OKRA, FRESH MARKET, TRICKLE IRRIGATED

Kentucky Estimated Costs and Returns for 2022
Trickle-irrigated, Hand-harvested, 100-foot row
NOT TO BE CONSIDERED CROPPING RECOMMENDATIONS OR PROFITABILITY
PROJECTIONS. FOR COMPARISON AND PLANNING PURPOSES ONLY.

Quantity Unit

¢/Llnit

Total



| | Quantity | Unit | | \$/Unit | | Total | | |
|--|-----------|-----------|--|---------|----|---------|----------|--------------|
| GROSS RETURNS | | | | | | | | |
| Okra | 75 | lbs | \$ | 2.00 | \$ | 150.00 | a,b | |
| | | | | | \$ | - | | |
| Total Returns | | | | | \$ | 150.00 | | |
| | | | | | | | | |
| VARIABLE COSTS | | | | | | | | Your Numbers |
| Production | | | | | | | | |
| Okra Seed | 75 | seeds | \$ | 0.15 | \$ | 11.25 | | |
| N Fertilizer: Urea | 1 | lbs | \$ | 0.40 | \$ | 0.40 | | |
| K Fertilizer: Potash (0-0-60) | 0.5 | lbs | \$ | 0.60 | \$ | 0.30 | | |
| N Fertilizer: Sidedressing | 1 | lbs | \$ | 0.65 | \$ | 0.65 | | |
| Mulch | 100 | feet | \$ | 0.05 | \$ | 5.00 | С | |
| Drip Lines & Irrigation Fittings | 100 | feet | \$ | 0.05 | \$ | 5.00 | С | |
| Weed Control - Hoeing | | row | \$ | 33.25 | \$ | 33.25 | d | |
| Insect Control | 1 | row | \$ | 8.64 | \$ | 8.64 | d | |
| Disease Management | | row | \$ | 9.52 | \$ | 9.52 | d | |
| Irrigation | | hrs. | \$ | 0.65 | \$ | 1.30 | С | |
| Machinery Variable Costs | 1 | row | \$ | 10.11 | \$ | 10.11 | е | |
| Total Preharvest Variable Costs | | | | | \$ | 85.42 | 1 | |
| | | | | | | | 1 1 | |
| HARVESTING AND MARKETING | | | | | | | | |
| Harvest | 5 | boxes | \$ | 6.25 | \$ | 31.25 | f | |
| Packing | | box | \$ | 0.65 | \$ | 3.25 | | |
| Boxes | | boxes | \$ | 1.25 | \$ | 6.25 | l' | |
| Marketing Costs (10% of Gross) | | gross | Ť | 1.20 | \$ | 15.00 | 1 1 | |
| Other transportation/marketing costs | 1 | row | \$ | _ | \$ | - | 1 1 | |
| Total Harvesting and Marketing Cost | | 10 00 | Ψ | | \$ | 55.75 | 1 | |
| Total Harvooming and markoning cook | | | | | Ť | 000 | 1 1 | |
| Interest on Variable Costs | | | | | \$ | 3.40 | 1 | |
| interest on valiable costs | | | | | Ψ | 0.40 | 1 1 | |
| TOTAL VARIABLE COST | | | | | \$ | 144.57 | 1 1 | |
| TOTAL VARIABLE COOT | | | | | Ť | 144.07 | 1 1 | |
| RETURN ABOVE VARIABLE COSTS | | | | | \$ | 5.43 | 1 1 | |
| THE FORM YEAR OF THE STATE OF T | | | | | Ť | 0.10 | 1 1 | |
| | | | | | | | l f | |
| FIXED COSTS | | | | | | | | |
| Machinery and Equipment | | | | | \$ | 8.74 | e | |
| Irrigation System Capital Recovery | | 1 | | | \$ | 9.79 | C | |
| Taxes on Land | | | _ | | \$ | 1.00 | ľ | |
| Insurance | | | <u> </u> | | \$ | 1.45 | | |
| TOTAL FIXED COSTS | | 1 | | | \$ | 20.98 | 1 } | |
| TO TAL LIKED GOOTS | | | | | Ψ | 20.30 | - | |
| TOTAL EXPENSES | | | | | 4 | 165.54 | - | |
| TOTAL LAF LINGLO | | | <u> </u> | | Ψ | 100.04 | | |
| RETURN TO OPERATOR LABOR, LAN | | 1 8 MC | | | ¢ | (15.54) | l | |
| INCTORN TO OFERATOR LABOR, LAN | D, CAFITA | L, & IVIC | 1. | | φ | (10.04) | - | |
| Operator Labor | 2 | hrs. | Φ. | 16.50 | \$ | 33.00 | | |
| Operator Labor | | 1113. | Ψ | 10.50 | Ψ | 33.00 | - | |
| RETURN TO LAND, CAPITAL, AND MA | NAGEMEN | I | | | ¢ | (48.54) | - | |
| INL TORN TO LAND, CAPITAL, AND MA | NAGENIEN | | <u> </u> | | Ψ | (+0.54) | ı L | |

- 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.
- 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 updated with 2022 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.