## CABBAGE, 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	Unit		\$/Unit		Total			
GROSS RETURNS									
Cabbage (50-lb box)	600	boxes	\$	11.00	\$	6,600.00	a,b	Boxes harvested	3.125
					\$	-		& packed/hour	
Total Returns					\$	6,600.00			
VARIABLE COSTS								Your Numbers	
Production									
Cabbage Transplants	15.0	thousand	\$	35.00	\$	525.00			
N Fertilizer: Urea	100	lbs	\$	0.40	\$	40.00			
Starter Fertilizer	65	lbs	\$	0.75	\$	48.75			
N Fertilizer: Fertigation (Calcium Nitrate)	645	lbs	\$	0.60	\$	387.00	g		
Plastic Mulch	1	acre	\$.	435.00	\$	435.00			
Drip Lines & Irrigation Fittings	1	acre	\$	495.00	\$	495.00			
Herbicides	1	acre	\$	19.00	\$	19.00	d		
Insecticides	1	acre	\$	81.51	\$	81.51	d		
Fungicides		acre	_	22.95	\$	22.95	4		
Irrigation	1	acre	\$	65.00	\$	65.00	С		
Hired Labor (Planting)	25	hrs.	\$	16.50	\$	412.50			
Machinery Variable Costs	1	acre	\$	57.76	\$	57.76	е		
Total Preharvest Variable Costs					\$	2,589.47			
HARVESTING AND MARKETING									
Plastic Disposal	24	hours	\$	16.50	\$	396.00			
Harvest and Pack		boxes	\$	5.28		3,168.00	f		
Boxes		boxes	\$	1.40	\$	840.00			
Marketing Costs (10% of Gross)	10.0%	gross			\$	660.00			
Total Harvesting and Marketing Cost					\$	5,064.00			
						-			
Interest on Variable Costs					\$	153.64			
TOTAL VARIABLE COST					\$	7,807.11			
DETURN ARROYS VARIABLE GOOTS					_	(4.00=.44)			
RETURN ABOVE VARIABLE COSTS					\$	(1,207.11)			
FIVED COOTS									
FIXED COSTS  Machinery and Equipment			_		¢	100.01			
Machinery and Equipment Imgation System Capital Recovery					\$	100.81 481.09	е		
					_		С		
Taxes on Land					\$	5.00			
Insurance					\$	78.07			
TOTAL FIXED COSTS					\$	664.97			
TOTAL EXPENSES					\$	8,472.08			
RETURN TO OPERATOR LABOR, LAND	CAPITA	L, & MGT.			\$	(1,872.08)			
0		h	Φ.	40.50	•	200.00			
Operator Labor (machinery and irrigation)	20	hrs.	\$	16.50	\$	330.00			
RETURN TO LAND, CAPITAL, AND MANAGEMENT					\$	(2,202.08)	1		
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a Yields based on prior UK budget yield assumption.

b Price updated for 2022, from MI/OH and auction prices; originally based on 2016 wholesale and terminal market prices for Sept/Oct 2016 at Atlanta and St. Louis.

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 (ISU, 2002) using updated fuel, purchase price and replacement cost estimates.

f Updates past harvest and packing cost assumptions and compares to recently published university budget assumptions.

g Fertilizer assumption: 64.5 lbs calcium nitrate per week per acre.

<sup>\*</sup> Farm has 5 or more acres total in trickle-irrigated crops