SUMMER SQUASH, 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

	Quantity	Unit	1	\$/Unit	-	Total		
	050		•	4.05	^	040.50		
Squash	250	pounds	\$	1.25	· ·	312.50	a,b	
					\$	-		
Total Returns					\$	312.50		
		ļ						
VARIABLE COSTS								Your Numbers
Production							l F	Tour Numbers
Squash Seed (F1)	100	seeds	¢	0.10	\$	10.00		
N Fertilizer: Urea	1.25			0.40		0.50		
K Fertilizer: Potash (0-0-60)		lbs		0.40		0.60	l F	
N Fertilizer: Fertigation (Calcium Nitrate)		lbs	э \$		э \$	1.30	_	
Black Plastic/Drip Lines		feet	ֆ \$			10.00		
Pollination		hive		75.00	_	7.50		
Weed Control		row		33.15	э \$	33.15		
Insect Control			-		-			
		row		10.20	-	10.20		
Disease Control		row	\$	24.37	\$	24.37	d	
Irrigation		hrs.	\$	0.65	_	1.30		
Machinery Variable Costs	1	row	\$	4.36		4.36	е	
Total Preharvest Variable Costs					\$	103.28	-	
	1		1				-	
HARVESTING AND MARKETING				10.50	^			
Plastic Disposal	0.5	hours	\$	16.50	\$	8.25	-	
Hired Labor	10		•	1.00	•	45.00		
Harvest		box	\$	1.30	\$	15.60		
Packing		box	\$	1.60	_	19.20	f	
Boxes		boxes	\$	1.60	\$	19.20		
Marketing Costs (10% of Gross)		gross	-		\$	31.25		
Other transportation/marketing costs	1	row	\$	-	\$	-		
Total Harvesting and Marketing Cost					\$	93.50	-	
Interest on Variable Costs					\$	4.50	Ē	
					Ψ	4.50	Ē	
TOTAL VARIABLE COST					\$	201.28		
RETURN ABOVE VARIABLE COSTS					\$	111.22		
		1						
FIXED COSTS								
Machinery and Equipment					\$	9.87	е	
Irrigation System Capital Recovery					\$	6.57	с	
Taxes on Land					\$	1.00	[
Insurance					\$	2.01		
TOTAL FIXED COSTS	L				\$	19.45		
TOTAL EXPENSES					\$	220.73		
RETURN TO OPERATOR LABOR, LAND	, CAPITAL,	& MGT.			\$	91.77		
Operator and Unpaid Family Labor	2	hrs.	\$	16.50	\$	33.00		
RETURN TO LAND, CAPITAL, AND MAN			-		\$	58.77		
INCIDING LAND, CAFITAL, AND MAN		I	I		φ	30.11	1 L	

a Yields of 250 pounds per 100-feet or 2.5 pounds per plant.

b Squash at market often priced per piece or per pound. Price based on Ky. farmers market prices of 2-3 for \$1 or \$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 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.

