

CLEMSON

EXTENSION

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LIMA BEANS - FOR FRESH MARKET (MACHINE HARVEST & SHELLED) - IRRIGATED

ESTIMATED COSTS AND RETURNS PER ACRE, 2008/2009
120 BUSHELS - HARVEST IN JUNE AND JULY

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
LIMA BEANS	BU.	120.00	\$18.00	\$2,160.00	_____
TOTAL RECEIPTS:				\$2,160.00	_____
2. VARIABLE COSTS					
SEED	LBS	50.00	\$1.15	\$57.50	_____
FERTILIZER					
3-9-24	CWT	5.00	\$13.50	\$67.50	_____
SIDE DRESSING 24.5% N	CWT	2.50	\$51.02	\$127.55	_____
LIME (PRORATED)	TON	0.33	\$52.50	\$17.33	_____
HERBICIDES	ACRE	1.00	\$25.88	\$25.88	_____
INSECTICIDES	ACRE	1.00	\$58.91	\$58.91	_____
FUNGICIDES	ACRE	1.00	\$36.80	\$36.80	_____
STICKER	PT	6.00	\$2.00	\$12.00	_____
IRRIGATION, MACHINERY & LABOR	ACRE	1.00	\$42.28	\$42.28	_____
HARVESTING & HAULING	BU.	120.00	\$2.50	\$300.00	_____
CLEANING, SHELLING & BAGGING	BU.	120.00	\$2.50	\$300.00	_____
MARKETING	BU.	120.00	\$0.60	\$72.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$48.11	\$48.11	_____
LABOR	HRS	12.29	\$6.50	\$79.89	_____
INTEREST ON OP. CAP.	DOL.	\$246.93	9.0%	\$22.22	_____
TOTAL VARIABLE COSTS:				\$1,267.97	_____
3. INCOME ABOVE VARIABLE COSTS:				\$892.03	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$67.03	\$67.03	_____
IRRIGATION	ACRE	1.00	\$84.71	\$84.71	_____
TOTAL FIXED COSTS:				\$151.74	_____
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$1,267.97	9.0%	\$114.12	_____
TOTAL OTHER COSTS:				\$139.12	_____
6. TOTAL COSTS:				\$1,558.83	_____
7. NET RETURNS TO RISK AND MANAGEMENT:				\$601.17	_____

BREAK-EVEN YIELD

VARIABLE COSTS	48	BU.
TOTAL COSTS	69	BU.

BREAK-EVEN PRICE PER BUSHEL

VARIABLE COSTS	\$10.57
TOTAL COSTS	\$12.99

* PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY.

** BASED ON IMPROVED PRODUCTION PRACTICES FOR COMMERCIAL PRODUCERS.

*** HARVESTING COST ACCOUNTS FOR ADDITIONAL LABOR ON THE 1-ROW PICKER.

LIMA BEANS - FOR FRESH MARKET (MACHINE HARVEST) - IRRIGATED						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR LIMA BEANS						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
3	4-BOTTOM FLIP PLOW	2.00	0.55	0.50	\$5.82	\$4.82
4	HEAVY DISK 14'	1.00	0.17	0.15	\$2.67	\$3.92
4	DISK W/ SPRAYER 16'	1.00	0.17	0.15	\$2.00	\$3.42
4	SUBSOILER-BEDDER 4-ROW	2.00	0.42	0.38	\$6.10	\$5.74
4	PLANTER W/ SPRAYER 4-ROW	2.00	0.48	0.44	\$6.34	\$10.10
3&4	TRUCK 1.5 TON	2.00	0.51	0.46	\$2.88	\$4.44
5	SIDEDRESSER 2-ROW	1.00	0.62	0.56	\$4.52	\$4.95
6	PULL TYPE SPRAYER	4.00	0.79	0.72	\$5.16	\$10.84
4&6	CULTIVATOR 4-ROW	2.00	0.51	0.46	\$3.96	\$4.74
4&6	NURSE TANK ON PICK-UP	2.00	0.37	0.34	\$2.10	\$3.20
7	VEGETABLE PICKER 1-ROW	1.00	0.87	0.79	\$6.56	\$10.86
PER ACRE TOTALS FOR SELECTED OPERATIONS			5.46	4.95	\$48.11	\$67.03
UNALLOCATED LABOR(HRS./AC.)			6.83			
<p>Note: Six inches of water is applied using a 30 acre real travel gun irrigation system. Two applications per month are put down in April, May, and June. It is assumed that the irrigation system is used on two crops each year. This results in reducing the fixed cost by 1/2.</p>						

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu.)				
BU.	\$14.40	\$16.20	\$18.00	\$19.80	\$21.60
96	\$248.83	\$421.63	\$594.43	\$767.23	\$940.03
108	\$354.43	\$548.83	\$743.23	\$937.63	\$1,132.03
120	\$460.03	\$676.03	\$892.03	\$1,108.03	\$1,324.03
132	\$565.63	\$803.23	\$1,040.83	\$1,278.43	\$1,516.03
144	\$671.23	\$930.43	\$1,189.63	\$1,448.83	\$1,708.03

CHEMICAL USE ASSUMPTIONS FOR LIMA BEANS					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES					
imazethapyr (Pursuit)	OZ	2.50	\$10.35	\$25.88	1X APR
INSECTICIDES					
disulfoton (Disyston)	LB	10.00	\$2.48	\$24.80	1X APR
acephate (Orthene)	LB	2.00	\$10.13	\$20.26	4X JUN
esfenvalerate (Asana)	OZ	20.00	\$0.69	\$13.85	4X JUN
FUNGICIDES					
mefenoxam-PCNB (Ridomil)	LB	10.00	\$2.25	\$22.50	1X APR
azoxystrobin (Quadris)	OZ	8.00	\$1.79	\$14.30	1X JUN
TOTAL:				\$121.59	
<p>The above listed chemicals are examples and do not imply exclusive recommendations by Clemson University. The "Vegetable Crop Guidelines for the Southeastern US" must be consulted. Production assumptions provided by Tony Melton, (843) 661-4800, amelton@clemson.edu.</p>					

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