## TOMATOES, STAKED: FRESH MARKET, TRICKLE IRRIGATED

Kentucky Estimated Costs and Returns for 2022
Approximately <u>0.10 acres</u> (8 100-ft rows)
NOT TO BE CONSIDERED CROPPING RECOMMENDATIONS OR PROFITABILITY
PROJECTIONS. FOR COMPARISON AND PLANNING PURPOSES ONLY.



Comparison   Com		Quantity	Unit		\$/Unit		Total		
Total Returns	GROSS RETURNS								
Variable Costs   Value Numbers   Value Numbe	Tomatoes	2400	lbs	\$	2.00	\$	4,800.00	a,t	כ
Variable Costs   Value Numbers   Value Numbe						L			
Production	Total Returns					\$	4,800.00		
Production	VARIARI E COSTS								Your Numbers
Plants						t		ł	Tour Numbers
Transplant & Staking Labor		400	nlante	2	0.40	2	160.00	ł	
N Fertilizer: Preplant Urea				_		_		ł	
Stater Liquid Fertilizer				_		_		ł	
N Fertilizer: Calcium Nitrate fertigation   So   bs   \$ 0.65   \$ 39.00				_		_		ł	
Black Plastic/Drip Lines				_		_		ł	
Stakes & Twine	•			_		_		١.	
Weed Control				_					
Insect Control				_		_		+	
Disease Control   1   plot   \$ 71.76   \$ 71.76   e   d   Imigation   9   hrs.   \$ 0.65   \$ 5.85   d   d   Machinery Variable Costs   1   plot   \$ 12.47   \$ 12.47   f   Total Preharvest Variable Costs   2   plot   \$ 12.47   \$ 12.47   f   Total Preharvest Variable Costs   891.14   f   Total Preharvest Variable Costs   891.14   f   Total Preharvest Variable Costs   \$ 1.50   \$ 180.00   maketing Disposal   2   hours   \$ 16.50   \$ 33.00   maketing Costs   \$ 10.00   box   \$ 300.00   g   g   maketing Costs   \$ 10.00   maketing Costs   \$ 10.00   g   miles   \$ 0.60   \$ 180.00   f   miles   \$ 0.60   f   miles   \$ 0.60   f   miles   \$ 0.60   f   miles				_				•	
Irrigation				_		_			
Machinery Variable Costs						·			
Sample   S								d	
HARVESTING AND MARKETING   Boxes	•	1	plot	\$	12.47	\$		f	
Boxes	Total Preharvest Variable Costs					\$	891.14	l	
Boxes								l	
Harvest Lugs/Buckets	HARVESTING AND MARKETING								
Plastic Disposal	Boxes	120	boxes	\$	1.50	\$	180.00	I	
Hired Labor	Harvest Lugs/Buckets	5	each	\$	9.50	\$	47.50	Ī	
Harvest	Plastic Disposal	2	hours	\$	16.50	\$	33.00	Ī	
Harvest	·							Ī	
Grade/Pack	Hired Labor							İ	
Grade/Pack	Harvest	\$ 2.50	box			\$	300.00	q	
Marketing Costs (10% of Gross)   10.0% gross   \$ 480.00	Grade/Pack		box			\$			
Hauling Variable Costs   300 miles   \$ 0.60   \$ 180.00   f						_		Ĭ	
Total Harvesting and Marketing Cost				\$	0.60	_		f	
Interest on Variable Costs				Ť		_		ľ	
TOTAL VARIABLE COST \$ 2,278.48  RETURN ABOVE VARIABLE COSTS \$ 2,521.52  FIXED COSTS  Machinery and Equipment \$ 55.99 f Harvest Crate Replacement \$ 50.00 Depreciation on Irrigation System \$ 130.95 Taxes on Land \$ 1.00 Insurance \$ 24.00 TOTAL FIXED COSTS \$ 261.94  TOTAL EXPENSES \$ 2,540.43  RETURN TO OPERATOR LABOR, LAND, CAPITAL, & MGT. \$ 2,259.57  Operator and Unpaid Family Labor \$ 50 hrs. \$ 16.50 \$ 825.00	Total Harvooting and markoting coot					۲	1,040.00	t	
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### RETURN ABOVE VARIABLE COSTS    \$ 2,521.52	TOTAL VARIABLE COST	<del> </del>				¢	2 278 48	ł	
Machinery and Equipment   \$ 55.99   f	TOTAL VARIABLE COST			-		Ψ	2,210.40	ł	
Machinery and Equipment   \$ 55.99   f	RETURN ABOVE VARIABLE COSTS					\$	2.521.52	Ì	
Machinery and Equipment         \$ 55.99 f           Harvest Crate Replacement         \$ 50.00           Depreciation on Irrigation System         \$ 130.95           Taxes on Land         \$ 1.00           Insurance         \$ 24.00           TOTAL FIXED COSTS         \$ 261.94           TOTAL EXPENSES         \$ 2,540.43           RETURN TO OPERATOR LABOR, LAND, CAPITAL, & MGT.         \$ 2,259.57           Operator and Unpaid Family Labor         50 hrs.         \$ 16.50         \$ 825.00				1		Ť	_,0	t	
Machinery and Equipment         \$ 55.99 f           Harvest Crate Replacement         \$ 50.00           Depreciation on Irrigation System         \$ 130.95           Taxes on Land         \$ 1.00           Insurance         \$ 24.00           TOTAL FIXED COSTS         \$ 261.94           TOTAL EXPENSES         \$ 2,540.43           RETURN TO OPERATOR LABOR, LAND, CAPITAL, & MGT.         \$ 2,259.57           Operator and Unpaid Family Labor         50 hrs.         \$ 16.50         \$ 825.00	EIXED COSTS								
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Depreciation on Irrigation System								l'	
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S   24.00		-				_		ł	
TOTAL FIXED COSTS         \$ 261.94           TOTAL EXPENSES         \$ 2,540.43           RETURN TO OPERATOR LABOR, LAND, CAPITAL, & MGT.         \$ 2,259.57           Operator and Unpaid Family Labor         50 hrs.         \$ 16.50         \$ 825.00		-	-	-		_		ł	
TOTAL EXPENSES \$ 2,540.43  RETURN TO OPERATOR LABOR, LAND, CAPITAL, & MGT. \$ 2,259.57  Operator and Unpaid Family Labor 50 hrs. \$ 16.50 \$ 825.00				-				ł	
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RETURN TO OPERATOR LABOR, LAND, CAPITAL, & MGT. \$ 2,259.57  Operator and Unpaid Family Labor 50 hrs. \$ 16.50 \$ 825.00				<u> </u>		Ļ		ļ	
Operator and Unpaid Family Labor 50 hrs. \$ 16.50 \$ 825.00	TOTAL EXPENSES			<u> </u>		\$	2,540.43	1	
Operator and Unpaid Family Labor 50 hrs. \$ 16.50 \$ 825.00						Ļ	0.05	ļ	
	RETURN TO OPERATOR LABOR, LAND,	CAPITAL,	, & MGT.			\$	2,259.57	1	
	Operator and Uppaid Family Labor	50	hre	<b>¢</b>	16.50	<b>¢</b>	825.00	ł	
RETURN TO LAND CAPITAL AND MANAGEMENT \$ 1 434 57	Operator and Oripaid Family Labor	30	1113.	φ	10.50	Ψ	023.00	t	
	RETURN TO LAND, CAPITAL, AND MANA	AGEMENT		t		\$	1.434.57	t	

- 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 updated 2022 UK estimate for trickle irrigation.
- e Pesticide costs based on one acre of recommended applications are as follows: Herbicide \$7.02; Insecticide \$7.39; Fungicide \$55.26. These values assume extra labor costs.
- f Machinery costs based on typical operations and 2022 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 S. Carolina, N. Carolina, Pennsylvania, Georgia and Mississippi.