## OKRA, FRESH MARKET, TRICKLE IRRIGATED Kentucky Estimated <u>per Acre</u> 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.

GROSS RETURNS	Quantity	Unit cwt		\$/Unit		Total	1		
Okra (15-lb box)	600	boxes	6	20.00	4	12,000.00		Boxes picked per hour	2.63
OKIA (13-ID DOX)	000	poxes	φ	20.00	\$	-	a,ı	Boxes packed per hour	2.03
Total Returns						12,000.00	1	boxes packed per flour	23
Total Returns					Ą	12,000.00	l		
VARIABLE COSTS								Your Numbers	
Production								Tour Numbers	
Okra Seed	10	lbs	\$	12.00	\$	120.00	1		
Transplant Production Costs		plants	\$	0.15	\$	1,633.50	1		
N Fertilizer: Urea	100		\$	0.40	\$	40.00	1		
K Fertilizer: Potash (0-0-60)		lbs	\$	0.60	_	30.00	1		
N Fertilizer: Sidedressing		lbs	\$	0.65	\$	52.00			
Plastic Mulch		acre	_	490.00	\$	490.00	1		
Drip Lines & Irrigation Fittings		acre	_	390.00	\$	390.00	1		
Herbicides		acre	\$	7.50	\$	7.50	d		
Insecticides		acre	\$		\$	19.50	d		
Fungicides	1	acre	\$		\$	63.59	-		
Irrigation	1	acre	\$	65.00	\$	65.00	С		
Hired Labor (Planting)	10	hrs.	\$	16.50	\$	165.00			
Machinery Variable Costs	1	acre	\$	50.54	\$	50.54	е		
<b>Total Preharvest Variable Costs</b>					\$	3,126.63			
HARVESTING AND MARKETING									
Plastic Disposal	18	hours	\$	16.50	\$	297.00	1		
Hired Labor			_		Ť	201.00	1		
Harvest	600	box	\$	6.27	\$	3,764.26	f		
Packing	600		\$	0.66	\$	396.00	1		
Boxes	600	boxes	\$	1.25	\$	750.00	1		
Marketing Costs (10% of Gross)		gross			\$	1,200.00	1		
Hauling Variable Costs		boxes	\$	0.10	\$	60.00	е		
-									
Total Harvesting and Marketing (	Cost				\$	6,467.26			
Interest on Variable Costs					\$	190.81			
TOTAL VARIABLE COST					\$	9,784.69	1		
							1		
RETURN ABOVE VARIABLE COS	TS				\$	2,215.31	ı		
FIXED COSTS									
Machinery and Equipment					\$	87.41	е		
Irrigation System Capital Recove	ry				\$	440.00	С		
Taxes on Land					\$	5.00	1		
Insurance					\$	97.85			
					L.				
TOTAL FIXED COSTS					\$	630.26	1		
					_		1		
TOTAL EXPENSES			_		\$	10,414.95			
DETURN TO OREDATOR : :		ADITAL	Ļ		_	4 505 65	-		
RETURN TO OPERATOR LABOR,	LAND, C	APITAL	., &	MGT.	\$	1,585.05	-		
							1		
	4-	h vo	6	16.50	÷	247.50	1		
Operator Labor (machinery and irri	15	hrs.	\$	16.50	\$	247.50			

- a Yields based on past UK variety trials and grower yield estimates; yields are higher on plasticulture.
- b Price based on terminal market price trends in Atlanta, 2022, and Ky. produce auctions.
- c Materials actual cost, fuel and power estimate 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 2022 fuel, purchase price and replacement cost estimates.
- f Based on past UK assumptions updated for changes in wage rates. Mississippi State (2015) estimates 330 hours to harvest and grade 400 boxes.
- \* Farm has 5 or more acres total in trickle-irrigated crops

Budget based on 10890 row feet (4 ft between rows, 1 ft between plants)