EGGPLANT, FRESH MARKET, TRICKLE IRRIGATED



Kentucky Estimated Costs and Returns for 2022 Trickle-irrigated, Hand-harvested, <u>100-foot row</u> NOT TO BE CONSIDERED CROPPING RECOMMENDATIONS OR PROFITABILITY PROJECTIONS. FOR COMPARISON AND PLANNING PURPOSES ONLY.

	Quantity	Unit	\$/Unit	Total		
GROSS RETURNS						
Eggplant	200	eggplant	\$ 1.75	\$ 350.00	a, b	
				\$-		
Total Returns				\$ 350.00		
VARIABLE COSTS					Your	Numbers
Production						
Eggplant Transplants	50	plants	\$ 0.35	\$ 17.50		
N Fertilizer: Urea		lbs	\$ 0.40	\$ 0.60		
K Fertilizer: Potash (0-0-60)	1	lbs	\$ 0.60	\$ 0.60		
N Fertilizer: Fertigation (Calcium Nitrate)	4.4	lbs	\$ 0.65	\$ 2.86	g	
Drip Lines & Irrigation Fittings	100	feet	\$ 0.10	\$ 10.00	c	
Weed Control		row	\$ 34.19	\$ 34.19	d	
Insecticides	1	row	\$ 11.03	\$ 11.03	d	
Fungicides	1	row	\$ 11.54	\$ 11.54	d	
Irrigation	10	hrs.	\$ 0.65	\$ 6.50	с	
Hired Labor (Planting)	1	hrs.	\$ 16.50	\$ 16.50	с	
Machinery Variable Costs	1	row	\$ 5.84	\$ 5.84	е	
Total Preharvest Variable Costs				\$ 117.16		
HARVESTING AND MARKETING						
Plastic Disposal	0.5	hours	\$ 16.50	\$ 8.25		
Hired Labor						
Harvest	8	box	\$ 1.65	\$ 13.20	f	
Packing	8	box	\$ 2.65	\$ 21.20	f	
Containers	8	boxes	\$ 1.60	\$ 12.80		
Marketing Costs (10% of Gross)	10%	gross		\$ 35.00		
Total Harvesting and Marketing Cost				\$ 90.45		
Interest on Variable Costs				\$ 4.87		
				¢ 040.40		
TOTAL VARIABLE COST				\$ 212.48		
RETURN ABOVE VARIABLE COSTS				\$ 137.52		
RETORN ABOVE VARIABLE COOTS				ψ 137.32		
FIXED COSTS						
Machinery and Equipment				\$ 10.34	~	
Irrigation System Capital Recovery				\$ 8.80		
Taxes on Land				\$ 1.00		
Insurance				\$ 2.12		
				ψ 2.12		
TOTAL FIXED COSTS				\$ 22.26		
TOTAL TIXED COSTS				φ 22.20		
TOTAL EXPENSES				\$ 234.75		
				ψ 234.73		
RETURN TO OPERATOR LABOR, LAND,	CAPITAL	& MGT		\$ 115.25		
A CONTRO OF ENTITION EADON, EAND,	SATIAL,	S 1001.		ψ 110.20		
Operator Labor (machinery and irrigation)	2	hrs.	\$ 16.50	\$ 33.00		
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RETURN TO LAND, CAPITAL, AND MANA	GEMENT			\$ 82.25		

a Yields based on UK variety trials and grower yield estimates.

b Price based on Kentucky farmers market prices

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. Fungicide program can vary.

e Machinery costs generator updated with 2022 fuel and equipment costs.

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

g Fertilizer assumption: 8.875 lb calcium nitrate per week per 1,000 plants.