BEANS, GREEN: FRESH MARKET

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						
Snap Beans	150	pounds	$ 2.50	**$375.00**	a,b	
				$ -		
Total Returns				**$375.00**		
VARIABLE COSTS						
Production						
Fertilizer	3	lbs	$ 0.50	$ 1.50		
Fertilizer - Fertigation	2	lbs	$ 0.45	$ 0.90		
Seed	0.5	pounds	$ 10.00	$ 5.00		
Plastic Mulch & Drip Tape	100	ft	$ 0.08	$ 8.00	c	
Plant supports - twine and/or stakes/poles	1	row	$ 5.00	$ 5.00	c	
Weed Control	1	row	$ 12.95	$ 12.95	d	
Insect Control	1	row	$ 15.15	$ 15.15	d	
Disease Control	1	row	$ 15.65	$ 15.65	d	
Machinery Variable Costs	1	row	$ 2.82	$ 2.82	e	
Total Preharvest Variable Costs				**$ 66.97**		
HARVESTING AND MARKETING						
Hired Labor: Picking	-	hrs	$ 12.50	$ -		
Boxes (or Harvest Lugs)	5	boxes	$ 1.40	$ 7.00		
Hired Labor: Grading/Cleaning/Sorting	1	hrs	$ 12.50	$ 12.50		
Cooling	5	boxes	$ 1.50	$ 7.50		
Marketing Costs (10% of Gross)	10.0%	gross		$ 37.50		
Total Harvesting and Marketing Cost				**$ 64.50**		
Interest on Variable Costs				$ 2.98		
TOTAL VARIABLE COST				**$ 134.45**		
RETURN ABOVE VARIABLE COSTS				**$ 240.55**		
FIXED COSTS						
Machinery and Equipment				$ 13.16		
Irrigation System Capital Recovery				$ 6.57		
Taxes on Land				$ 1.00		
Insurance				$ 3.75		
TOTAL FIXED COSTS				**$ 24.48**		
TOTAL EXPENSES				**$ 158.93**		
RETURN TO OPERATOR LABOR, LAND, CAPITAL, & MGT.				$ 216.07		
Operator and Unpaid Family Labor	2	hrs.	$ 15.00	$ 30.00		
RETURN TO LAND, CAPITAL, AND MANAGEMENT				**$ 186.07**		

a Yields based on past budget estimates for production in Ky. Yields may be higher.
b Price based on national season-average price and prices at Ky. produce auctions.
c Based on 2017 product costs.
d Pesticide costs based on recommended applications of various products using 2017 product costs.
e Machinery cost calculator modified for KY vegetable production in 2017.