OKRA, FRESH MARKET, TRICKLE IRRIGATED

Kentucky Estimated Costs and Returns for 2017
Trickle-irrigated, Hand-harvested, 100-foot row
NOT TO BE CONSIDERED CROPPING RECOMMENDATIONS OR PROFITABILITY PROJECTIONS. FOR COMPARISON AND PLANNING PURPOSES ONLY.

CENTER FOR CROP DIVERSIFICATION

	Quantity	Unit	$/Unit	Total		Your Numbers
GROSS RETURNS						
Okra	75	lbs	$ 2.00	$ 150.00	a,b	
				$ -		
Total Returns				**$ 150.00**		
VARIABLE COSTS						
Production						
Okra Seed	75	seeds	$ 0.10	$ 7.50		
N Fertilizer: Urea	1	lbs	$ 0.40	$ 0.40		
K Fertilizer: Potash (0-0-60)	0.5	lbs	$ 0.30	$ 0.15		
N Fertilizer: Sidedressing	1	lbs	$ 0.45	$ 0.45		
Mulch	1	row	$ 5.00	$ 5.00	c	
Drip Lines & Irrigation Fittings	100	feet	$ 0.05	$ 5.00	c	
Weed Control - Hoeing	1	row	$ 25.25	$ 25.25	d	
Insect Control	1	row	$ 7.72	$ 7.72	d	
Disease Management	1	row	$ 9.58	$ 9.58	d	
Irrigation	2	hrs.	$ 0.40	$ 0.80	c	
Machinery Variable Costs	1	row	$ 6.96	$ 6.96	e	
Total Preharvest Variable Costs				**$ 68.81**		
HARVESTING AND MARKETING						
Harvest	5	boxes	$ 4.75	$ 23.75	f	
Packing	5	box	$ 0.50	$ 2.50	f	
Boxes	5	boxes	$ 1.05	$ 5.25		
Marketing Costs (10% of Gross)	10%	gross		$ 15.00		
Other transportation/marketing costs	1	row	$ -	$ -		
Total Harvesting and Marketing Cost				**$ 46.50**		
Interest on Variable Costs				$ 2.76		
TOTAL VARIABLE COST				**$ 118.07**		
RETURN ABOVE VARIABLE COSTS				**$ 31.93**		
FIXED COSTS						
Machinery and Equipment				$ 6.01	e	
Irrigation System Capital Recovery				$ 6.57	c	
Taxes on Land				$ 1.00		
Insurance				$ 1.18		
TOTAL FIXED COSTS				**$ 14.76**		
TOTAL EXPENSES				**$ 132.83**		
RETURN TO OPERATOR LABOR, LAND, CAPITAL, & MGT.				$ 17.17		
Operator Labor	2	hrs.	$ 15.00	$ 30.00		
RETURN TO LAND, CAPITAL, AND MANAGEMENT				**$ (12.83)**		

a Yields based on past UK variety trials and grower yield estimates; yields are higher on plasticulture.
b Price based on Kentucky farmers market and auction prices, 2016.
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 2017 product costs.
e Machinery costs generator updated with 2016-17 fuel and equipment costs.
f Based on past UK assumptions updated for changes in wage rates. Mississippi State (2015) estimates 330 hours to harvest and grade 400 boxes per acre.