## PUMPKIN, FRESH MARKET, TRICKLE IRRIGATED



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



	Quantity	Unit		\$/Unit		Total	-	
GROSS RETURNS							ļ	
Pumpkins (15-22 lbs)	200	pumpkins	\$	8.00	\$	1,600.00	a,b	
Pumpkins (8-15 lbs)	50	pumpkins	\$	5.00	\$	250.00	a,b	
Total Returns					\$	1,850.00		
VARIABLE COSTS							I	Your Numbers
Production							I	
Pumpkin Seed	250	seeds	\$	0.12	\$	30.00	T	
N Fertilizer: Urea	12	lbs	\$	0.40	\$	4.80	Ī	
K Fertilizer: Potash (0-0-60)	2	lbs	\$	0.60	\$	1.20	Ī	
N Fertilizer: Fertigation (Calcium Nitrate)	21	lbs	\$	0.65	\$	13.65	q	
Plastic Mulch	700	feet	\$	0.05	\$	35.00		
Drip Lines & Irrigation Fittings	700	feet		0.05	\$	37.10	с	
Pollination	0.33	hive		75.00	\$	24.75	ĥ	
Weed Control		plot		67.26	\$	67.26	÷	
Insect Control		plot		20.11	\$	20.11	÷	
Disease Control		plot		38.87	\$	38.87	•	
Irrigation	0.12			65.00	\$	7.80		
Hired Labor (Planting, Hand Weeding)		hrs.		16.50	\$	66.00	Ĭ	
Machinery Variable Costs		plot		12.32	\$	12.32	ē	
Total Preharvest Variable Costs		piot	Ψ	12.02	\$	358.86	Ŭ	
Total Trenarvest variable costs					Ψ	330.00	i i	
HARVESTING AND MARKETING								
Plastic Disposal	2	hours	\$	16.50	\$	33.00	1	
Hired Labor							İ	
Harvest & Field Grading	11	hrs	\$	16.50	\$	181.50	f	
Containers		bins		14.00	\$	70.00	1	
Marketing Costs (10% of Gross)	10.0%				\$	185.00	1	
Hauling Variable Costs		miles	\$	0.55	\$	110.00	е	
Total Harvesting and Marketing Cost					\$	579.50	1	
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Interest on Variable Costs					\$	19.46	t	
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TOTAL VARIABLE COST					\$	957.82	İ	
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RETURN ABOVE VARIABLE COSTS					\$	892.18	Ī	
FIXED COSTS							ľ	
Machinery and Equipment					\$	21.41	е	
Irrigation System Capital Recovery	1				\$	107.60	•	
Taxes on Land	1				\$	1.00	t i	
Insurance					\$	9.58	1	
TOTAL FIXED COSTS					\$	139.59	t	
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TOTAL EXPENSES					\$	1,097.41	1	
							l	
RETURN TO OPERATOR LABOR, LAND,	CAPITAL,	& MGT.			\$	752.59	l	
							l	
Operator and Unpaid Family Labor	10	hrs.	\$	16.50	\$	165.00	ļ	
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RETURN TO LAND, CAPITAL, AND MANA	AGEMENT				\$	587.59	l	<u> </u>

a Yields based on prior UK budget yield assumption.

b Price based on Kentucky farmers market and auction prices, 2022.

 ${\sf c}$  Fuel and power for irrigation system. Assumes established well or water source. Depreciation

fixed costs in capital recovery line.

d Pesticide costs based on recommended applications of various products using 2022 product costs.

e Machinery cost calculator updated for vegetable production in 2022.

f Based on state budgets with revisions by Kentucky vegetable experts.

g Fertilizer assumption: 8.5 lbs calcium nitrate per week per 1,000 plants.

h Hive rental rates are very dependent on local availability.