BEANS, GREEN: FRESH MARKET, Machine Harvested, Non-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						
Snap Beans	150	bu	$ 20.00	$ 3,000.00	a,b	
VARIABLE COSTS						
Production						
Lime	0.5	ton	$ 20.00	$ 10.00		
Fertilizer: Bulk Spread	500	lbs	$ 0.35	$ 175.00		
Seed	90	pounds	$ 4.00	$ 360.00		
Herbicides	1	acre	$ 65.97	$ 65.97	d	
Insecticides	1	acre	$ 63.31	$ 63.31	d	
Fungicides	1	acre	$ 64.44	$ 64.44	d	
Machinery Variable Costs	1	acre	$ 28.21	$ 28.21	e	
Total Preharvest Variable Costs				**$ 766.93**		
HARVESTING AND MARKETING						
Machine Fuel, Oil, Lube / Or Rent	1	acre	$ 55.00	$ 55.00	e	
Boxes	150	boxes	$ 1.40	$ 210.00		
Hired Labor: Harvest/Grading/Cleaning/Sorting	50.0	hrs	$ 12.50	$ 625.00	c	
Cooling	150	boxes	$ 1.50	$ 225.00	c	
Marketing Costs (10% of Gross)	10.0%	gross		$ 300.00		
Total Harvesting and Marketing Cost				**$ 1,415.00**		
Interest on Variable Costs				$ 44.23		
TOTAL VARIABLE COST				**$ 2,226.16**		
RETURN ABOVE VARIABLE COSTS				**$ 773.84**		
FIXED COSTS						
Machinery and Equipment				$ 131.55		
Taxes on Land				$ 5.00		
Insurance				$ 30.00		
TOTAL FIXED COSTS				**$ 166.55**		
TOTAL EXPENSES				**$ 2,392.71**		
RETURN TO OPERATOR LABOR, LAND, CAPITAL, & MGT.				**$ 607.29**		
Operator and Unpaid Family Labor	15	hrs.	$ 15.00	$ 225.00		
RETURN TO LAND, CAPITAL, AND MANAGEMENT				**$ 382.29**		

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 Harvest labor and cooling costs based on reported costs in SC and MS.
d Pesticide costs based on recommended applications of various products using 2017 product costs.
e Machinery cost calculator updated for KY vegetable production in 2017.
* Farm has 5 or more acres total in trickle-irrigated crops