Jalapeño PEPPERS: FRESH MARKET, TRICKLE IRRIGATED Kentucky Estimated per Acre Costs and Returns for 2022 Large Scale (5 or more acres trickle irrigated)\*

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



	Quantity				Total	-	
GROSS RETURNS							
Jalapeño Peppers (1/2-bu. box)	2000	box	\$ 8.0	0 \$	316,000.00	a,b	Boxes harvested/packed 10
VARIABLE COSTS							Your Numbers
Production							
Plants	14.5	1000	\$ 200.0	0 \$	2,900.00		
Transplant Labor			\$ 16.5				
N Fertilizer: Preplant Urea	100		\$ 0.4	_			
Starter Liquid Fertilizer	9.06		\$ 3.0				
N Fertilizer: Calcium Nitrate fertigation	580		\$ 0.6			h	
Black Plastic/Drip Lines		acre	\$653.0			4	
Herbicides		acre	\$ 46.5			1	
Insecticides	1	acre	\$107.0			-	
Fungicides	1	acre	\$499.2			1	
Irrigation		hrs.	\$ 0.5			1	
Machinery Variable Costs	1	acre	\$ 46.2			4	
Total Preharvest Variable Costs		4016	ψ +υ.Ζ		5,108.19	ľ	
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HARVESTING AND MARKETING							
Boxes	2000	boxes	\$ 1.2	5 \$	2,500.00		
Harvest Lugs/Buckets	25	each	\$ 20.0	0 \$	500.00		
Plastic Disposal Labor	18	hours	\$ 16.5	0 \$	297.00		
Harvest and Postharvest Hired Labor							
Harvest & Pack	\$ 1.65	box		\$	3,300.00	g	
Marketing Costs (10% of Gross)	10.0%	gross		\$	1,600.00		
Hauling Variable Costs	2000	boxes	\$ 0.1	1 \$	220.00	f	
Total Harvesting and Marketing Cost				\$	8,417.00		
Interest on Variable Costs				\$	279.50		
interest on variable costs				Ψ	213.50		
TOTAL VARIABLE COST				\$	13,804.69		
RETURN ABOVE VARIABLE COSTS				3	2,195.31		
					_,		
FIXED COSTS							
Machinery and Equipment				\$	311.93	f	
Harvest Crate Replacement				\$			
Depreciation on Irrigation System				\$	392.86		
Taxes on Land				\$	5.00	]	
Insurance				\$	80.00		
TOTAL FIXED COSTS				\$	949.79		
TOTALTIALD GOOTS				4	343.13		
TOTAL EXPENSES				\$	14,754.48		
RETURN TO OPERATOR LABOR, LAND, CAPITAL, & MGT.				\$	1,245.52		
Operator and Unpaid Family Labor	40	hrs.	\$ 16.5	0 \$	660.00		
RETURN TO LAND, CAPITAL, AND MANAGEMENT				\$	585.52		
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- a Reflects average to above-average yields for plasticulture.
- b Price based on USDA AMS Shipping Point and Ky. auction prices, 2022.
- c Assumes charge for power/fuel for irrigation. Municipal water will add much higher cost.
- d Based on 2015 UK estimate for trickle irrigation and 2022 estimate.
- e Pesticide costs based on recommended applications of various products using 2022 product costs.
- f Machinery costs based on typical operations and 2022 machinery costs, according to machinery cost generator.
- g Based on past Kentucky budgets with increases for increasing wage rates; compares similarly to pepper labor estimates from university budgets published in South Carolina, Mississippi.
- h Fertilizer assumption: 4 pounds calcium nitrate per week per 1000 plants.
- \* Farm has 5 or more acres total in trickle-irrigated crops

Budget based on 7260 row feet