OKRA, FRESH MARKET, TRICKLE IRRIGATED
Kentucky Estimated per Acre Costs and Returns for 2017
Large Scale (5 or more acres trickle irrigated)*
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		cwt				
Okra (15-lb box)	600	boxes	$ 13.50	$ 8,100.00	a,b	
				$ -		
Total Returns				**$ 8,100.00**		
VARIABLE COSTS						
Production						
Okra Seed	10	lbs	$ 10.00	$ 100.00		
Transplant Production Costs	10890	plants	$ 0.10	$ 1,089.00		
N Fertilizer: Urea	100	lbs	$ 0.40	$ 40.00		
K Fertilizer: Potash (0-0-60)	50	lbs	$ 0.30	$ 15.00		
N Fertilizer: Sidedressing	80	lbs	$ 0.45	$ 36.00		
Plastic Mulch	1	acre	$ 286.00	$ 286.00		
Drip Lines & Irrigation Fittings	1	acre	$ 390.00	$ 390.00		
Herbicides	1	acre	$ 5.70	$ 5.70		
Insecticides	1	acre	$ 10.84	$ 10.84	d	
Fungicides	1	acre	$ 104.00	$ 104.00	d	
Irrigation	1	acre	$ 50.00	$ 50.00	c	
Hired Labor (Planting)	10	hrs.	$ 12.50	$ 125.00		
Machinery Variable Costs	1	acre	$ 34.82	$ 34.82	e	
Total Preharvest Variable Costs				**$ 2,286.36**		
HARVESTING AND MARKETING						
Plastic Disposal	18	hours	$ 12.50	$ 225.00		
Hired Labor						
Harvest	600	box	$ 4.75	$ 2,851.71	f	
Packing	600	box	$ 0.50	$ 300.00	f	
Boxes	600	boxes	$ 1.05	$ 630.00		
Marketing Costs (10% of Gross)	10%	gross		$ 810.00		
Hauling Variable Costs	600	boxes	$ 0.07	$ 42.00	e	
Total Harvesting and Marketing Cost				**$ 4,858.71**		
Interest on Variable Costs				$ 141.47		
TOTAL VARIABLE COST				**$ 7,286.54**		
RETURN ABOVE VARIABLE COSTS				**$ 813.46**		
FIXED COSTS						
Machinery and Equipment				$ 60.05	e	
Irrigation System Capital Recovery				$ 328.40	c	
Taxes on Land				$ 5.00		
Insurance				$ 72.87		
TOTAL FIXED COSTS				**$ 466.32**		
TOTAL EXPENSES				**$ 7,752.86**		
RETURN TO OPERATOR LABOR, LAND, CAPITAL, & MGT				$ 347.14		
Operator Labor (machinery and irri	15	hrs.	$ 15.00	$ 225.00		
RETURN TO LAND, CAPITAL, AND MANAGEMENT				**$ 122.14**		

Boxes picked/hour 2.63
Boxes packed/hour 25

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, 2016, 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 2017 product costs.
e Machinery costs generator using updated 2016-17 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)