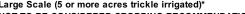
TOMATOES, STAKED: FRESH MARKET, TRICKLE IRRIGATED Kentucky Estimated per Acre Costs and Returns for 2022 Large Scale (5 or more acres trickle irrigated)* NOT TO BE CONSIDERED CROPPING RECOMMENDATIONS OR PROFITABILITY



PROJECTIONS. FOR COMPARISON AND PLANNING PURPOSES ONLY. Quantity Unit



	Quantity	UIIIL	_	φ/UIIII	_	TOTAL	
GROSS RETURNS					_		
Tomatoes (25# box)	1600	box	\$	15.00	\$	24,000.00	a,b Hired Labor 6.75 boxes/hou
							for Picking
VARIABLE COSTS							Your Numbers
Production							
Plants	4.5	1000	\$	200.00	\$	900.00	
Transplant & Staking Labor	125	hours	\$	16.50	\$	2,062.50	
N Fertilizer: Preplant Urea	100	lbs	\$	0.40	\$	40.00	
Starter Liquid Fertilizer	9	lbs	\$	6.50	\$	58.50	
N Fertilizer: Calcium Nitrate fertigation	520	lbs	\$	0.60	\$	312.00	h
Black Plastic/Drip Lines		acre	\$	653.00	\$	653.00	
Stakes & Twine		acre				1,775.00	
Herbicides (row middles only)		acre	\$	70.15		70.15	
Insecticides		acre	\$		\$	73.92	· -
Fungicides	1		\$	552.60	_	552.60	\ <u> </u>
Irrigation		hrs.	\$		\$	45.00	
Machinery Variable Costs		acre	\$	62.35	_	62.35	
Total Preharvest Variable Costs		doro	Ψ	02.00		6,605.02	'
Total Ficharvest Variable Costs					Ψ	0,000.02	
HARVESTING AND MARKETING		1					
HARVESTING AND MARKETING	4000	hav	r	4.50	٠	0.400.00	
Boxes		boxes		1.50		2,400.00	
Harvest Lugs/Buckets		each	\$	9.50	\$	190.00	
Plastic Disposal	18	hours	\$	16.50	\$	297.00	
Hired Labor					_		
Harvest	\$ 2.44					3,911.11	
Grade/Pack	\$ 1.00					1,600.00	g
Marketing Costs (10% of Gross)	10.0%					2,400.00	
Hauling Variable Costs	1600	boxes	\$	0.10	\$	160.00	f
Total Harvesting and Marketing Cost					4	10,958.11	
Total Harvesung and Marketing Cost					Ψ	10,330.11	
Interest on Variable Costs					\$	362.52	
TOTAL VARIABLE COST					•	47 00E CE	
TOTAL VARIABLE COST					P	17,925.65	
RETURN ABOVE VARIABLE COSTS					\$	6,074.35	
FIXED COSTS							
Machinery and Equipment					\$	271.93	f
Harvest Crate Replacement					\$	190.00	
Depreciation on Irrigation System					\$	392.86	
Taxes on Land					\$	5.00	
Insurance					\$	120.00	
TOTAL FIXED COSTS					\$	979.79	
TOTAL EXPENSES					\$	18,905.44	
RETURN TO OPERATOR LABOR, LAND, CAPITAL, & MGT.					•	5.004.50	
KETURN TO OPERATOR LABOR, LAN	D, CAPITA	L, & MC	۱۱.		\$	5,094.56	
Operator and Unpaid Family Labor	100	hrs.	\$	16.50	\$	1,650.00	
RETURN TO LAND, CAPITAL, AND MANAGEMENT					¢	3.444.56	
ILLIGINATO LAND, CAFTIAL, AND MANAGEMENT					Ą	J,444.30	l L

\$/Unit

- a Reflects average to above-average yields for plasticulture.
- b Price based on USDA season average price and Ky. auction prices, 2022.
- c Assumes total cost of stakes and twine in this initial year. Amortizing cost of stakes, or using owned stakes, will reduce this
- d Based on 2015 UK estimate for trickle irrigation and 2017 irrigation setup cost estimate, updated 2022.
- e Pesticide costs based on recommended applications of various products using 2022 product costs.
- f Machinery costs based on typical operations and 2022 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