CANTALOUPE, 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.

GROSS RETURNS

Quantity

500

Unit

cwt

\$/Unit

Total



ed & field 3.85 our

Cantaloupes 80 bins \$120.00 \$ 9,600.00 a,b Cwt picke graded/ho Total Returns \$ 9,600.00 \$ 9,600.00 \$ 9,600.00 \$ 9,600.00 Your VARIABLE COSTS \$ 9,600.00 \$ 9,600.00 \$ 9,600.00 Your Production \$ 0.18 \$ 784.08 Your Your N Fertilizer: Urea 100 bis \$ 0.65 \$ 52.00 \$ 9600.00 K Fertilizer: Fertigation (Calcium Nitrate) 544 bis \$ 0.65 \$ 226.00 \$ 392.00 Plastic Mulch 1 acre \$ 392.00 \$ 392.00 \$ 392.00 \$ 75.00 h Herbicides (Row Middles) 1 acre \$ 10.47 \$ 10.47 \$ 10.47 \$ 10.47 \$ 10.47 d Insecticides 1 acre \$ 89.75 \$ 89.75 \$ 89.75 d d Harde Labor (Planting) 20 hrs. \$ 16.50 \$ 330.00 d d Harvest & Field Grading \$ 4.29 wt \$ 2,143.00 f d Harvest & Field Grading \$ 4.29 </th <th></th>	
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Machinery and Equipment \$ 106.31 e	
Taxes on Land \$ 5.00	
Insurance \$ 71.04	
TOTAL FIXED COSTS \$ 625.94	
TOTAL EXPENSES \$ 7,729.90	
RETURN TO OPERATOR LABOR, LAND, CAPITAL, & MGT. \$ 1,870.10	
Operator Labor (machinery and irrigation) 15 hrs. \$ 16.50 \$ 247.50	
RETURN TO LAND, CAPITAL, AND MANAGEMENT \$ 1,622.60	

a Yields based on UK variety trials and grower yield estimates.

b Price based on shipping point prices from MO and NC and terminal market price trends in Atlanta; 2022 update relied on IN 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 (ISU, 2002) using updated fuel, purchase price and replacement cost estimates.

f Based on state budgets with revisions by Kentucky vegetable experts.

g Fertilizer assumption: 15 lbs 9 oz calcium nitrate per week per 1,000 plants. h Hive rental rates are very dependent on local availability.

* Farm has 5 or more acres total in trickle-irrigated crops

Budget based on 8712 row feet (5 ft between rows, 2 ft between plants)