOX)	1000	DOX	Ψ	14.00	Ψ	22,400.00	u,b	lor picking	0.70 00000711001
VARIABLE COSTS							ŀ	Vour	Numbers
Production					┢		ł	10ui	Numbers
Plants	1.5	1000	•	200.00	¢	900.00			
Transplant & Staking Labor		hours	\$ \$	12.50		1,562.50	ŀ		
N Fertilizer: Preplant Urea	100		\$	0.40		40.00	ł		
Starter Liquid Fertilizer		lbs	\$	3.00		27.00	ł		
N Fertilizer: Calcium Nitrate fertigation	520		\$	0.45	_	234.00	<u>_</u>		
Black Plastic/Drip Lines			_	515.00		515.00			
Stakes & Twine		acre acre	\$	1,775.00		1,775.00			
Herbicides (row middles only)		acre	\$	38.92		38.92			
Insecticides (Tow Initiaties Only)		acre	\$	104.08		104.08			
Fungicides		acre	\$	517.92		517.92			
Irrigation Costs		hrs. acre	\$	0.40 46.23		36.00 46.23	C		
Machinery Variable Costs	1	acre	Ф	46.23	\$		ľ		
Total Preharvest Variable Costs					Þ	5,796.65	l		
	1						ļ		
HARVESTING AND MARKETING			_		Ļ		ļ		
Boxes		boxes	\$	1.25		2,000.00	ļ		
Harvest Lugs/Buckets		each	\$	8.00		160.00			
Plastic Disposal	18	hours	\$	12.50	\$	225.00	ļ		
Hired Labor					Ļ		ļ		
Harvest	\$ 1.85				\$	2,962.96			
Grade/Pack	\$ 0.75				\$	1,200.00	g		
Marketing Costs (10% of Gross)	10.0%		_		\$	2,240.00			
Hauling Variable Costs	1600	boxes	\$	0.07	\$	112.00	f		
Total Harvesting and Marketing Cost					\$	8,899.96	ļ		
Interest on Variable Costs					\$	307.40	ļ		
TOTAL VARIABLE COST						15,004.01	ļ		
RETURN ABOVE VARIABLE COSTS					\$	7,395.99			
							ļ		
FIXED COSTS									
Machinery and Equipment					\$	186.16	f		
Harvest Crate Replacement					\$	160.00	ľ		
Depreciation on Irrigation System					\$	328.40	İ		
Taxes on Land					\$	5.00	İ		
Insurance					\$	112.00	İ		
TOTAL FIXED COSTS					\$	791.56	İ		
TOTAL EXPENSES					\$	15,795.57	1		
RETURN TO OPERATOR LABOR, LAND, CAPITAL, & MGT.						6,604.43	l		
Operator and Unpaid Family Labor		hrs.	<u>:.</u> \$	15.00	\$	1,500.00	İ		
RETURN TO LAND, CAPITAL, AND MANAGEMENT					\$	5,104.43	İ		
ILLICATIO ENTE, OAI HAL, AITE MAI			Щ_		ĮΨ	5, 154.45	ı		

Unit

\$/Unit

Total

- a Reflects average to above-average yields for plasticulture.
- b Price based on USDA season average price and Ky. auction prices, 2016.
- 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 2015 UK estimate for trickle irrigation and 2017 irrigation setup cost estimate.
- e Pesticide costs based on recommended applications of various products using 2017 product costs.
- f Machinery costs based on typical operations and 2017 machinery costs, according to machinery cost generator.
- 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.
- h Fertilizer assumption: 11.5 pounds of calcium nitrate per 1,000 plants per week.
- * Farm has 5 or more acres total in trickle-irrigated crops