CUCUMBER, FRESH MARKET, TRICKLE IRRIGATED

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



	Quantity	Unit		\$/Unit		Total		
GROSS RETURNS								
Cucumbers	150	pounds	\$	1.50	\$	225.00	a,b	
					\$	-		
Total Returns					\$	225.00	ĺ	
VARIABLE COSTS								Your Numbers
Production								
Cucumber Seed (F1)	100	seeds	\$	0.10	\$	10.00		
N Fertilizer: Urea	1.25		_	0.40	\$	0.50		
K Fertilizer: Potash (0-0-60)		lbs	\$	0.60	\$	0.60		
N Fertilizer: Fertigation (Calcium Nitrate)		lbs		0.65	\$	1.30	a	
Black Plastic/Drip Lines		feet	_	0.10	_	10.00		
Pollination		hive	_	75.00		7.50	1	
Weed Control		row	_	33.15	\$	33.15	1	
Insect Control	1			10.20	\$	10.20	1	
Disease Control		_	_	10.20	•	10.20	4	
		row hrs.	_		\$		4	
Irrigation Contact			\$	0.65	\$	1.30	4	
Machinery Variable Costs	1	row	\$	6.16	_	6.16	е	
Total Preharvest Variable Costs					\$	91.65		
	1	1						
HARVESTING AND MARKETING								
Plastic Disposal	0.5	hours	\$	16.50	\$	8.25		
Hired Labor								
Harvest	6	box	\$	1.65	\$	9.90	f	
Packing	6	box	\$	2.50	\$	15.00	f	
Boxes	6	boxes	\$	1.60	\$	9.60	ĺ	
Marketing Costs (10% of Gross)		gross			\$	22.50	1	
Other transportation/marketing costs	1	row	\$	-	\$	-	İ	
Total Harvesting and Marketing Cost					\$	65.25		
Interest on Variable Costs					\$	3.73		
TOTAL VARIABLE COST					\$	160.63		
RETURN ABOVE VARIABLE COSTS					\$	64.37		
	,							
FIXED COSTS	<u> </u>							
Machinery and Equipment					\$	11.26	е	
Irrigation System Capital Recovery					\$	9.88	С	
Taxes on Land					\$	1.00	1	
Insurance					\$	1.61	1	
TOTAL FIXED COSTS					\$	23.74		
TOTAL EXPENSES					\$	184.37		
							1	1
	0.5:-:				_		l	
RETURN TO OPERATOR LABOR, LAND	, CAPITAL,	& MGT.			\$	40.63		
			\$	16 50				
Operator Labor (machinery and irrigation)		& MGT.	\$	16.50	\$	40.63		

- a Yields of 150 pounds per 100-feet or 1.5 pounds per plant.
- b Cucumbers at market often priced per piece or per pound. Price based on Ky. farmers market prices of 2-3 for \$1 to \$3.50 per pound.
- 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 costs generator using updated fuel purchase price and replacement cost estimates.
- f Based on state budgets with revisions by Kentucky vegetable experts.
- g Fertilizer assumption: 2.375 lbs calcium nitrate per week per 1,000 plants.
- h Hive rental rates are very dependent on local availability.