

2013 Eggplant on Plastic Budget

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Eggplant Fresh Market
(Cash Flow Budget)

Number of acres 1.00

	BEST	OPT	MEDIAN	PESS	WORST
Yield (cartons)	2500.00	2000.00	1500.00	1000.00	500.00
Price per carton	10.00	9.00	8.00	7.00	6.00

Item	Unit	Quantity	Price	Amt/acre	Total	Years
Variable Costs						
Plants	1000	14.00	13.00	182.00	182.00	_____
Lime, applied	Ton	1.00	26.00	26.00	26.00	_____
Fertilizer, 5-10-10	Cwt	12.00	10.50	126.00	126.00	_____
Sidedressing, 7-0-7	Cwt	60.00	9.50	570.00	570.00	_____
Insecticide	Acre	1.00	65.00	65.00	65.00	_____
Fungicide	Acre	1.00	12.00	12.00	12.00	_____
Nematicide	Acre	1.00	550.00	550.00	550.00	_____
Herbicide	Acre	1.00	25.00	25.00	25.00	_____
Plastic	Roll	2.80	70.00	196.00	196.00	_____
Plastic Removal	Acre	1.00	75.00	75.00	75.00	_____
Fumigation	Gal.	4.00	13.00	52.00	52.00	_____
Machinery	Hr.	5.00	21.00	105.00	105.00	_____
Labor	Hr.	33.00	9.00	297.00	297.00	_____
Pollination	Hive	1.00	33.00	33.00	33.00	_____
Land rent	Acre	1.00	0.00	0.00	0.00	_____
Irrigation (Mach + Labor)	Acre	1.00	197.43	197.43	197.43	_____
Interest on Oper. Cap.	\$	2511.43	0.09	113.01	113.01	_____
PreHarvest Variable Costs				2624.44	2624.44	_____
Harvest and Marketing Costs						
Picking and hauling	Ctn.	1500.00	1.60	2400.00	2400.00	_____
Grading and packing	Ctn.	1500.00	1.30	1950.00	1950.00	_____
Container	Ctn.	1500.00	1.50	2250.00	2250.00	_____
Marketing	Ctn.	1500.00	0.55	825.00	825.00	_____
Total Harvest and Marketing			4.95	7425.00	7425.00	_____
Total Variable Costs				10049.44	10049.44	_____

FIXED OUTLAYS: Press Button for Calculation of Annual Debt Payment)

Annual Debt Payment	Acre	1.00	52.27	52.27	52.27
Machinery	Acre	1.00	64.42	64.42	64.42
Irrigation	Acre	1.00	73.78	73.78	73.78
Land	Acre	1.00	0.00	0.00	0.00
Overhead and Management	\$	2624.44	0.15	393.67	393.67
Total Fixed Outlays				584.13	584.13
Total budgeted cost per acre				10633.57	10633.57

Costs Per Carton

Preharvest variable cost per carton	1.75
Harvest & marketing cost per carton	4.95
Fixed Outlays per carton	0.39
Total budgeted cost per carton	7.09

1/ Fall plantings may require additional application, estimated at \$30 more.

EXPECTED RETURNS FROM TOTAL ACREAGE

ACRES	EXPECTED YIELD/AC	VOLUME MARKETED	EXPECTED PRICE	TOTAL RETURNS
1	1500	1500	8.00	12,000

RISK RATED RETURNS OVER CASH FLOW COSTS

Net return levels (TOP ROW);
 The chances of obtaining this level or more (MIDDLE ROW); and
 The chances of obtaining this level or less (BOTTOM ROW).

	<u>Optimistic</u>	<u>Expected</u>	<u>Pessimistic</u>	
Returns(\$)	4,575	3,505	2,436	1,366
Chances	7%	16%	31%	50%
Chances			50%	31%
			16%	7%

CHANCES FOR PROFIT **74%** **BASE BUDGETED NET REVENUE** **1,366**

ROW CROP DRIP IRRIGATION

ACRES IN SYSTEM	40.00
INTEREST RATE	0.07
ROW WIDTH IN FEET	6.00
PRICE OF TUBING(\$/ft)	0.02
YEARS TUBING IS TO BE USED	1.00

	INVESTMENT	YRS.	DEPREC.	INTEREST	TAXES & INS.
PIPE & FITTINGS	8000.00	20	400	260	60
TUBING	0.00	0	0	0	0
WELL	6500.00	25	260	211	49
PUMP & MOTOR	4000.00	12	333	130	30
FILTER & AUTO	250.00	10	25	8	2
MISC.	563	20	28	18	4
INSTALLATION	8500.00	20	425	276	64
TOTAL	27813		1471	904	209

TOTAL ANNUAL FIXED COSTS 2584

TOTAL ANNUAL FIXED COSTS PER ACRE 64.60

Total Annual Debt Payment Per Acre 73.78

OPERATING COSTS

MOTOR SIZE (HP)	15.00	
REPAIRS	118.75	2.97
ANNUAL PUMPING HOURS	2000.00	
ELECTRICITY		
Demand (standby charge) per YEAR	180.00	
Rate \$ per KWH	0.08	
ANNUAL ENERGY COST	1970.40	
ANNUAL ENERGY COST PER ACRE		49.26
 TUBING		 145.20
 <u>OPERATING COST PER ACRE PER YEAR</u>		 197.43

Investment and Annual Fixed Costs

Number of acres of this crop 40
 Interest rate 0.07

Equipment Costs for this crop

Item	% of time for This crop	Cost	Salvage Value	Yrs. of Life	Depr.	Int.	Tax&Ins	FC/Ac.
Tractors (100 hp)	10%	80000	16000	15	427	312	67	20
Plow (6 row strip till)	20%	22000	4400	10	352	172	37	14
Disk (24')	10%	13000	2600	10	104	51	11	4
Appl. Herb	0%	1700	340	10	0	0	0	0
Bedder	50%	3000	600	10	120	59	13	5
Transplanter	50%	5000	1000	10	200	98	21	8
Cultivator (6 row)	0%	6000	1200	10	0	0	0	0
Sprayer (18 row boor	30%	11000	2200	10	264	129	28	11
Sidedresser	20%	4500	900	10	72	35	8	3
	40%	0	0	0	0	0	0	0
	40%	0	0	0	0	0	0	0
Total		21900	4380		1539	854	184	64

Interest on Investment (Ave. Inv. X Int. Rate) 854.10
 Taxes and Insurance (Ave. Inv. X .014) 183.96

 Total Annual Fixed Costs 2576.73
 Total Annual Fixed Costs Per Acre 64.42