

**TRADITIONAL
VEGETABLES
2010
PLANNING BUDGETS**

**Mississippi State University
Department of Agricultural Economics
Budget Report 2009-01**

December 2009

Foreword

This report is designed to provide necessary planning data to farmers, research and extension staffs, lending agencies, and others in agriculture. Estimated costs for land, management, and general farm overhead are not included in this report.

Acknowledgments

A list of individuals who contributed to the development of the agricultural enterprise budgets follows this acknowledgment. The administrative committee structure and enterprise committees have shown a spirit of cooperation seldom found when so many work together. A team effort has led to many improvements in the budgets over the years.

Special appreciation is expressed to producers who provided information on crop practices used. Appreciation also is expressed to farm supply dealers, equipment dealers, custom operators, and chemical companies who provided prices for crop production inputs. The Mississippi Agricultural Statistics Service is commended for its excellence in collecting price and production practice data.

Acknowledgment is made to the Mississippi State University Extension Service, the Mississippi Agricultural and Forestry Experiment Station, and the United States Agricultural Research Service staffs for the excellent cooperation that made this report possible.

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2010 Planning Budgets

Budgets for Agricultural Enterprises

This publication provides economic and technical information in the form of enterprise budgets for vegetable crops produced by Mississippi farmers. A multidisciplinary approach involving researchers and extension personnel was used to determine production practices and input quantities, and to estimate costs for each enterprise (14). The purpose of this section is to present the methods and procedures used to calculate costs for each budget included in this publication.

Enterprise budgets represent a type of information that can be used by a wide variety of individuals in making decisions in the food and fiber industry. They are used:

- by farmers for planning,
- by extension personnel in providing educational programs to farmers,
- by lenders as a basis for credit,
- to provide basic data for research, and
- to inform non-farmers of the costs incurred by farmers in the production of food and fiber crops.

A budget should be prepared with a specific objective in mind. The budgets in this report were prepared to provide general information for several different uses. They provide information concerning general levels of costs which will need to be adjusted for specific situations. Most users should think of these budgets as a first approximation and then make appropriate adjustments using the "Your Farm" column provided on each budget to add, delete, or change costs to reflect their specific situations. Income is not included in the vegetable planning budgets due to the volatile nature of prices in the fresh produce market. Budgets reflect the cost of production per acre planted. The budgets allow the producer to determine the breakeven price needed for the vegetable grown. A sensitivity table reflecting different yields per acre compared to different market prices received for vegetables allows producers to estimate potential net returns.

Methods and Procedures

Production Practices

The production practices listed in each budget are the result of a combined effort by researchers and extension personnel to represent current practices.

Committees made up of appropriate disciplines from the Mississippi Agricultural and Forestry Experiment Station, the Mississippi State University Extension Service, and the U.S. Department of Agriculture review and update the practices in the budgets every year. The updates are based on the collective judgement of the committee members. Quantities of materials and individual production practices are based on generally accepted recommendations by committee members.

Machinery

Machinery manufacturers form the basis for machinery prices used in these publications. Prices by size of equipment are determined from the most common sales in each category as reported by machinery dealers. Prices used in the budgets reflect prices paid by farmers in 2009. (Appendix Tables 1, 2, and 3).

A performance rate reflects the time required to perform a given task or operation and is expressed as that part of an hour per acre. Previous studies and expert knowledge of the equipment committee members are used to estimate performance rates for new and larger equipment (1, 4, 5, 6, 7, 9, 13).

The hours of annual use have been modified based on information collected from the cited studies (3, 4, 6, 7).

Repairs and maintenance as a percentage of new cost are estimated for the life of the equipment and include oil and lubricants (1, 4, 6).

Estimates of Direct Costs

Direct costs include estimated costs of repairs and maintenance (R&M) for all machinery and include fuel costs for powered machinery (Appendix Tables 1, 2, and 3). Direct costs are estimated on an hourly basis and are then converted to a per-acre basis using the performance rate for the particular operation. R&M costs for towed equipment and powered equipment are estimated as follows:

$$RPH = \frac{RLC \times RP}{THL}$$

$$RPA = RPH \times PR$$

where:

RPH = R&M cost per hour of use
 RLC = Replacement cost of machine
 RP = R&M percentage (percent of RLC)
 THL = Total hours of machine life
 RPA = R&M cost per acre
 PR = Performance rate

Direct costs include an estimate of fuel cost based on average fuel consumption per hour of use for the power unit. Other components of direct costs include quantities of materials used in production multiplied by the price per unit of these inputs, custom rates, hourly wage rates, and interest charges on operating capital (Appendix Tables 4, 5, and 6). Prices of chemicals, seed, fertilizers, and custom rates are updated every year.

The labor wage rate per hour includes social security, accident and unemployment insurance, and some perquisites (11). Labor costs are estimated for several different labor categories. Operator labor is that labor required to operate all power-driven equipment.

Interest on operating capital is determined by using a short-term interest rate obtained from agricultural lenders and making a charge against capital outflows as the production process takes place. Interest is accumulated until the crop is harvested.

Estimates of Fixed Costs

Annual fixed cost estimates for machinery are based on a budgeting technique which computes the annual capital recovery charge (Boehlje and Eidman, p. 143). When a combination of machines or equipment is required to perform a single operation, the total cost per acre for all equipment used in the operation is estimated. The fixed cost of machinery ownership is calculated by first computing the capital recovery factor and then using it to estimate the annual capital recovery charge.

$$CRF = \frac{IIR}{1 - (1 + IIR)^{-TYL}}$$

where:

CRF = Capital recovery factor
 IIR = Intermediate-term interest rate
 TYL = Total years of life

$$CRCPY = [(RLC - SV) \times CRF] + (SV \times IIR)$$

where:

CRCPY = Capital recovery charge per year
 RLC = Replacement cost
 SV = Salvage value (at end of useful life)

This value is then converted to its per-hour and per-acre equivalent values:

$$CRCPH = \frac{CRCPY}{HAU}$$

$$CRCPA = CRCPH \times PR$$

where:

CRCPH = Capital recovery charge per hour
 HAU = Hours of annual use
 CRCPA = Capital recovery charge per acre
 PR = Performance rate

Estimates of Returns

It is difficult to estimate crop yields that may be expected for a particular production system in a given year. Fresh vegetable prices are volatile and change daily. Because of this, no estimates of expected returns are provided. Budget Table D shows breakeven price above total expenses and net returns for price/yield combinations on a per-acre basis.

Estimates of Irrigation Costs

Generally, irrigation is recommended for vegetable production. Irrigation costs for the most commonly used irrigation systems are presented in Appendix Tables 7, 8, and 9. Each appendix table lists all annual supplies, their prices, and quantities needed.

A non-irrigated vegetable budget can be converted to an irrigated budget by adding the desired irrigation system costs to the non-irrigated vegetable budget. Costs for the water will vary depending on the water source. Climatic conditions during the growing season will dictate water usage.

Estimates of Marketing and Grading Costs

Marketing and grading costs should be viewed as only rough estimates. These costs are highly dependent upon the market outlet. For producers with traditional customers acquired over the years, there may be no brokerage fees. Other packing for shipping may go through a broker and incur packaging costs as well.

Enterprise Budgets

Table 1.A Estimated resource use and costs for field operations, per acre
 Bell pepper, fresh market, irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.3300	35.00	11.55	11.55
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Sep	1.89	1.25	0.43	1.02	0.19	2.23				6.82
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Oct	1.89	1.25	0.43	1.02	0.19	2.23				6.82
Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Oct	0.80	0.53	0.06	0.23	0.08	0.95				2.57
Fert 13-13-13	cwt											9.0000	15.43	138.87	138.87
Disk Bed	4-Row	2WD 75 hp	0.140	2.00	Oct	2.69	1.78	0.49	1.43	0.28	3.17				9.56
BS, L,T,Fung BPepper	Bed 6'cntr	2WD 75 hp	1.078	1.00	Oct	10.26	6.80	3.77	12.06	4.31	40.97				73.86
Plastic Mulch	roll											1.8000	162.00	291.60	291.60
Mythl Bromide 67/33	lb											200.0000	4.50	900.00	900.00
Drip Tape	roll											1.2000	156.00	187.20	187.20
Spray (Broadcast)	27'	2WD 75 hp	0.062	0.50	Nov	0.31	0.24	0.07	0.10	0.04	0.49				1.21
Goal 2XL	pt											1.2500	11.18	13.98	13.98
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Mar	0.61	0.49	0.15	0.20	0.09	0.98				2.43
Gramoxone Max	pt											2.0000	4.97	9.94	9.94
Trailer Utility	10'	2WD 75 hp	0.600	1.00	Mar	5.85	4.69	0.09	0.33	0.60	6.74				17.70
Pepper Plants	100plt											170.0000	9.12	1550.40	1550.40
Contract Plt BPepper	1000pl											17.0000	13.75	233.75	233.75
Irrigation				1.00	Mar										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Fertigate CAN03/KN03				2.00	Mar										
FERTIGATION LABOR	hour									5.00	44.60				44.60
Calcium Nitrate	lb											100.0000	0.35	35.00	35.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Apr	0.61	0.49	0.15	0.20	0.09	0.98				2.43
Orthene 90 WSP	lb											0.6700	10.87	7.28	7.28
Kocide	lb											2.0000	3.54	7.08	7.08
Quadris	oz											6.2000	2.56	15.87	15.87
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									5.00	44.60				44.60
Calcium Nitrate	lb											100.0000	0.35	35.00	35.00
Trailer Utility	10'	2WD 75 hp	0.600	1.00	Apr	5.85	4.69	0.09	0.33	0.60	6.74				17.70
HAND LABOR	hour									15.00	133.80				133.80
Wood Stakes	100											36.0000	15.00	540.00	540.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Apr	0.61	0.49	0.15	0.20	0.09	0.98				2.43
Quadris	oz											6.2000	2.56	15.87	15.87
Kocide	lb											2.0000	3.54	7.08	7.08
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									5.00	44.60				44.60
Calcium Nitrate	lb											100.0000	0.35	35.00	35.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	0.61	0.49	0.15	0.20	0.09	0.98				2.43
Quadris	oz											6.2000	2.56	15.87	15.87
Kocide	lb											2.0000	3.54	7.08	7.08
Cult + App Herb	4-Row	2WD 75 hp	0.193	1.00	May	1.84	1.22	0.34	0.99	0.29	3.04				7.43
Gramoxone Max	pt											1.5000	4.97	7.46	7.46

(continued)

Table 1.A Estimated resource use and costs for field operations, per acre
 Bell pepper, fresh market, irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2010 (continued)

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Fertigate CAN03/KN03				2.00	May											
FERTIGATION LABOR	hour									5.00	44.60					44.60
Calcium Nitrate	lb											100.0000	0.35	35.00		35.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	0.61	0.49	0.15	0.20	0.09	0.98					2.43
Ridomil Gold SL	oz											16.0000	6.25	100.00		100.00
1st Tiewing DB String				1.00	May											
HAND LABOR	hour									8.00	71.36					71.36
Plastic string	6000'											7.0000	11.00	77.00		77.00
Fertigate CAN03/KN03				2.00	May											
FERTIGATION LABOR	hour									5.00	44.60					44.60
Calcium Nitrate	lb											100.0000	0.35	35.00		35.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	0.61	0.49	0.15	0.20	0.09	0.98					2.43
Lannate LV	pt											1.0000	8.74	8.74		8.74
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	0.61	0.49	0.15	0.20	0.09	0.98					2.43
Ambush 25WP	lb											1.0000	15.63	15.63		15.63
2nd Tiewing DB String				1.00	Jun											
HAND LABOR	hour									5.00	44.60					44.60
Plastic string	6000'											5.0000	11.00	55.00		55.00
Cultivate	4-Row	2WD 75 hp	0.155	1.00	Jun	1.48	0.98	0.33	0.97	0.15	1.74					5.50
Trailer Utility	10'	2WD 75 hp	0.600	1.00	Jun	5.85	4.69	0.09	0.33	0.60	6.74					17.70
HAND LABOR	hour									8.00	71.36					71.36
Harvest Labor Pepper	bu											1800.0000	0.70	1260.00		1260.00
15g tub Bell Pepper	each											30.0000	7.50	225.00		225.00
Bin Vegetable	each											8.0000	75.00	600.00		600.00
Pack Line B. Peppers				1.00	Jun											
GRADE & PACK LABOR	hour									80.00	713.60					713.60
Boxes-Waxed	each											1800.0000	1.76	3168.00		3168.00
Rotary Cutter	7'	2WD 75 hp	0.169	1.00	Jul	1.61	1.07	0.56	0.43	0.16	1.90					5.57
Take Up Reel (Mulch)	1-Row	2WD 75 hp	0.588	1.00	Jul	5.60	3.71	0.42	1.79	0.58	6.61					18.13
HAND LABOR	hour									12.00	107.04					107.04
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Jul	1.89	1.25	0.43	1.02	0.19	2.23					6.82
Southern Peas - OP	lb											33.0000	3.00	99.00		99.00
Irrigation Setup	acre				Mar							1.0000				458.62
TOTALS						52.08	37.58	8.65	23.45	161.98	1457.40			10194.31		12232.09
INTEREST ON OPERATING CAPITAL																170.61
UNALLOCATED LABOR																12.18
TOTAL SPECIFIED COST																12414.88

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

Table 1.B Estimated costs per acre
 Bell pepper, fresh market, irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM					
Contract Plt BPepper	1000pl	13.75	17.0000	233.75	_____
FERTILIZER					
Lime (Spread)	ton	35.00	0.3300	11.55	_____
Fert 13-13-13	cwt	15.43	9.0000	138.87	_____
Calcium Nitrate	lb	0.35	500.0000	175.00	_____
FUNGICIDE					
Kocide	lb	3.54	6.0000	21.24	_____
Quadris	oz	2.56	18.6000	47.62	_____
Ridomil Gold SL	oz	6.25	16.0000	100.00	_____
HERBICIDE					
Goal 2XL	pt	11.18	1.2500	13.98	_____
Gramoxone Max	pt	4.97	3.5000	17.40	_____
INSECTICIDE					
Orthene 90 WSP	lb	10.87	0.6700	7.28	_____
Lannate LV	pt	8.74	1.0000	8.74	_____
Ambush 25WP	lb	15.63	1.0000	15.63	_____
SEED/PLANTS					
Pepper Plants	100plt	9.12	170.0000	1550.40	_____
Southern Peas - OP	lb	3.00	33.0000	99.00	_____
OTHER					
Plastic Mulch	roll	162.00	1.8000	291.60	_____
Mythl Bromide 67/33	lb	4.50	200.0000	900.00	_____
Wood Stakes	100	15.00	36.0000	540.00	_____
Plastic string	6000'	11.00	12.0000	132.00	_____
Harvest Labor Pepper	bu	0.70	1800.0000	1260.00	_____
15g tub Bell Pepper	each	7.50	30.0000	225.00	_____
Bin Vegetable	each	75.00	8.0000	600.00	_____
Boxes-Waxed	each	1.76	1800.0000	3168.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	1.2000	187.20	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	11.23	5.4161	60.82	_____
GRADE & PACK LABOR					
Special Labor	hour	8.92	80.0000	713.60	_____
HAND LABOR					
Special Labor	hour	8.92	48.0000	428.16	_____
Implements	hour	8.92	3.5672	31.82	_____
FERTIGATION LABOR					
Special Labor	hour	8.92	25.0000	223.00	_____
UNALLOCATED LABOR					
	hour	11.24	1.0832	12.18	_____
DIESEL FUEL					
Tractors	gal	2.22	20.9084	46.43	_____
REPAIR & MAINTENANCE					
Implements	acre	8.65	1.0000	8.65	_____
Tractors	acre	5.65	1.0000	5.65	_____
INTEREST ON OP. CAP.	acre	170.61	1.0000	170.61	_____
TOTAL DIRECT EXPENSES				11895.23	_____
FIXED EXPENSES					
Implements	acre	23.45	1.0000	23.45	_____
Tractors	acre	37.58	1.0000	37.58	_____
Irrigation Setup	acre	458.62	1.0000	458.62	_____
TOTAL FIXED EXPENSES				519.65	_____
TOTAL SPECIFIED EXPENSES				12414.88	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.
 Irrigation implies 6 acre inches applied as needed over the
 production period for both fertigation and water needs.

Table 1.C Estimated monthly income and expense flows per acre
 Bell pepper, fresh market, irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2010

ITEM	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
CUSTOM	0.00	0.00	0.00	0.00	0.00	0.00	233.75	0.00	0.00	0.00	0.00	0.00
FERTILIZER	11.55	138.87	0.00	0.00	0.00	0.00	35.00	70.00	70.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.90	122.95	0.00	0.00	0.00
HERBICIDE	0.00	0.00	13.98	0.00	0.00	0.00	9.94	0.00	7.46	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.28	24.37	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	1550.40	0.00	0.00	0.00	99.00	0.00
OTHER	0.00	1191.60	0.00	0.00	0.00	0.00	0.00	540.00	77.00	5308.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	187.20	0.00	0.00	0.00	0.00	450.06	0.00	0.00	0.00	0.00	0.00
LABOR	2.68	51.01	0.56	0.00	0.00	0.00	53.81	233.33	168.52	839.74	119.93	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.70	14.08	0.27	0.00	0.00	0.00	5.68	6.22	3.82	6.47	8.19	0.00
REPAIR & MAINTENANCE	0.62	6.31	0.11	0.00	0.00	0.00	1.02	1.24	1.40	1.28	2.32	0.00
INTEREST ON OP. CAP.	0.69	59.60	0.50	0.00	0.00	0.00	43.88	13.57	5.34	46.17	0.86	0.00
TOTAL DIRECT EXPENSES	17.24	1648.67	15.42	0.00	0.00	0.00	2383.54	917.54	480.86	6201.66	230.30	0.00
NET INCOME	-17.24	-1648.67	-15.42	0.00	0.00	0.00	-2383.54	-917.54	-480.86	-6201.66	-230.30	0.00
NET INCOME TO DATE	-17.24	-1665.91	-1681.33	-1681.33	-1681.33	-1681.33	-4064.87	-4982.41	-5463.27	-11664.93	-11895.23	-11895.23

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

* Lease costs are based on hourly usage costs.

Table 1.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Bell pepper, fresh market, irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2010

			-----BREAKEVEN PRICE-----										
Bell Pepper			5.18	5.43	5.71	6.04	6.43	6.89	7.46	8.17	9.09	10.31	12.02
PERCENT	YIELD	UNIT	-----dollars-----										
50	900.00	Bu	-5629 -6148	-5409 -5929	-5156 -5675	-4860 -5380	-4511 -5030	-4091 -4611	-3579 -4099	-2939 -3458	-2115 -2635	-1017 -1537	519 0
60	1080.00	Bu	-5014 -5533	-4750 -5270	-4446 -4966	-4091 -4611	-3672 -4192	-3169 -3689	-2554 -3074	-1786 -2305	-797 -1317	519 0	2364 1844
70	1260.00	Bu	-4399 -4918	-4091 -4611	-3737 -4256	-3323 -3842	-2834 -3353	-2247 -2766	-1529 -2049	-633 -1152	519 0	2056 1537	4208 3689
80	1440.00	Bu	-3784 -4304	-3433 -3952	-3027 -3547	-2554 -3074	-1995 -2515	-1324 -1844	-505 -1024	519 0	1837 1317	3594 3074	6053 5533
90	1620.00	Bu	-3169 -3689	-2774 -3293	-2318 -2837	-1786 -2305	-1157 -1676	-402 -922	519 0	1672 1152	3154 2635	5131 4611	7898 7378
100	1800.00	Bu	-2554 -3074	-2115 -2635	-1608 -2128	-1017 -1537	-318 -838	519 0	1544 1024	2825 2305	4472 3952	6668 6148	9742 9223
110	1980.00	Bu	-1939 -2459	-1456 -1976	-899 -1418	-248 -768	519 0	1441 922	2569 2049	3978 3458	5790 5270	8205 7685	11587 11067
120	2160.00	Bu	-1324 -1844	-797 -1317	-189 -709	519 0	1358 838	2364 1844	3594 3074	5131 4611	7107 6587	9742 9223	13432 12912
130	2340.00	Bu	-710 -1229	-139 -658	519 0	1288 768	2196 1676	3286 2766	4618 4099	6284 5764	8425 7905	11279 10760	15276 14756
140	2520.00	Bu	-95 -614	519 0	1229 709	2056 1537	3035 2515	4208 3689	5643 5123	7436 6917	9742 9223	12817 12297	17121 16601
150	2700.00	Bu	519 0	1178 658	1938 1418	2825 2305	3873 3353	5131 4611	6668 6148	8589 8070	11060 10540	14354 13834	18965 18446

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2009 input prices.

Table 2.A Estimated resource use and costs for field operations, per acre
 Broccoli, fall, fresh market
 Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Jul							0.4950	35.00	17.33	17.33
Chisel Plow	9'	2WD 75 hp	0.220	1.00	Aug	2.10	1.39	0.69	1.34	0.22	2.47				7.99
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Aug	3.78	2.50	0.87	2.03	0.39	4.45				13.63
Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Aug	0.80	0.53	0.06	0.23	0.08	0.95				2.57
Fert 13-13-13	cwt											8.0000	15.43	123.44	123.44
Disk + Incorporate	10'	2WD 75 hp	0.206	1.00	Aug	1.97	1.30	0.80	1.56	0.30	3.24				8.87
Treflan HFP	pt											1.5000	3.11	4.67	4.67
Plntr/H2O Wheel	2-Row	2WD 75 hp	1.473	1.00	Aug	14.03	9.29	4.96	9.15	8.83	82.25				119.68
PLANTING LABOR	hour									30.00	267.60				267.60
Broccoli - Hybrid	thous											18.0000	38.50	693.00	693.00
Cult + Apply Ins	4-Row	2WD 75 hp	0.193	1.00	Aug	1.84	1.22	0.34	0.99	0.29	3.04				7.43
Bravo Weather Stick	pt											1.5000	7.74	11.61	11.61
Diazinon AG600	pt											1.0000	5.92	5.92	5.92
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Bravo Weather Stick	pt											1.5000	7.74	11.61	11.61
Dipel ES	pt											1.0000	4.08	4.08	4.08
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	Sep	1.84	1.22	1.22	6.36	0.29	3.04				13.68
Amm Nitrate (34%)	cwt											2.3000	14.23	32.73	32.73
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Diazinon AG600	pt											1.0000	5.92	5.92	5.92
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Bravo Weather Stick	pt											1.5000	7.74	11.61	11.61
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Oct	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Dipel ES	pt											1.0000	4.08	4.08	4.08
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Nov	0.86	0.57	0.05	0.09	0.18	1.81				3.38
HARVEST & PACK LABOR	hour			1.00	Nov					125.00	1115.00				1115.00
Boxes-Waxed	each											300.0000	1.76	528.00	528.00
Ice + Cooling	box											300.0000	0.75	225.00	225.00
TOTALS						36.54	24.22	39.19	80.63	166.59	1494.89			1679.00	3354.47
INTEREST ON OPERATING CAPITAL															27.34
UNALLOCATED LABOR															8.62
TOTAL SPECIFIED COST															3390.43

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 2.B Estimated costs per acre
 Broccoli, fall, fresh market
 Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	35.00	0.4950	17.33	_____
Fert 13-13-13	cwt	15.43	8.0000	123.44	_____
Amm Nitrate (34%)	cwt	14.23	2.3000	32.73	_____
FUNGICIDE					
Bravo Weather Stick	pt	7.74	4.5000	34.83	_____
HERBICIDE					
Treflan HFP	pt	3.11	1.5000	4.67	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	2.0000	11.84	_____
Dipel ES	pt	4.08	2.0000	8.16	_____
SEED/PLANTS					
Broccoli - Hybrid	thous	38.50	18.0000	693.00	_____
OTHER					
Boxes-Waxed	each	1.76	300.0000	528.00	_____
Ice + Cooling	box	0.75	300.0000	225.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	3.8404	43.14	_____
PLANTING LABOR					
Special Labor	hour	8.92	30.0000	267.60	_____
HAND LABOR					
Implements	hour	8.92	7.7530	69.15	_____
HARVEST & PACK LABOR					
Special Labor	hour	8.92	125.0000	1115.00	_____
UNALLOCATED LABOR	hour	11.22	0.7680	8.62	_____
DIESEL FUEL					
Tractors	gal	2.22	14.8256	32.90	_____
REPAIR & MAINTENANCE					
Implements	acre	39.19	1.0000	39.19	_____
Tractors	acre	3.64	1.0000	3.64	_____
INTEREST ON OP. CAP.	acre	27.34	1.0000	27.34	_____
TOTAL DIRECT EXPENSES				3285.58	_____
FIXED EXPENSES					
Implements	acre	80.63	1.0000	80.63	_____
Tractors	acre	24.22	1.0000	24.22	_____
TOTAL FIXED EXPENSES				104.85	_____
TOTAL SPECIFIED EXPENSES				3390.43	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 2.C Estimated monthly income and expense flows per acre
 Broccoli, fall, fresh market
 Mississippi, 2010

ITEM	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
FERTILIZER	17.33	123.44	32.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	11.61	23.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	4.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	5.92	10.00	4.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	693.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	753.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	369.78	13.41	3.31	1117.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	22.07	7.96	2.10	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	10.17	24.74	7.78	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.32	18.61	1.27	0.13	7.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	17.65	1259.27	113.33	17.40	1877.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-17.65	-1259.27	-113.33	-17.40	-1877.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-17.65	-1276.92	-1390.25	-1407.65	-3285.58	-3285.58	-3285.58	-3285.58	-3285.58	-3285.58	-3285.58	-3285.58

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 2.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Broccoli, fall, fresh market
 Mississippi, 2010

			-----BREAKEVEN PRICE-----										
Broccoli			8.12	8.57	9.10	9.71	10.43	11.30	12.36	13.68	15.38	17.65	20.83
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	211b	-1802	-1734	-1655	-1563	-1455	-1325	-1166	-967	-712	-371	104
			-1906	-1838	-1760	-1668	-1560	-1430	-1271	-1072	-817	-476	0
60	180.00	211b	-1611	-1529	-1435	-1325	-1195	-1039	-848	-610	-303	104	676
			-1716	-1634	-1540	-1430	-1300	-1144	-953	-715	-408	0	572
70	210.00	211b	-1420	-1325	-1215	-1087	-935	-753	-530	-252	104	581	1249
			-1525	-1430	-1320	-1191	-1040	-858	-635	-357	0	476	1144
80	240.00	211b	-1230	-1121	-995	-848	-675	-467	-212	104	513	1058	1821
			-1334	-1225	-1100	-953	-780	-572	-317	0	408	953	1716
90	270.00	211b	-1039	-916	-775	-610	-415	-181	104	462	922	1535	2393
			-1144	-1021	-880	-715	-520	-286	0	357	817	1430	2288
100	300.00	211b	-848	-712	-555	-371	-155	104	422	819	1330	2011	2965
			-953	-817	-660	-476	-260	0	317	715	1225	1906	2860
110	330.00	211b	-657	-508	-335	-133	104	390	740	1177	1739	2488	3537
			-762	-612	-440	-238	0	286	635	1072	1634	2383	3432
120	360.00	211b	-467	-303	-115	104	364	676	1058	1535	2148	2965	4109
			-572	-408	-220	0	260	572	953	1430	2043	2860	4004
130	390.00	211b	-276	-99	104	343	624	962	1376	1892	2556	3442	4681
			-381	-204	0	238	520	858	1271	1787	2451	3337	4576
140	420.00	211b	-85	104	324	581	884	1249	1693	2250	2965	3918	5253
			-190	0	220	476	780	1144	1589	2145	2860	3813	5148
150	450.00	211b	104	309	544	819	1145	1535	2011	2607	3373	4395	5825
			0	204	440	715	1040	1430	1906	2502	3269	4290	5720

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2009 input prices.

Table 3.A Estimated resource use and costs for field operations, per acre
Cabbage, spring, hand harvest
Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Jan							0.4950	35.00	17.33	17.33
Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Feb	0.80	0.53	0.06	0.23	0.08	0.95				2.57
Fert 13-13-13	cwt											8.0000	15.43	123.44	123.44
Chisel Plow	9'	2WD 75 hp	0.220	1.00	Feb	2.10	1.39	0.69	1.34	0.22	2.47				7.99
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Feb	1.89	1.25	0.43	1.02	0.19	2.23				6.82
Disk Bed	2-Row	2WD 75 hp	0.284	1.00	Feb	2.70	1.79	0.20	0.86	0.28	3.19				8.74
Cult + App Herb	4-Row	2WD 75 hp	0.193	1.00	Feb	1.84	1.22	0.34	0.99	0.29	3.04				7.43
Treflan HFP	pt											2.0000	3.11	6.23	6.23
Plntr/H2O Wheel	2-Row	2WD 75 hp	1.473	1.00	Feb	14.03	9.29	4.96	9.15	8.83	82.25				119.68
PLANTING LABOR	hour									30.00	267.60				267.60
Cabbage - Hybrid	thous											13.2000	31.23	412.24	412.24
Cultivate	4-Row	2WD 75 hp	0.155	3.00	Mar	4.43	2.94	1.00	2.92	0.46	5.22				16.51
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Mar	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Bravo Weather Stick	pt											1.5000	7.74	11.61	11.61
Kocide	lb											2.0000	3.54	7.08	7.08
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	Mar	1.84	1.22	1.22	6.36	0.29	3.04				13.68
Amm Nitrate (34%)	cwt											1.0000	14.23	14.23	14.23
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Endosulfan 3EC	pt											1.3300	4.09	5.44	5.44
Dipel ES	pt											1.0000	4.08	4.08	4.08
Side Dresser	2R 6'	2WD 75 hp	0.423	1.00	Apr			2.70	11.53						14.23
Amm Nitrate (34%)	cwt											1.0000	14.23	14.23	14.23
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Endosulfan 3EC	pt											1.3300	4.09	5.44	5.44
Dipel ES	pt											1.0000	4.08	4.08	4.08
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Asana XL	oz											6.0000	0.71	4.26	4.26
Dipel ES	pt											1.0000	4.08	4.08	4.08
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Confirm 2F	oz											24.0000	1.62	38.88	38.88
Dipel ES	pt											1.0000	4.08	4.08	4.08
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Jun	0.86	0.57	0.05	0.09	0.18	1.81				3.38
Harv.Labor S.Cabbage	box			1.00	Jun							600.0000	1.35	810.00	810.00
Grd & Pack S.Cabbage	box			1.00	Jun							600.0000	1.40	840.00	840.00
Box Cabbage	each											600.0000	2.70	1620.00	1620.00
Marketing Fee	box			1.00	Jun							600.0000	1.00	600.00	600.00
CoolingBox S.Cabbage	box			1.00	Jun							600.0000	0.25	150.00	150.00
TOTALS						42.14	27.95	49.40	108.09	42.08	385.60			4696.73	5309.91
INTEREST ON OPERATING CAPITAL															35.26
UNALLOCATED LABOR															9.95
TOTAL SPECIFIED COST															5355.12

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 3.B Estimated costs per acre
Cabbage, spring, hand harvest
Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	35.00	0.4950	17.33	_____
Fert 13-13-13	cwt	15.43	8.0000	123.44	_____
Amm Nitrate (34%)	cwt	14.23	2.0000	28.46	_____
FUNGICIDE					
Bravo Weather Stick	pt	7.74	1.5000	11.61	_____
Kocide	lb	3.54	2.0000	7.08	_____
HERBICIDE					
Treflan HFP	pt	3.11	2.0000	6.23	_____
INSECTICIDE					
Endosulfan 3EC	pt	4.09	2.6600	10.88	_____
Dipel ES	pt	4.08	4.0000	16.32	_____
Asana XL	oz	0.71	6.0000	4.26	_____
Confirm 2F	oz	1.62	24.0000	38.88	_____
SEED/PLANTS					
Cabbage - Hybrid	thous	31.23	13.2000	412.24	_____
OTHER					
Harv.Labor S.Cabbage	box	1.35	600.0000	810.00	_____
Grd & Pack S.Cabbage	box	1.40	600.0000	840.00	_____
Box Cabbage	each	2.70	600.0000	1620.00	_____
Marketing Fee	box	1.00	600.0000	600.00	_____
CoolingBox S.Cabbage	box	0.25	600.0000	150.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	4.4307	49.77	_____
PLANTING LABOR					
Special Labor	hour	8.92	30.0000	267.60	_____
HAND LABOR					
Implements	hour	8.92	7.6498	68.23	_____
UNALLOCATED LABOR	hour	11.22	0.8861	9.95	_____
DIESEL FUEL					
Tractors	gal	2.22	17.1044	37.95	_____
REPAIR & MAINTENANCE					
Implements	acre	49.40	1.0000	49.40	_____
Tractors	acre	4.19	1.0000	4.19	_____
INTEREST ON OP. CAP.	acre	35.26	1.0000	35.26	_____
TOTAL DIRECT EXPENSES				5219.08	_____
FIXED EXPENSES					
Implements	acre	108.09	1.0000	108.09	_____
Tractors	acre	27.95	1.0000	27.95	_____
TOTAL FIXED EXPENSES				136.04	_____
TOTAL SPECIFIED EXPENSES				5355.12	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 3.C Estimated monthly income and expense flows per acre
 Cabbage, spring, hand harvest
 Mississippi, 2010

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
FERTILIZER	17.33	123.44	14.23	14.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	18.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	6.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	9.52	60.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	412.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	0.00	4020.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	367.25	13.05	3.31	9.93	2.01	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	21.03	7.75	2.10	6.30	0.77	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	9.01	10.62	10.48	23.34	0.14	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.39	17.62	0.97	0.45	0.75	15.08	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	17.72	956.82	65.31	40.09	101.14	4038.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-17.72	-956.82	-65.31	-40.09	-101.14	-4038.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-17.72	-974.54	-1039.85	-1079.94	-1181.08	-5219.08	-5219.08	-5219.08	-5219.08	-5219.08	-5219.08	-5219.08

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 3.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Cabbage, spring, hand harvest
 Mississippi, 2010

			-----BREAKEVEN PRICE-----										
Cabbage			6.85	7.14	7.49	7.88	8.36	8.92	9.61	10.47	11.58	13.06	15.14
PERCENT	YIELD	UNIT	-----dollars-----										
50	300.00	50lb	-2349 -2486	-2261 -2397	-2158 -2294	-2039 -2175	-1897 -2034	-1728 -1864	-1521 -1657	-1262 -1398	-929 -1065	-485 -621	136 0
60	360.00	50lb	-2101 -2237	-1994 -2130	-1871 -2007	-1728 -1864	-1558 -1695	-1355 -1491	-1106 -1243	-796 -932	-396 -532	136 0	881 745
70	420.00	50lb	-1852 -1988	-1728 -1864	-1585 -1721	-1417 -1553	-1219 -1356	-982 -1118	-692 -828	-330 -466	136 0	757 621	1627 1491
80	480.00	50lb	-1604 -1740	-1462 -1598	-1298 -1434	-1106 -1243	-880 -1017	-609 -745	-278 -414	136 0	668 532	1379 1243	2373 2237
90	540.00	50lb	-1355 -1491	-1195 -1331	-1011 -1147	-796 -932	-541 -678	-236 -372	136 0	602 466	1201 1065	2000 1864	3119 2983
100	600.00	50lb	-1106 -1243	-929 -1065	-724 -860	-485 -621	-202 -339	136 0	550 414	1068 932	1734 1598	2622 2486	3865 3729
110	660.00	50lb	-858 -994	-663 -799	-437 -573	-174 -310	136 0	508 372	964 828	1534 1398	2266 2130	3243 3107	4610 4474
120	720.00	50lb	-609 -745	-396 -532	-150 -286	136 0	475 339	881 745	1379 1243	2000 1864	2799 2663	3865 3729	5356 5220
130	780.00	50lb	-361 -497	-130 -266	136 0	446 310	814 678	1254 1118	1793 1657	2466 2330	3332 3196	4486 4350	6102 5966
140	840.00	50lb	-112 -248	136 0	422 286	757 621	1153 1017	1627 1491	2207 2071	2932 2796	3865 3729	5108 4972	6848 6712
150	900.00	50lb	136 0	402 266	709 573	1068 932	1492 1356	2000 1864	2622 2486	3398 3262	4397 4261	5729 5593	7594 7458

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2009 input prices.

Table 4.A Estimated resource use and costs for field operations, per acre
 Cucumbers, slicers, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Mar							0.4950	35.00	17.33	17.33
Chisel Plow	9'	2WD 75 hp	0.220	1.00	Mar	2.10	1.39	0.69	1.34	0.22	2.47				7.99
Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Mar	0.80	0.53	0.06	0.23	0.08	0.95				2.57
Fert 13-13-13	cwt											6.0000	15.43	92.58	92.58
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Mar	1.89	1.25	0.43	1.02	0.19	2.23				6.82
Disk + Incorporate	10'	2WD 75 hp	0.206	1.00	Apr	1.97	1.30	0.80	1.56	0.30	3.24				8.87
Diazinon AG600	pt											6.0000	5.92	35.52	35.52
BS,Lay/Tape/Cucumber	Bed 4'cntr	2WD 75 hp	1.617	1.00	Apr	15.40	10.21	2.57	8.23	1.61	18.17				54.58
Plastic Mulch	roll											2.2000	162.00	356.40	356.40
Drip Tape	roll											1.5000	156.00	234.00	234.00
Plntr/H2O Cucumber	1R 4'cntr	2WD 75 hp	2.578	1.00	Apr	24.54	16.26	2.27	4.18	10.31	97.94				145.19
Cucumber - Hybrid	lb											3.0000	117.00	351.00	351.00
Irrigation				1.00	Apr										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Asana XL	oz											6.0000	0.71	4.26	4.26
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									2.00	17.84				17.84
Calcium Nitrate	lb											50.0000	0.35	17.50	17.50
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Apr	0.60	0.40	0.15	0.20	0.09	0.98				2.33
Sandea	oz											0.5000	38.45	19.23	19.23
Select 2EC	oz											6.0000	1.53	9.18	9.18
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Bravo Weather Stick	pt											1.5000	7.74	11.61	11.61
Fertigate CAN03/KN03				2.00	May										
FERTIGATION LABOR	hour									2.00	17.84				17.84
Calcium Nitrate	lb											50.0000	0.35	17.50	17.50
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Bravo Weather Stick	pt											1.5000	7.74	11.61	11.61
Asana XL	oz											6.0000	0.71	4.26	4.26
Fertigate CAN03/KN03				2.00	May										
FERTIGATION LABOR	hour									2.00	17.84				17.84
Calcium Nitrate	lb											50.0000	0.35	17.50	17.50
Fertigate CAN03/KN03				1.00	Jun										
FERTIGATION LABOR	hour									1.00	8.92				8.92
Calcium Nitrate	lb											25.0000	0.35	8.75	8.75
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jun	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Asana XL	oz											6.0000	0.71	4.26	4.26
Fertigate CAN03/KN03				1.00	Jun										
FERTIGATION LABOR	hour									1.00	8.92				8.92
Calcium Nitrate	lb											25.0000	0.35	8.75	8.75

(continued)

Table 4.A Estimated resource use and costs for field operations, per acre
 Cucumbers, slicers, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2010 (continued)

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jun	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Bravo Weather Stick	pt											3.0000	7.74	23.22	23.22
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Jun	0.86	0.57	0.05	0.09	0.18	1.81				3.38
HARVEST LABOR	hour			1.00	Jun					120.00	1070.40				1070.40
5-Gal Bucket	each											200.0000	3.00	600.00	600.00
Labor(Packing)	each											300.0000	0.75	225.00	225.00
Boxes-Waxed	each											300.0000	1.76	528.00	528.00
Plastic Clean Up				1.00	Jun										
Mulch Lifter	1-Row	2WD 75 hp	0.589			5.61	3.72	0.13	2.78	0.58	6.62				18.86
Labor Clean up	acre											1.0000	100.00	100.00	100.00
Irrigation Setup	acre				Apr							1.0000			462.61
TOTALS						65.42	43.38	44.90	93.23	142.83	1289.97			3147.52	5147.03
INTEREST ON OPERATING CAPITAL															31.69
UNALLOCATED LABOR															15.42
TOTAL SPECIFIED COST															5194.14

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

Table 4.B Estimated costs per acre
 Cucumbers, slicers, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	35.00	0.4950	17.33	_____
Fert 13-13-13	cwt	15.43	6.0000	92.58	_____
Calcium Nitrate	lb	0.35	200.0000	70.00	_____
FUNGICIDE					
Bravo Weather Stick	pt	7.74	6.0000	46.44	_____
HERBICIDE					
Sandea	oz	38.45	0.5000	19.23	_____
Select 2EC	oz	1.53	6.0000	9.18	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	6.0000	35.52	_____
Asana XL	oz	0.71	18.0000	12.78	_____
SEED/PLANTS					
Cucumber - Hybrid	lb	117.00	3.0000	351.00	_____
OTHER					
Plastic Mulch	roll	162.00	2.2000	356.40	_____
5-Gal Bucket	each	3.00	200.0000	600.00	_____
Labor(Packing)	each	0.75	300.0000	225.00	_____
Boxes-Waxed	each	1.76	300.0000	528.00	_____
Labor Clean up	acre	100.00	1.0000	100.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	1.5000	234.00	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	11.23	6.8745	77.22	_____
HARVEST LABOR					
Special Labor	hour	8.92	120.0000	1070.40	_____
HAND LABOR					
Implements	hour	8.92	7.9588	70.99	_____
FERTIGATION LABOR					
Special Labor	hour	8.92	8.0000	71.36	_____
UNALLOCATED LABOR	hour	11.21	1.3749	15.42	_____
DIESEL FUEL					
Tractors	gal	2.22	26.5383	58.89	_____
REPAIR & MAINTENANCE					
Implements	acre	44.90	1.0000	44.90	_____
Tractors	acre	6.53	1.0000	6.53	_____
INTEREST ON OP. CAP.	acre	31.69	1.0000	31.69	_____
TOTAL DIRECT EXPENSES				4594.92	_____
FIXED EXPENSES					
Implements	acre	93.23	1.0000	93.23	_____
Tractors	acre	43.38	1.0000	43.38	_____
Irrigation Setup	acre	462.61	1.0000	462.61	_____
TOTAL FIXED EXPENSES				599.22	_____
TOTAL SPECIFIED EXPENSES				5194.14	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.
 Irrigation implies 6 acre inches applied as needed over the
 production period for both fertigation and water needs.

Table 4.C Estimated monthly income and expense flows per acre
 Cucumbers, slicers, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2010

ITEM	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
FERTILIZER	109.91	17.50	35.00	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	11.61	11.61	23.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	28.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	39.78	4.26	4.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	351.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	356.40	0.00	1453.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	684.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	6.78	154.81	38.99	1104.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	4.31	42.46	2.10	10.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	1.66	25.60	7.78	16.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.84	19.26	0.74	9.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	124.50	1730.89	100.48	2639.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-124.50	-1730.89	-100.48	-2639.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-124.50	-1855.39	-1955.87	-4594.92	-4594.92	-4594.92	-4594.92	-4594.92	-4594.92	-4594.92	-4594.92	-4594.92

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

* Lease costs are based on hourly usage costs.

Table 4.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Cucumbers, slicers, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2010

Cucumbers			-----BREAKEVEN PRICE-----										
			12.38	13.08	13.89	14.84	15.96	17.31	18.95	21.01	23.65	27.17	32.10
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	551b	-2359 -2958	-2253 -2853	-2132 -2731	-1989 -2589	-1821 -2420	-1619 -2219	-1373 -1972	-1065 -1664	-668 -1268	-140 -739	599 0
60	180.00	551b	-2063 -2662	-1936 -2536	-1790 -2389	-1619 -2219	-1418 -2017	-1176 -1775	-880 -1479	-510 -1109	-34 -634	599 0	1486 887
70	210.00	551b	-1767 -2367	-1619 -2219	-1449 -2048	-1250 -1849	-1014 -1613	-732 -1331	-387 -986	44 -554	599 0	1338 739	2374 1775
80	240.00	551b	-1471 -2071	-1302 -1902	-1107 -1707	-880 -1479	-611 -1210	-288 -887	106 -493	599 0	1233 634	2078 1479	3262 2662
90	270.00	551b	-1176 -1775	-985 -1585	-766 -1365	-510 -1109	-207 -806	155 -443	599 0	1154 554	1867 1268	2818 2219	4149 3550
100	300.00	551b	-880 -1479	-668 -1268	-425 -1024	-140 -739	195 -403	599 0	1092 493	1708 1109	2501 1902	3558 2958	5037 4438
110	330.00	551b	-584 -1183	-351 -951	-83 -682	229 -369	599 0	1043 443	1585 986	2263 1664	3135 2536	4297 3698	5925 5325
120	360.00	551b	-288 -887	-34 -634	257 -341	599 0	1002 403	1486 887	2078 1479	2818 2219	3769 3170	5037 4438	6812 6213
130	390.00	551b	7 -591	282 -317	599 0	969 369	1406 806	1930 1331	2571 1972	3373 2773	4403 3804	5777 5178	7700 7101
140	420.00	551b	303 -295	599 0	940 341	1338 739	1809 1210	2374 1775	3064 2465	3927 3328	5037 4438	6516 5917	8588 7988
150	450.00	551b	599 0	916 317	1282 682	1708 1109	2213 1613	2818 2219	3558 2958	4482 3883	5671 5072	7256 6657	9475 8876

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2009 input prices.

Table 5.A Estimated resource use and costs for field operations, per acre
Greens (turnip, mustard, collards), fresh market
Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Jan							0.4950	35.00	17.33	17.33
Chisel Plow	9'	2WD 75 hp	0.220	1.00	Aug	2.10	1.39	0.69	1.34	0.22	2.47				7.99
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Aug	3.78	2.50	0.87	2.03	0.39	4.45				13.63
Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Aug	0.80	0.53	0.06	0.23	0.08	0.95				2.57
Fert 13-13-13	cwt											6.0000	15.43	92.58	92.58
Disk + Incorporate	10'	2WD 75 hp	0.206	1.00	Aug	1.97	1.30	0.80	1.56	0.30	3.24				8.87
Treflan HFP	pt											1.5000	3.11	4.67	4.67
Cultipacker	12'	2WD 75 hp	0.124	1.00	Aug	1.19	0.78	0.16	0.25	0.12	1.40				3.78
Plntr-vacuum+insect	2R 30-40	2WD 75 hp	0.396	1.00	Sep	3.78	2.50	11.65	21.11	0.39	4.45				43.49
Greens - Hybrid	lb											3.3000	114.00	376.20	376.20
Admire Pro	oz											8.0000	5.06	40.48	40.48
Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Sep	0.80	0.53	0.06	0.23	0.08	0.95				2.57
Amm Nitrate (34%)	cwt											1.0000	14.23	14.23	14.23
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Kocide	lb											1.5000	3.54	5.31	5.31
Quadris	oz											15.4000	2.56	39.42	39.42
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Malathion 5E	pt											2.0000	3.81	7.62	7.62
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Oct	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Radiant 1SC	oz											5.0000	4.99	24.95	24.95
Stacking Bins	each			1.00	Oct							20.0000	2.00	40.00	40.00
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Oct	0.86	0.57	0.05	0.09	0.18	1.81				3.38
HARVEST & PACK LABOR	hour			1.00	Oct					175.00	1561.00				1561.00
Boxes-Waxed	each			1.00	Oct							500.0000	1.76	880.00	880.00
Cooling Box - Greens box												500.0000	0.25	125.00	125.00
TOTALS						22.27	14.75	36.99	71.00	177.53	1589.00			1667.79	3401.80
INTEREST ON OPERATING CAPITAL															15.96
UNALLOCATED LABOR															5.24
TOTAL SPECIFIED COST															3423.00

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 5.B Estimated costs per acre
Greens (turnip, mustard, collards), fresh market
Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	35.00	0.4950	17.33	_____
Fert 13-13-13	cwt	15.43	6.0000	92.58	_____
Amm Nitrate (34%)	cwt	14.23	1.0000	14.23	_____
FUNGICIDE					
Kocide	lb	3.54	1.5000	5.31	_____
Quadris	oz	2.56	15.4000	39.42	_____
HERBICIDE					
Treflan HFP	pt	3.11	1.5000	4.67	_____
INSECTICIDE					
Admire Pro	oz	5.06	8.0000	40.48	_____
Malathion 5E	pt	3.81	2.0000	7.62	_____
Radiant 1SC	oz	4.99	5.0000	24.95	_____
SEED/PLANTS					
Greens - Hybrid	lb	114.00	3.3000	376.20	_____
OTHER					
Stacking Bins	each	2.00	20.0000	40.00	_____
Boxes-Waxed	each	1.76	500.0000	880.00	_____
Cooling Box - Greens	box	0.25	500.0000	125.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	2.3392	26.28	_____
HAND LABOR					
Implements	hour	8.92	0.1931	1.72	_____
HARVEST & PACK LABOR					
Special Labor	hour	8.92	175.0000	1561.00	_____
UNALLOCATED LABOR	hour	11.20	0.4678	5.24	_____
DIESEL FUEL					
Tractors	gal	2.22	9.0304	20.04	_____
REPAIR & MAINTENANCE					
Implements	acre	36.99	1.0000	36.99	_____
Tractors	acre	2.23	1.0000	2.23	_____
INTEREST ON OP. CAP.	acre	15.96	1.0000	15.96	_____
TOTAL DIRECT EXPENSES				3337.25	_____
FIXED EXPENSES					
Implements	acre	71.00	1.0000	71.00	_____
Tractors	acre	14.75	1.0000	14.75	_____
TOTAL FIXED EXPENSES				85.75	_____
TOTAL SPECIFIED EXPENSES				3423.00	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 5.C Estimated monthly income and expense flows per acre
Greens (turnip, mustard, collards), fresh market
Mississippi, 2010

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
FERTILIZER	17.33	0.00	0.00	0.00	0.00	0.00	0.00	92.58	14.23	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.73	0.00	0.00	0.00
HERBICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.67	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.10	24.95	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	376.20	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1045.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.82	13.10	1566.32	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.85	8.32	2.87	0.00	0.00
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.57	27.73	7.92	0.00	0.00
INTEREST ON OP. CAP.	0.65	0.00	0.00	0.00	0.00	0.00	0.00	1.38	4.01	9.92	0.00	0.00
TOTAL DIRECT EXPENSES	17.98	0.00	0.00	0.00	0.00	0.00	0.00	125.87	536.42	2656.98	0.00	0.00
NET INCOME	-17.98	0.00	0.00	0.00	0.00	0.00	0.00	-125.87	-536.42	-2656.98	0.00	0.00
NET INCOME TO DATE	-17.98	-17.98	-17.98	-17.98	-17.98	-17.98	-17.98	-143.85	-680.27	-3337.25	-3337.25	-3337.25

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 5.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Greens (turnip, mustard, collards), fresh market
 Mississippi, 2010

Greens (25lb)			-----BREAKEVEN PRICE-----										
			5.15	5.39	5.67	5.99	6.38	6.84	7.41	8.11	9.02	10.23	11.92
PERCENT	YIELD	UNIT	-----dollars-----										
50	250.00	2doz	-1607 -1693	-1546 -1632	-1477 -1562	-1395 -1481	-1299 -1385	-1184 -1269	-1043 -1128	-866 -952	-639 -725	-337 -423	85 0
60	300.00	2doz	-1438 -1523	-1365 -1451	-1281 -1367	-1184 -1269	-1068 -1154	-930 -1015	-760 -846	-549 -634	-277 -362	85 0	593 507
70	350.00	2doz	-1268 -1354	-1184 -1269	-1086 -1172	-972 -1058	-837 -923	-676 -761	-478 -564	-231 -317	85 0	509 423	1101 1015
80	400.00	2doz	-1099 -1185	-1002 -1088	-891 -976	-760 -846	-606 -692	-422 -507	-196 -282	85 0	448 362	932 846	1609 1523
90	450.00	2doz	-930 -1015	-821 -907	-695 -781	-549 -634	-376 -461	-168 -253	85 0	403 317	811 725	1355 1269	2117 2031
100	500.00	2doz	-760 -846	-639 -725	-500 -586	-337 -423	-145 -230	85 0	367 282	720 634	1174 1088	1778 1693	2625 2539
110	550.00	2doz	-591 -677	-458 -544	-304 -390	-125 -211	85 0	339 253	650 564	1038 952	1537 1451	2202 2116	3133 3047
120	600.00	2doz	-422 -507	-277 -362	-109 -195	85 0	316 230	593 507	932 846	1355 1269	1899 1814	2625 2539	3641 3555
130	650.00	2doz	-252 -338	-95 -181	85 0	297 211	547 461	847 761	1214 1128	1673 1587	2262 2176	3048 2962	4149 4063
140	700.00	2doz	-83 -169	85 0	281 195	509 423	778 692	1101 1015	1496 1410	1990 1904	2625 2539	3472 3386	4657 4571
150	750.00	2doz	85 0	267 181	476 390	720 634	1009 923	1355 1269	1778 1693	2307 2222	2988 2902	3895 3809	5165 5079

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2009 input prices.

Table 6.A Estimated resource use and costs for field operations, per acre
Lima/butter beans, hand harvest
Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Jan							0.4950	35.00	17.33	17.33
Chisel Plow	9'	2WD 75 hp	0.220	1.00	Jan	2.10	1.39	0.69	1.34	0.22	2.47				7.99
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Mar	1.89	1.25	0.43	1.02	0.19	2.23				6.82
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Mar	1.34	0.89	0.41	1.19	0.21	2.21				6.04
Amm Nitrate (34%)	cwt											1.5000	14.23	21.35	21.35
Phosphorus(46% P205)	cwt											1.5600	15.35	23.95	23.95
Potash (60% K20)	cwt											1.2000	26.10	31.32	31.32
Cult + App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	1.84	1.22	0.34	0.99	0.29	3.04				7.43
Treflan HFP	pt											1.5000	3.11	4.67	4.67
Diazinon AG600	pt											1.0000	5.92	5.92	5.92
Plntr - Vacuum	2-Row	2WD 75 hp	0.396	1.00	Apr	3.78	2.50	6.67	12.09	0.39	4.45				29.49
Lima Bean - Hybrid	lb											30.0000	4.00	120.00	120.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Sevin XLR Plus	qt											1.0000	9.85	9.85	9.85
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	May	1.84	1.22	1.22	6.36	0.29	3.04				13.68
Amm Nitrate (34%)	cwt											1.0000	14.23	14.23	14.23
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Kocide	lb											1.5000	3.54	5.31	5.31
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Sevin XLR Plus	qt											2.0000	9.85	19.70	19.70
HARVEST LABOR	hour			1.00	Jun					136.00	1213.12				1213.12
5-Gal Bucket	each											40.0000	3.00	120.00	120.00
Sheller Lima Beans	each			1.00	Jun				7.55			0.0200			7.55
107/10 lb bg L/BBean	acre							0.26		9.00	80.28	1.0000			80.54
R.B.Convey LimaBeans	each			1.00	Jun				3.08			0.0200			3.08
Rot.PakTable L-Beans	each			1.00	Jun				3.07			0.0200			3.07
Application 1	acre							0.14		5.00	44.60	1.0000			44.74
Bag Sealer LimaBeans	each			1.00	Jun				0.24			0.0200			0.24
Application 1	acre							0.15		0.12	1.07	1.0000			1.22
TOTALS						19.78	13.12	32.96	81.09	152.46	1364.79			393.63	1905.37
INTEREST ON OPERATING CAPITAL															9.70
UNALLOCATED LABOR															4.68
TOTAL SPECIFIED COST															1919.75

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 6.B Estimated costs per acre
Lima/butter beans, hand harvest
Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	35.00	0.4950	17.33	_____
Amm Nitrate (34%)	cwt	14.23	2.5000	35.58	_____
Phosphorus(46% P205)	cwt	15.35	1.5600	23.95	_____
Potash (60% K20)	cwt	26.10	1.2000	31.32	_____
FUNGICIDE					
Kocide	lb	3.54	1.5000	5.31	_____
HERBICIDE					
Treflan HFP	pt	3.11	1.5000	4.67	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	1.0000	5.92	_____
Sevin XLR Plus	qt	9.85	3.0000	29.55	_____
SEED/PLANTS					
Lima Bean - Hybrid	lb	4.00	30.0000	120.00	_____
OTHER					
5-Gal Bucket	each	3.00	40.0000	120.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	2.0805	23.37	_____
HARVEST LABOR					
Special Labor	hour	8.92	136.0000	1213.12	_____
HAND LABOR					
Implements	hour	8.92	0.2643	2.35	_____
GRD LABOR LIMA BEANS					
Bag Sealer LimaBeans	hour	8.92	0.1200	1.07	_____
Rot.PakTable L-Beans	hour	8.92	5.0000	44.60	_____
Sheller Lima Beans	hour	8.92	9.0000	80.28	_____
UNALLOCATED LABOR	hour	11.24	0.4161	4.68	_____
DIESEL FUEL					
Tractors	gal	2.22	8.0318	17.82	_____
REPAIR & MAINTENANCE					
Implements	acre	32.41	1.0000	32.41	_____
Tractors	acre	1.96	1.0000	1.96	_____
Bag Sealer LimaBeans	acre	0.15	1.0000	0.15	_____
Rot.PakTable L-Beans	acre	0.14	1.0000	0.14	_____
Sheller Lima Beans	acre	0.26	1.0000	0.26	_____
INTEREST ON OP. CAP.	acre	9.70	1.0000	9.70	_____
TOTAL DIRECT EXPENSES				1825.54	_____
FIXED EXPENSES					
Implements	acre	67.15	1.0000	67.15	_____
Tractors	acre	13.12	1.0000	13.12	_____
Bag Sealer LimaBeans	each	11.94	0.0200	0.24	_____
R.B.Convey LimaBeans	each	153.87	0.0200	3.08	_____
Rot.PakTable L-Beans	each	153.25	0.0200	3.07	_____
Sheller Lima Beans	each	377.33	0.0200	7.55	_____
TOTAL FIXED EXPENSES				94.21	_____
TOTAL SPECIFIED EXPENSES				1919.75	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 6.C Estimated monthly income and expense flows per acre
 Lima/butter beans, hand harvest
 Mississippi, 2010

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
FERTILIZER	17.33	0.00	76.62	0.00	14.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	5.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	0.00	4.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	5.92	29.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.96	0.00	5.21	8.82	13.41	1339.07	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.89	0.00	2.91	5.06	7.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.90	0.00	1.16	7.57	24.74	0.55	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.52	0.00	1.28	1.71	0.72	5.47	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	23.60	0.00	87.18	153.75	95.92	1465.09	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-23.60	0.00	-87.18	-153.75	-95.92	-1465.09	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-23.60	-23.60	-110.78	-264.53	-360.45	-1825.54	-1825.54	-1825.54	-1825.54	-1825.54	-1825.54	-1825.54

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 6.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Lima/butter beans, hand harvest
 Mississippi, 2010

			-----BREAKEVEN PRICE-----										
Lima/Butter Beans			11.96	12.81	13.80	14.95	16.31	17.94	19.93	22.42	25.63	29.90	35.88
PERCENT	YIELD	UNIT	-----dollars-----										
50	53.50	101b	-1185 -1279	-1139 -1234	-1087 -1181	-1025 -1119	-952 -1047	-865 -959	-759 -853	-625 -719	-454 -548	-225 -319	94 0
60	64.20	101b	-1057 -1151	-1002 -1097	-939 -1033	-865 -959	-778 -872	-673 -767	-545 -639	-385 -479	-180 -274	94 0	478 383
70	74.90	101b	-929 -1023	-865 -959	-791 -886	-705 -799	-603 -698	-481 -575	-332 -426	-145 -239	94 0	414 319	862 767
80	85.60	101b	-801 -895	-728 -822	-644 -738	-545 -639	-429 -523	-289 -383	-119 -213	94 0	368 274	734 639	1246 1151
90	96.30	101b	-673 -767	-591 -685	-496 -590	-385 -479	-254 -349	-97 -191	94 0	334 239	642 548	1054 959	1630 1535
100	107.00	101b	-545 -639	-454 -548	-348 -443	-225 -319	-80 -174	94 0	307 213	574 479	916 822	1374 1279	2013 1919
110	117.70	101b	-417 -511	-317 -411	-201 -295	-65 -159	94 0	286 191	520 426	814 719	1191 1097	1694 1599	2397 2303
120	128.40	101b	-289 -383	-180 -274	-53 -147	94 0	268 174	478 383	734 639	1054 959	1465 1371	2013 1919	2781 2687
130	139.10	101b	-161 -255	-42 -137	94 0	254 159	443 349	670 575	947 853	1294 1199	1739 1645	2333 2239	3165 3071
140	149.80	101b	-33 -127	94 0	241 147	414 319	617 523	862 767	1160 1066	1534 1439	2013 1919	2653 2559	3549 3455
150	160.50	101b	94 0	231 137	389 295	574 479	792 698	1054 959	1374 1279	1773 1679	2288 2194	2973 2879	3933 3839

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2009 input prices.

Table 7.A Estimated resource use and costs for field operations, per acre
 Lima/butter beans, mechanical harvest
 Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Jan							0.4950	35.00	17.33	17.33
Chisel Plow	9'	2WD 75 hp	0.220	1.00	Jan	2.10	1.39	0.69	1.34	0.22	2.47				7.99
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Mar	1.89	1.25	0.43	1.02	0.19	2.23				6.82
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Mar	1.34	0.89	0.41	1.19	0.21	2.21				6.04
Amm Nitrate (34%)	cwt											1.5000	14.23	21.35	21.35
Phosphorus(46% P205)	cwt											1.5600	15.35	23.95	23.95
Potash (60% K20)	cwt											1.2000	26.10	31.32	31.32
Cult + App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	1.84	1.22	0.34	0.99	0.29	3.04				7.43
Treflan HFP	pt											1.5000	3.11	4.67	4.67
Diazinon AG600	pt											1.0000	5.92	5.92	5.92
Plntr - Vacuum	2-Row	2WD 75 hp	0.396	1.00	Apr	3.78	2.50	6.67	12.09	0.39	4.45				29.49
Lima Bean - Hybrid	lb											30.0000	4.00	120.00	120.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Sevin XLR Plus	qt											1.0000	9.85	9.85	9.85
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	May	1.84	1.22	1.22	6.36	0.29	3.04				13.68
Amm Nitrate (34%)	cwt											1.0000	14.23	14.23	14.23
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Kocide	lb											1.5000	3.54	5.31	5.31
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Sevin XLR Plus	qt											2.0000	9.85	19.70	19.70
Picker Beans/Peas	1-Row	2WD 75 hp	3.571	1.00	Jun	34.00	22.53	46.93	43.58	10.71	103.82				250.86
Trailer-Lima/B. Bean	16'	2WD 75 hp	3.571	1.00	Jun	34.00	22.53	2.12	3.99	7.14	71.97				134.61
LABOR BEAN TRAILER	hour														31.93
Sheller Lima Beans	each			1.00	Jun				7.55			0.0200			7.55
65/10 lb bg L/BBean	acre							0.26		9.00	80.28	1.0000			80.54
R.B.Convey LimaBeans	each			1.00	Jun				3.08			0.0200			3.08
Rot.PakTable L-Beans	each			1.00	Jun				3.07			0.0200			3.07
Application 1	acre							0.14		5.00	44.60	1.0000			44.74
Bag Sealer LimaBeans	each			1.00	Jun				0.24			0.0200			0.24
Application 1	acre							0.15		0.12	1.07	1.0000			1.22
TOTALS						87.78	58.18	82.01	128.66	37.90	359.39			273.63	989.65
INTEREST ON OPERATING CAPITAL															5.98
UNALLOCATED LABOR															20.72
TOTAL SPECIFIED COST															1016.35

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 7.B Estimated costs per acre
Lima/butter beans, mechanical harvest
Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	35.00	0.4950	17.33	_____
Amm Nitrate (34%)	cwt	14.23	2.5000	35.58	_____
Phosphorus(46% P205)	cwt	15.35	1.5600	23.95	_____
Potash (60% K20)	cwt	26.10	1.2000	31.32	_____
FUNGICIDE					
Kocide	lb	3.54	1.5000	5.31	_____
HERBICIDE					
Treflan HFP	pt	3.11	1.5000	4.67	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	1.0000	5.92	_____
Sevin XLR Plus	qt	9.85	3.0000	29.55	_____
SEED/PLANTS					
Lima Bean - Hybrid	lb	4.00	30.0000	120.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	9.2234	103.59	_____
HAND LABOR					
Implements	hour	8.92	10.9786	97.92	_____
LABOR BEAN TRAILER					
Special Labor	hour	8.92	3.5800	31.93	_____
GRD LABOR LIMA BEANS					
Bag Sealer LimaBeans	hour	8.92	0.1200	1.07	_____
Rot.PakTable L-Beans	hour	8.92	5.0000	44.60	_____
Sheller Lima Beans	hour	8.92	9.0000	80.28	_____
UNALLOCATED LABOR	hour	11.23	1.8446	20.72	_____
DIESEL FUEL					
Tractors	gal	2.22	35.6061	79.04	_____
REPAIR & MAINTENANCE					
Implements	acre	81.46	1.0000	81.46	_____
Tractors	acre	8.74	1.0000	8.74	_____
Bag Sealer LimaBeans	acre	0.15	1.0000	0.15	_____
Rot.PakTable L-Beans	acre	0.14	1.0000	0.14	_____
Sheller Lima Beans	acre	0.26	1.0000	0.26	_____
INTEREST ON OP. CAP.	acre	5.98	1.0000	5.98	_____
TOTAL DIRECT EXPENSES				829.51	_____
FIXED EXPENSES					
Implements	acre	114.72	1.0000	114.72	_____
Tractors	acre	58.18	1.0000	58.18	_____
Bag Sealer LimaBeans	each	11.94	0.0200	0.24	_____
R.B.Convey LimaBeans	each	153.87	0.0200	3.08	_____
Rot.PakTable L-Beans	each	153.25	0.0200	3.07	_____
Sheller Lima Beans	each	377.33	0.0200	7.55	_____
TOTAL FIXED EXPENSES				186.84	_____
TOTAL SPECIFIED EXPENSES				1016.35	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 7.C Estimated monthly income and expense flows per acre
 Lima/butter beans, mechanical harvest
 Mississippi, 2010

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
FERTILIZER	17.33	0.00	76.62	0.00	14.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	5.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	0.00	4.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	5.92	29.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.96	0.00	5.21	8.82	13.41	349.71	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.89	0.00	2.91	5.06	7.96	61.22	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.90	0.00	1.16	7.57	24.74	56.38	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.52	0.00	1.28	1.71	0.72	1.75	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	23.60	0.00	87.18	153.75	95.92	469.06	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-23.60	0.00	-87.18	-153.75	-95.92	-469.06	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-23.60	-23.60	-110.78	-264.53	-360.45	-829.51	-829.51	-829.51	-829.51	-829.51	-829.51	-829.51

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 7.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Lima/butter beans, mechanical harvest
 Mississippi, 2010

			-----BREAKEVEN PRICE-----										
Lima/Butter Beans			10.42	11.16	12.02	13.03	14.21	15.63	17.37	19.54	22.33	26.06	31.27
PERCENT	YIELD	UNIT	-----dollars-----										
50	32.50	101b	-490 -677	-466 -653	-438 -625	-406 -592	-367 -554	-321 -508	-264 -451	-194 -381	-103 -290	17 -169	186 0
60	39.00	101b	-422 -609	-393 -580	-360 -547	-321 -508	-275 -461	-219 -406	-151 -338	-67 -254	41 -145	186 0	390 203
70	45.50	101b	-355 -542	-321 -508	-282 -469	-236 -423	-182 -369	-118 -304	-39 -225	59 -127	186 0	356 169	593 406
80	52.00	101b	-287 -474	-248 -435	-204 -390	-151 -338	-90 -277	-16 -203	73 -112	186 0	332 145	525 338	796 609
90	58.50	101b	-219 -406	-176 -362	-125 -312	-67 -254	2 -184	85 -101	186 0	313 127	477 290	695 508	999 813
100	65.00	101b	-151 -338	-103 -290	-47 -234	17 -169	94 -92	186 0	299 112	440 254	622 435	864 677	1203 1016
110	71.50	101b	-84 -271	-30 -217	30 -156	102 -84	186 0	288 101	412 225	567 381	767 580	1033 846	1406 1219
120	78.00	101b	-16 -203	41 -145	108 -78	186 0	279 92	390 203	525 338	695 508	912 725	1203 1016	1609 1422
130	84.50	101b	51 -135	114 -72	186 0	271 84	371 184	491 304	638 451	822 635	1057 871	1372 1185	1813 1626
140	91.00	101b	119 -67	186 0	265 78	356 169	464 277	593 406	751 564	949 762	1203 1016	1541 1355	2016 1829
150	97.50	101b	186 0	259 72	343 156	440 254	556 369	695 508	864 677	1076 889	1348 1161	1711 1524	2219 2032

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2009 input prices.

Table 8.A Estimated resource use and costs for field operations, per acre
Okra, fresh market
Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Mar							0.4950	35.00	17.33	17.33
Chisel Plow	9'	2WD 75 hp	0.220	1.00	Mar	2.10	1.39	0.69	1.34	0.22	2.47				7.99
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Mar	3.78	2.50	0.87	2.03	0.39	4.45				13.63
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Apr	1.34	0.89	0.41	1.19	0.21	2.21				6.04
Amm Nitrate (34%)	cwt											0.7000	14.23	9.96	9.96
Phosphorus(46% P205)	cwt											1.5600	15.35	23.95	23.95
Potash (60% K20)	cwt											1.2000	26.10	31.32	31.32
Cult + App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	1.84	1.22	0.34	0.99	0.29	3.04				7.43
Treflan HFP	pt											1.5000	3.11	4.67	4.67
Plntr - Vacuum	2-Row	2WD 75 hp	0.396	1.00	Apr	3.78	2.50	6.67	12.09	0.39	4.45				29.49
Okra - Hybrid	lb											8.8000	175.00	1540.00	1540.00
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	Apr	1.84	1.22	1.22	6.36	0.29	3.04				13.68
Amm Nitrate (34%)	cwt											1.0000	14.23	14.23	14.23
Cultivate	4-Row	2WD 75 hp	0.155	2.00	May	2.95	1.96	0.67	1.94	0.31	3.48				11.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	4.68	3.10	15.09	29.44	0.49	5.51				57.82
Provado 1.6	oz											7.6000	1.98	15.05	15.05
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	May	1.84	1.22	1.22	6.36	0.29	3.04				13.68
Amm Nitrate (34%)	cwt											1.0000	14.23	14.23	14.23
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	3.00	Jun	7.01	4.65	22.64	44.15	0.73	8.27				86.72
Mustang Max	oz											12.0000	1.55	18.60	18.60
Trailer - Vegetables	16'	2WD 75 hp	0.090	12.00	Jun	10.29	6.81	0.57	1.08	2.16	21.76				40.51
HARVEST LABOR	hour			1.00	Jun					300.00	2676.00				2676.00
5-Gal Bucket	each											200.0000	3.00	600.00	600.00
GRADE & PACK LABOR	hour			1.00	Jun					30.00	267.60				267.60
Boxes-Waxed	each											400.0000	1.76	704.00	704.00
TOTALS						41.45	27.46	50.39	106.97	335.79	3005.32			2993.34	6224.93
INTEREST ON OPERATING CAPITAL															35.94
UNALLOCATED LABOR															9.79
TOTAL SPECIFIED COST															6270.66

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 8.B Estimated costs per acre
Okra, fresh market
Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	35.00	0.4950	17.33	_____
Amm Nitrate (34%)	cwt	14.23	2.7000	38.42	_____
Phosphorus(46% P205)	cwt	15.35	1.5600	23.95	_____
Potash (60% K20)	cwt	26.10	1.2000	31.32	_____
HERBICIDE					
Treflan HFP	pt	3.11	1.5000	4.67	_____
INSECTICIDE					
Provado 1.6	oz	1.98	7.6000	15.05	_____
Mustang Max	oz	1.55	12.0000	18.60	_____
SEED/PLANTS					
Okra - Hybrid	lb	175.00	8.8000	1540.00	_____
OTHER					
5-Gal Bucket	each	3.00	200.0000	600.00	_____
Boxes-Waxed	each	1.76	400.0000	704.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	4.3539	48.88	_____
HARVEST LABOR					
Special Labor	hour	8.92	300.0000	2676.00	_____
GRADE & PACK LABOR					
Special Labor	hour	8.92	30.0000	267.60	_____
HAND LABOR					
Implements	hour	8.92	1.4412	12.84	_____
UNALLOCATED LABOR	hour	11.24	0.8707	9.79	_____
DIESEL FUEL					
Tractors	gal	2.22	16.8080	37.32	_____
REPAIR & MAINTENANCE					
Implements	acre	50.39	1.0000	50.39	_____
Tractors	acre	4.13	1.0000	4.13	_____
INTEREST ON OP. CAP.	acre	35.94	1.0000	35.94	_____
TOTAL DIRECT EXPENSES				6136.23	_____
FIXED EXPENSES					
Implements	acre	106.97	1.0000	106.97	_____
Tractors	acre	27.46	1.0000	27.46	_____
TOTAL FIXED EXPENSES				134.43	_____
TOTAL SPECIFIED EXPENSES				6270.66	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 8.C Estimated monthly income and expense flows per acre
Okra, fresh market
Mississippi, 2010

ITEM	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
FERTILIZER	17.33	79.46	14.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	4.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	15.05	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	1540.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	1304.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	8.30	14.83	14.27	2977.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.29	7.93	8.53	15.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	2.15	9.51	17.92	24.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.50	18.63	0.53	16.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	33.57	1675.03	70.53	4357.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-33.57	-1675.03	-70.53	-4357.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-33.57	-1708.60	-1779.13	-6136.23	-6136.23	-6136.23	-6136.23	-6136.23	-6136.23	-6136.23	-6136.23	-6136.23

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 8.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Okra, fresh market
 Mississippi, 2010

			-----BREAKEVEN PRICE-----										
Okra (US Fancy)			11.03	11.70	12.46	13.35	14.41	15.67	17.22	19.15	21.63	24.95	29.58
PERCENT	YIELD	UNIT	-----dollars-----										
50	200.00	30lb	-3574 -3709	-3442 -3576	-3289 -3424	-3111 -3245	-2900 -3034	-2647 -2782	-2338 -2472	-1952 -2086	-1455 -1589	-792 -927	134 0
60	240.00	30lb	-3203 -3338	-3045 -3179	-2861 -2996	-2647 -2782	-2394 -2529	-2091 -2225	-1720 -1854	-1256 -1391	-660 -794	134 0	1247 1112
70	280.00	30lb	-2833 -2967	-2647 -2782	-2433 -2568	-2183 -2318	-1888 -2023	-1534 -1669	-1102 -1236	-561 -695	134 0	1061 927	2360 2225
80	320.00	30lb	-2462 -2596	-2250 -2384	-2005 -2140	-1720 -1854	-1383 -1517	-978 -1112	-483 -618	134 0	929 794	1989 1854	3472 3338
90	360.00	30lb	-2091 -2225	-1852 -1987	-1577 -1712	-1256 -1391	-877 -1011	-421 -556	134 0	829 695	1724 1589	2916 2782	4585 4451
100	400.00	30lb	-1720 -1854	-1455 -1589	-1149 -1284	-792 -927	-371 -505	134 0	752 618	1525 1391	2519 2384	3843 3709	5698 5564
110	440.00	30lb	-1349 -1483	-1057 -1192	-721 -856	-329 -463	134 0	690 556	1370 1236	2220 2086	3313 3179	4771 4636	6811 6676
120	480.00	30lb	-978 -1112	-660 -794	-293 -428	134 0	640 505	1247 1112	1989 1854	2916 2782	4108 3974	5698 5564	7924 7789
130	520.00	30lb	-607 -741	-263 -397	134 0	598 463	1146 1011	1803 1669	2607 2472	3611 3477	4903 4769	6625 6491	9036 8902
140	560.00	30lb	-236 -370	134 0	562 428	1061 927	1651 1517	2360 2225	3225 3091	4307 4173	5698 5564	7553 7418	10149 10015
150	600.00	30lb	134 0	531 397	990 856	1525 1391	2157 2023	2916 2782	3843 3709	5002 4868	6493 6358	8480 8346	11262 11128

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2009 input prices.

Table 9.A Estimated resource use and costs for field operations, per acre
Pumpkin, freshmarket, irrigated
8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	May							0.1633	35.00	5.72	5.72
Chisel Plow	9'	2WD 75 hp	0.220	1.00	May	2.10	1.39	0.69	1.34	0.22	2.47				7.99
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Jun	3.78	2.50	0.87	2.03	0.39	4.45				13.63
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Jun	1.34	0.89	0.41	1.19	0.21	2.21				6.04
Fert 13-13-13	cwt											9.0000	15.43	138.87	138.87
BS, Lay/Tape/Pumpkin	Bed 8'cntr	2WD 75 hp	0.080	1.00	Jun	0.77	0.51	0.26	0.83	0.08	0.91				3.28
Plastic Mulch	roll											1.4000	162.00	226.80	226.80
Drip Tape	roll											0.9000	156.00	140.40	140.40
Plntr/H20/pnch/seed	1-Row	2WD 75 hp	2.578	1.00	Jul	24.54	16.26	4.31	7.94	5.15	51.95				105.00
Pumpkin Seed Hybrid	lb											1.5000	78.00	117.00	117.00
Irrigation				1.00	Jul										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Fertigate CAN03/KN03				1.00	Jul										
FERTIGATION LABOR	hour									1.00	8.92				8.92
Calcium Nitrate	lb											25.0000	0.35	8.75	8.75
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jul	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Thionex 3EC	pt											2.0000	3.40	6.80	6.80
Disk Harrow-Hvy Duty	5'	2WD 75 hp	0.412	0.50	Jul	1.97	1.30	0.15	0.35	0.20	2.32				6.09
Fertigate CAN03/KN03				1.00	Jul										
FERTIGATION LABOR	hour									1.00	8.92				8.92
Calcium Nitrate	lb											25.0000	0.35	8.75	8.75
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jul	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Thionex 3EC	pt											2.0000	3.40	6.80	6.80
Fertigate CAN03/KN03				1.00	Jul										
FERTIGATION LABOR	hour									1.00	8.92				8.92
Calcium Nitrate	lb											25.0000	0.35	8.75	8.75
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Aug	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Quadris	oz											11.0000	2.56	28.16	28.16
Bravo Weather Stick	pt											2.0000	7.74	15.48	15.48
Fertigate CAN03/KN03				3.00	Aug										
FERTIGATION LABOR	hour									3.00	26.76				26.76
Calcium Nitrate	lb											75.0000	0.35	26.25	26.25
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Aug	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Bravo Weather Stick	pt											2.0000	7.74	15.48	15.48
Fertigate CAN03/KN03				1.00	Sep										
FERTIGATION LABOR	hour									1.00	8.92				8.92
Calcium Nitrate	lb											25.0000	0.35	8.75	8.75
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Brigade 2EC	oz											6.0000	1.08	6.48	6.48
Fertigate CAN03/KN03				3.00	Sep										
FERTIGATION LABOR	hour									3.00	26.76				26.76
Calcium Nitrate	lb											75.0000	0.35	26.25	26.25

(continued)

Table 9.A Estimated resource use and costs for field operations, per acre
Pumpkin, freshmarket, irrigated
8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2010 (continued)

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Brigade 2EC	oz											6.0000	1.08	6.48	6.48
Quadris	oz											11.0000	2.56	28.16	28.16
Fertigate CAN03/KN03				1.00	Oct										
FERTIGATION LABOR	hour									1.00	8.92				8.92
Calcium Nitrate	lb											25.0000	0.35	8.75	8.75
Trailer - Vegetables	16'	2WD 75 hp	0.090	3.00	Oct	2.57	1.70	0.14	0.27	0.54	5.44				10.12
HARVEST LABOR	hour									90.00	802.80				802.80
Pallet Crates-1350lb each												123.0000	13.50	1660.50	1660.50
Mulch Lifter	1-Row	2WD 75 hp	0.589	1.00	Nov	5.61	3.72	0.13	2.78	0.58	6.62				18.86
LABOR MULCH CLEANUP	hour									15.00	133.80				133.80
Irrigation Setup	acre				Jul							1.0000			450.63
TOTALS						56.66	37.57	52.26	105.05	124.87	1127.65			2949.44	4779.26
INTEREST ON OPERATING CAPITAL															49.00
UNALLOCATED LABOR															13.36
TOTAL SPECIFIED COST															4841.62

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

Table 9.B Estimated costs per acre
 Pumpkin, freshmarket, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	35.00	0.1633	5.72	_____
Fert 13-13-13	cwt	15.43	9.0000	138.87	_____
Calcium Nitrate	lb	0.35	275.0000	96.25	_____
FUNGICIDE					
Quadris	oz	2.56	22.0000	56.32	_____
Bravo Weather Stick	pt	7.74	4.0000	30.96	_____
INSECTICIDE					
Thionex 3EC	pt	3.40	4.0000	13.60	_____
Brigade 2EC	oz	1.08	12.0000	12.96	_____
SEED/PLANTS					
Pumpkin Seed Hybrid	lb	78.00	1.5000	117.00	_____
OTHER					
Plastic Mulch	roll	162.00	1.4000	226.80	_____
Pallet Crates-1350lb	each	13.50	123.0000	1660.50	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	0.9000	140.40	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	11.23	5.9557	66.89	_____
HARVEST LABOR					
Special Labor	hour	8.92	90.0000	802.80	_____
HAND LABOR					
Implements	hour	8.92	2.9186	26.04	_____
FERTIGATION LABOR					
Special Labor	hour	8.92	11.0000	98.12	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.92	15.0000	133.80	_____
UNALLOCATED LABOR					
	hour	11.21	1.1911	13.36	_____
DIESEL FUEL					
Tractors	gal	2.22	22.9914	51.01	_____
REPAIR & MAINTENANCE					
Implements	acre	52.26	1.0000	52.26	_____
Tractors	acre	5.65	1.0000	5.65	_____
INTEREST ON OP. CAP.	acre	49.00	1.0000	49.00	_____

TOTAL DIRECT EXPENSES				4248.37	_____
FIXED EXPENSES					
Implements	acre	105.05	1.0000	105.05	_____
Tractors	acre	37.57	1.0000	37.57	_____
Irrigation Setup	acre	450.63	1.0000	450.63	_____

TOTAL FIXED EXPENSES				593.25	_____

TOTAL SPECIFIED EXPENSES				4841.62	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

Table 9.C Estimated monthly income and expense flows per acre
Pumpkin, freshmarket, irrigated
8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2010

ITEM	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
FERTILIZER	5.72	138.87	26.25	26.25	35.00	8.75	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	59.12	28.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	13.60	0.00	12.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	117.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	226.80	0.00	0.00	0.00	1660.50	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	140.40	450.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.96	8.96	93.90	33.38	42.30	817.77	141.74	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.89	5.30	28.06	4.20	4.20	2.31	5.05	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.90	2.13	22.67	15.56	15.56	0.40	0.69	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.30	11.75	14.09	2.07	1.56	18.68	0.55	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	11.77	534.21	765.63	140.58	139.74	2508.41	148.03	0.00	0.00	0.00	0.00	0.00
NET INCOME	-11.77	-534.21	-765.63	-140.58	-139.74	-2508.41	-148.03	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-11.77	-545.98	-1311.61	-1452.19	-1591.93	-4100.34	-4248.37	-4248.37	-4248.37	-4248.37	-4248.37	-4248.37

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

* Lease costs are based on hourly usage costs.

Table 9.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Pumpkin, freshmarket, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2010

			-----BREAKEVEN PRICE-----										
Pumpkin			0.07	0.08	0.09	0.09	0.10	0.11	0.13	0.14	0.16	0.19	0.23
PERCENT	YIELD	UNIT	-----dollars-----										
50	20500.00	lb	-2634	-2519	-2386	-2231	-2047	-1827	-1558	-1222	-790	-213	593
			-3227	-3112	-2979	-2824	-2640	-2420	-2151	-1815	-1383	-806	0
60	24600.00	lb	-2311	-2173	-2013	-1827	-1607	-1343	-1020	-617	-98	593	1561
			-2904	-2766	-2607	-2420	-2200	-1936	-1613	-1210	-691	0	968
70	28700.00	lb	-1988	-1827	-1641	-1424	-1167	-859	-482	-11	593	1400	2529
			-2582	-2420	-2234	-2017	-1760	-1452	-1075	-605	0	806	1936
80	32800.00	lb	-1666	-1481	-1268	-1020	-727	-375	55	593	1284	2207	3498
			-2259	-2074	-1862	-1613	-1320	-968	-537	0	691	1613	2904
90	36900.00	lb	-1343	-1135	-896	-617	-287	109	593	1198	1976	3014	4466
			-1936	-1729	-1489	-1210	-880	-484	0	605	1383	2420	3873
100	41000.00	lb	-1020	-790	-524	-213	153	593	1131	1803	2668	3820	5434
			-1613	-1383	-1117	-806	-440	0	537	1210	2074	3227	4841
110	45100.00	lb	-697	-444	-151	189	593	1077	1669	2408	3359	4627	6403
			-1291	-1037	-744	-403	0	484	1075	1815	2766	4034	5809
120	49200.00	lb	-375	-98	220	593	1033	1561	2207	3014	4051	5434	7371
			-968	-691	-372	0	440	968	1613	2420	3458	4841	6778
130	53300.00	lb	-52	247	593	996	1473	2045	2745	3619	4743	6241	8339
			-645	-345	0	403	880	1452	2151	3026	4149	5648	7746
140	57400.00	lb	270	593	965	1400	1913	2529	3283	4224	5434	7048	9308
			-322	0	372	806	1320	1936	2689	3631	4841	6455	8714
150	61500.00	lb	593	939	1338	1803	2353	3014	3820	4829	6126	7855	10276
			0	345	744	1210	1760	2420	3227	4236	5533	7262	9683

The top number in each cell is Returns Above Direct Expenses.

The bottom number in each cell is Returns Above Total Specified Expenses.

Only the product listed has been varied to calculate net returns.

Note: Cost of production estimates are based on 2009 input prices.

Table 10.A Estimated resource use and costs for field operations, per acre
 Snap beans, fresh market, hand harvest
 Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Feb							0.4950	35.00	17.33	17.33
Chisel Plow	9'	2WD 75 hp	0.220	1.00	Feb	2.10	1.39	0.69	1.34	0.22	2.47				7.99
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Feb	3.78	2.50	0.87	2.03	0.39	4.45				13.63
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Feb	1.34	0.89	0.41	1.19	0.21	2.21				6.04
Fert 13-13-13	cwt											6.0000	15.43	92.58	92.58
Cult + App Herb	4-Row	2WD 75 hp	0.193	1.00	Feb	1.84	1.22	0.34	0.99	0.29	3.04				7.43
Treflan HFP	pt											2.0000	3.11	6.23	6.23
Terrachlor 75 WP	lb											2.0000	6.77	13.54	13.54
Plntr - Vacuum	2-Row	2WD 75 hp	0.396	1.00	Mar	3.78	2.50	6.67	12.09	0.39	4.45				29.49
Snap Beans - Hybrid	lb											70.0000	6.00	420.00	420.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Mar	4.68	3.10	15.09	29.44	0.49	5.51				57.82
Diazinon AG600	pt											2.5000	5.92	14.80	14.80
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	4.68	3.10	15.09	29.44	0.49	5.51				57.82
Kocide	lb											3.0000	3.54	10.62	10.62
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	Apr	1.84	1.22	1.22	6.36	0.29	3.04				13.68
Amm Nitrate (34%)	cwt											0.7500	14.23	10.67	10.67
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	4.68	3.10	15.09	29.44	0.49	5.51				57.82
Sevin XLR Plus	qt											2.0000	9.85	19.70	19.70
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	May	0.86	0.57	0.05	0.09	0.18	1.81				3.38
HARVEST LABOR	hour			1.00	May					150.00	1338.00				1338.00
Bushel Box	each			1.00	May							200.0000	1.20	240.00	240.00
Load Conveyor S Bean				1.00	May										
GRD LABOR S. BEANS	hour									20.00	178.40				178.40
Cooling Snap Beans	bu box			1.00	May							200.0000	0.75	150.00	150.00
R.B.ConveySnapBeans	each			1.00	May				3.65			0.0200			3.65
Application 1	bu							89.85		40.00	356.80	200.0000			446.65
Rot.Pk Table S Beans	each			1.00	May				3.07			0.0200			3.07
Application 1	bu							7.22		2.00	17.84	200.0000			25.06
TOTALS						29.58	19.59	152.59	119.13	215.45	1929.04			995.47	3245.40
INTEREST ON OPERATING CAPITAL															17.37
UNALLOCATED LABOR															6.97
TOTAL SPECIFIED COST															3269.74

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 10.B Estimated costs per acre
 Snap beans, fresh market, hand harvest
 Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	35.00	0.4950	17.33	_____
Fert 13-13-13	cwt	15.43	6.0000	92.58	_____
Amm Nitrate (34%)	cwt	14.23	0.7500	10.67	_____
FUNGICIDE					
Terrachlor 75 WP	lb	6.77	2.0000	13.54	_____
Kocide	lb	3.54	3.0000	10.62	_____
HERBICIDE					
Treflan HFP	pt	3.11	2.0000	6.23	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	2.5000	14.80	_____
Sevin XLR Plus	qt	9.85	2.0000	19.70	_____
SEED/PLANTS					
Snap Beans - Hybrid	lb	6.00	70.0000	420.00	_____
OTHER					
Bushel Box	each	1.20	200.0000	240.00	_____
Cooling Snap Beans	bu box	0.75	200.0000	150.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	3.1054	34.85	_____
HARVEST LABOR					
Special Labor	hour	8.92	150.0000	1338.00	_____
HAND LABOR					
Implements	hour	8.92	0.3543	3.15	_____
GRD LABOR S. BEANS					
Special Labor	hour	8.92	20.0000	178.40	_____
R.B.ConveySnapBeans	hour	8.92	40.0000	356.80	_____
Rot.Pk Table S Beans	hour	8.92	2.0000	17.84	_____
UNALLOCATED LABOR					
	hour	11.22	0.6210	6.97	_____
DIESEL FUEL					
Tractors	gal	2.22	11.9884	26.62	_____
REPAIR & MAINTENANCE					
Implements	acre	55.52	1.0000	55.52	_____
Tractors	acre	2.96	1.0000	2.96	_____
R.B.ConveySnapBeans	bu	0.44	200.0000	89.85	_____
Rot.Pk Table S Beans	bu	0.03	200.0000	7.22	_____
INTEREST ON OP. CAP.	acre	17.37	1.0000	17.37	_____
TOTAL DIRECT EXPENSES				3131.02	_____
FIXED EXPENSES					
Implements	acre	112.41	1.0000	112.41	_____
Tractors	acre	19.59	1.0000	19.59	_____
R.B.ConveySnapBeans	each	182.54	0.0200	3.65	_____
Rot.Pk Table S Beans	each	153.25	0.0200	3.07	_____
TOTAL FIXED EXPENSES				138.72	_____
TOTAL SPECIFIED EXPENSES				3269.74	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 10.C Estimated monthly income and expense flows per acre
 Snap beans, fresh market, hand harvest
 Mississippi, 2010

ITEM	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
FERTILIZER	109.91	0.00	10.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	13.54	0.00	10.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	6.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	14.80	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	420.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	14.31	11.95	16.70	1893.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	8.16	7.61	10.08	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	3.21	22.61	32.52	97.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	2.32	5.37	0.76	8.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	157.68	482.34	101.05	2389.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-157.68	-482.34	-101.05	-2389.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-157.68	-640.02	-741.07	-3131.02	-3131.02	-3131.02	-3131.02	-3131.02	-3131.02	-3131.02	-3131.02	-3131.02

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 10.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Snap beans, fresh market, hand harvest
 Mississippi, 2010

Snap Beans			-----BREAKEVEN PRICE-----										
			11.30	12.02	12.85	13.82	14.97	16.34	18.03	20.13	22.83	26.44	31.49
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	30lb	-1880 -2019	-1808 -1947	-1725 -1863	-1628 -1766	-1513 -1652	-1375 -1514	-1207 -1346	-997 -1135	-726 -865	-366 -504	138 0
60	120.00	30lb	-1678 -1817	-1592 -1730	-1492 -1630	-1375 -1514	-1238 -1376	-1072 -1211	-870 -1009	-618 -757	-293 -432	138 0	744 605
70	140.00	30lb	-1476 -1615	-1375 -1514	-1259 -1397	-1123 -1262	-962 -1101	-769 -908	-534 -673	-239 -378	138 0	643 504	1350 1211
80	160.00	30lb	-1274 -1413	-1159 -1298	-1026 -1164	-870 -1009	-687 -826	-467 -605	-197 -336	138 0	571 432	1148 1009	1956 1817
90	180.00	30lb	-1072 -1211	-943 -1081	-793 -931	-618 -757	-411 -550	-164 -302	138 0	517 378	1004 865	1653 1514	2561 2423
100	200.00	30lb	-870 -1009	-726 -865	-560 -698	-366 -504	-136 -275	138 0	475 336	895 757	1436 1298	2157 2019	3167 3028
110	220.00	30lb	-668 -807	-510 -649	-327 -465	-113 -252	138 0	441 302	811 673	1274 1135	1869 1730	2662 2524	3773 3634
120	240.00	30lb	-467 -605	-293 -432	-94 -232	138 0	414 275	744 605	1148 1009	1653 1514	2302 2163	3167 3028	4379 4240
130	260.00	30lb	-265 -403	-77 -216	138 0	391 252	689 550	1047 908	1484 1346	2031 1893	2734 2596	3672 3533	4984 4846
140	280.00	30lb	-63 -201	138 0	371 232	643 504	964 826	1350 1211	1821 1682	2410 2271	3167 3028	4177 4038	5590 5451
150	300.00	30lb	138 0	355 216	604 465	895 757	1240 1101	1653 1514	2157 2019	2788 2650	3600 3461	4681 4543	6196 6057

The top number in each cell is Returns Above Direct Expenses.

The bottom number in each cell is Returns Above Total Specified Expenses.

Only the product listed has been varied to calculate net returns.

Note: Cost of production estimates are based on 2009 input prices.

Table 11.A Estimated resource use and costs for field operations, per acre
 Snap beans, fresh market, mechanical harvest
 Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Custom Apply Fert	acre			0.33	Feb							0.4950	9.00	4.46	4.46
Chisel Plow	9'	2WD 75 hp	0.220	1.00	Feb	2.10	1.39	0.69	1.34	0.22	2.47				7.99
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Feb	3.78	2.50	0.87	2.03	0.39	4.45				13.63
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Feb	1.34	0.89	0.41	1.19	0.21	2.21				6.04
Fert 13-13-13	cwt											6.0000	15.43	92.58	92.58
Cult + App Herb	4-Row	2WD 75 hp	0.193	1.00	Feb	1.84	1.22	0.34	0.99	0.29	3.04				7.43
Treflan HFP	pt											2.0000	3.11	6.23	6.23
Terrachlor 75 WP	lb											2.0000	6.77	13.54	13.54
Plntr - Vacuum	2-Row	2WD 75 hp	0.396	1.00	Mar	3.78	2.50	6.67	12.09	0.39	4.45				29.49
Snap Beans - Hybrid	lb											70.0000	6.00	420.00	420.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Mar	4.68	3.10	15.09	29.44	0.49	5.51				57.82
Diazinon AG600	pt											2.5000	5.92	14.80	14.80
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	4.68	3.10	15.09	29.44	0.49	5.51				57.82
Kocide	lb											3.0000	3.54	10.62	10.62
Cultivate+Sidedress	2-Row	2WD 75 hp	0.390	1.00	Apr	3.72	2.46	0.88	4.58	0.58	6.13				17.77
Amm Nitrate (34%)	cwt											0.7500	14.23	10.67	10.67
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	4.68	3.10	15.09	29.44	0.49	5.51				57.82
Sevin XLR Plus	qt											2.0000	9.85	19.70	19.70
Picker Beans/Peas	1-Row	2WD 75 hp	3.571	1.00	May	34.00	22.53	46.93	43.58	10.71	103.82				250.86
Bushel Box	each											150.0000	1.20	180.00	180.00
Trailer - Snap Bean	16'	2WD 75 hp	3.571	1.00	May	34.00	22.53	2.12	3.99	7.14	71.97				134.61
Load Conveyor S Bean				1.00	May										
GRD LABOR S. BEANS	hour									20.00	178.40				178.40
Cooling Snap Beans	bu box			1.00	May							150.0000	0.75	112.50	112.50
R.B.ConveySnapBeans	each			1.00	May				3.65			0.0200			3.65
Application 1	bu							67.39		30.00	267.60	150.0000			334.99
Rot.Pk Table S Beans	each			1.00	May				3.07			0.0200			3.07
Application 1	bu							5.41		1.50	13.38	150.0000			18.79
TOTALS						98.60	65.32	176.98	164.83	72.93	674.45			885.10	2065.28
INTEREST ON OPERATING CAPITAL															12.56
UNALLOCATED LABOR															23.25
TOTAL SPECIFIED COST															2101.09

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 11.B Estimated costs per acre
 Snap beans, fresh market, mechanical harvest
 Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM					
Custom Apply Fert	acre	9.00	0.4950	4.46	_____
FERTILIZER					
Fert 13-13-13	cwt	15.43	6.0000	92.58	_____
Amm Nitrate (34%)	cwt	14.23	0.7500	10.67	_____
FUNGICIDE					
Terrachlor 75 WP	lb	6.77	2.0000	13.54	_____
Kocide	lb	3.54	3.0000	10.62	_____
HERBICIDE					
Treflan HFP	pt	3.11	2.0000	6.23	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	2.5000	14.80	_____
Sevin XLR Plus	qt	9.85	2.0000	19.70	_____
SEED/PLANTS					
Snap Beans - Hybrid	lb	6.00	70.0000	420.00	_____
OTHER					
Bushel Box	each	1.20	150.0000	180.00	_____
Cooling Snap Beans	bu box	0.75	150.0000	112.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	10.3551	116.27	_____
HAND LABOR					
Implements	hour	8.92	11.0770	98.80	_____
GRD LABOR S. BEANS					
Special Labor	hour	8.92	20.0000	178.40	_____
R.B.ConveySnapBeans	hour	8.92	30.0000	267.60	_____
Rot.Pk Table S Beans	hour	8.92	1.5000	13.38	_____
UNALLOCATED LABOR	hour	11.22	2.0710	23.25	_____
DIESEL FUEL					
Tractors	gal	2.22	39.9749	88.76	_____
REPAIR & MAINTENANCE					
Implements	acre	104.18	1.0000	104.18	_____
Tractors	acre	9.84	1.0000	9.84	_____
R.B.ConveySnapBeans	bu	0.44	150.0000	67.39	_____
Rot.Pk Table S Beans	bu	0.03	150.0000	5.41	_____
INTEREST ON OP. CAP.	acre	12.56	1.0000	12.56	_____
TOTAL DIRECT EXPENSES				1870.94	_____
FIXED EXPENSES					
Implements	acre	158.11	1.0000	158.11	_____
Tractors	acre	65.32	1.0000	65.32	_____
R.B.ConveySnapBeans	each	182.54	0.0200	3.65	_____
Rot.Pk Table S Beans	each	153.25	0.0200	3.07	_____
TOTAL FIXED EXPENSES				230.15	_____
TOTAL SPECIFIED EXPENSES				2101.09	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 11.C Estimated monthly income and expense flows per acre
 Snap beans, fresh market, mechanical harvest
 Mississippi, 2010

ITEM	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
CUSTOM	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FERTILIZER	92.58	0.00	10.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	13.54	0.00	10.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	6.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	14.80	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	420.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	292.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	14.31	11.95	20.23	651.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	8.16	7.61	11.77	61.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	3.21	22.61	32.37	128.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	2.13	5.37	0.80	4.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	144.62	482.34	106.16	1137.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-144.62	-482.34	-106.16	-1137.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-144.62	-626.96	-733.12	-1870.94	-1870.94	-1870.94	-1870.94	-1870.94	-1870.94	-1870.94	-1870.94	-1870.94

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 11.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Snap beans, fresh market, mechanical harvest
 Mississippi, 2010

Snap Beans			-----BREAKEVEN PRICE-----										
			9.73	10.34	11.05	11.87	12.84	14.00	15.42	17.20	19.49	22.54	26.81
PERCENT	YIELD	UNIT	-----dollars-----										
50	75.00	30lb	-1050 -1280	-1004 -1234	-951 -1181	-890 -1120	-817 -1047	-730 -960	-623 -853	-490 -720	-318 -548	-89 -320	230 0
60	90.00	30lb	-922 -1152	-867 -1097	-803 -1034	-730 -960	-642 -872	-538 -768	-409 -640	-249 -480	-44 -274	230 0	614 384
70	105.00	30lb	-794 -1024	-730 -960	-656 -886	-570 -800	-468 -698	-345 -576	-196 -426	-9 -240	230 0	550 320	998 768
80	120.00	30lb	-666 -896	-592 -823	-508 -738	-409 -640	-293 -523	-153 -384	16 -213	230 0	504 274	870 640	1382 1152
90	135.00	30lb	-538 -768	-455 -685	-360 -590	-249 -480	-119 -349	38 -192	230 0	470 240	778 548	1190 960	1766 1536
100	150.00	30lb	-409 -640	-318 -548	-213 -443	-89 -320	55 -174	230 0	443 213	710 480	1053 823	1510 1280	2150 1920
110	165.00	30lb	-281 -512	-181 -411	-65 -295	70 -160	230 0	422 192	656 426	950 720	1327 1097	1830 1600	2534 2304
120	180.00	30lb	-153 -384	-44 -274	82 -147	230 0	404 174	614 384	870 640	1190 960	1601 1371	2150 1920	2918 2688
130	195.00	30lb	-25 -256	92 -137	230 0	390 160	579 349	806 576	1083 853	1430 1200	1876 1646	2470 2240	3302 3072
140	210.00	30lb	102 -128	230 0	377 147	550 320	753 523	998 768	1297 1066	1670 1440	2150 1920	2790 2560	3686 3456
150	225.00	30lb	230 0	367 137	525 295	710 480	928 698	1190 960	1510 1280	1910 1680	2424 2194	3110 2880	4070 3840

The top number in each cell is Returns Above Direct Expenses.

The bottom number in each cell is Returns Above Total Specified Expenses.

Only the product listed has been varied to calculate net returns.

Note: Cost of production estimates are based on 2009 input prices.

Table 12.A Estimated resource use and costs for field operations, per acre
 Southern peas, fresh market, hand harvest
 Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Jan							0.4950	35.00	17.33	17.33
Sub-Soiler	2 shank	2WD 75 hp	0.404	1.00	Feb	3.85	2.55	0.97	2.66	0.40	4.54				14.57
Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Feb	0.80	0.53	0.06	0.23	0.08	0.95				2.57
Amm Nitrate (34%)	cwt											0.5000	14.23	7.12	7.12
Phosphorus(46% P205)	cwt											1.5600	15.35	23.95	23.95
Potash (60% K20)	cwt											1.2000	26.10	31.32	31.32
Disk Harrow	14'	2WD 75 hp	0.141	2.00	Mar	2.70	1.79	1.15	2.69	0.28	3.18				11.51
Disk Bed	4-Row	2WD 75 hp	0.140	1.00	Mar	1.34	0.89	0.24	0.72	0.14	1.58				4.77
Cult + App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	1.84	1.22	0.34	0.99	0.29	3.04				7.43
Treflan HFP	pt											0.5000	3.11	1.56	1.56
Plntr - Vacuum	4-Row	2WD 75 hp	0.226	1.00	Apr	2.16	1.43	14.80	26.82	0.22	2.55				47.76
Southern Peas - OP	lb											10.0000	3.00	30.00	30.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Brigade 2EC	oz											6.0000	1.08	6.48	6.48
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	4.68	3.10	15.09	29.44	0.49	5.51				57.82
Thionex 3EC	pt											4.0000	3.40	13.60	13.60
Cultivate	4-Row	2WD 75 hp	0.155	1.00	May	1.48	0.98	0.33	0.97	0.15	1.74				5.50
Trailer - Vegetables	16'	2WD 75 hp	0.090	3.00	May	2.57	1.70	0.14	0.27	0.54	5.44				10.12
HARVEST LABOR	hour			1.00	May					75.00	669.00				669.00
5-Gal Bucket	each											20.0000	3.00	60.00	60.00
Sheller S. Peas	each			1.00	May				7.55			0.0200			7.55
100/10 lb bg S. Peas	acre							0.26		6.00	53.52	1.0000			53.78
R.B.Convey S. Peas	each			1.00	May				3.08			0.0200			3.08
Rot.Pk.Table S Peas	each			1.00	May				3.07			0.0200			3.07
Application 1	acre							0.14		3.00	26.76	1.0000			26.90
Bag Sealer S. Peas	each			1.00	May				0.24			0.0200			0.24
Application 1	acre							0.15		0.10	0.89	1.0000			1.04
TOTALS							23.75	15.74	41.22	93.45	86.96	781.46		191.36	1146.98
INTEREST ON OPERATING CAPITAL															5.36
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															1157.96

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 12.B Estimated costs per acre
 Southern peas, fresh market, hand harvest
 Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	35.00	0.4950	17.33	_____
Amm Nitrate (34%)	cwt	14.23	0.5000	7.12	_____
Phosphorus(46% P205)	cwt	15.35	1.5600	23.95	_____
Potash (60% K20)	cwt	26.10	1.2000	31.32	_____
HERBICIDE					
Treflan HFP	pt	3.11	0.5000	1.56	_____
INSECTICIDE					
Brigade 2EC	oz	1.08	6.0000	6.48	_____
Thionex 3EC	pt	3.40	4.0000	13.60	_____
SEED/PLANTS					
Southern Peas - OP	lb	3.00	10.0000	30.00	_____
OTHER					
5-Gal Bucket	each	3.00	20.0000	60.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	2.4950	28.02	_____
HARVEST LABOR					
Special Labor	hour	8.92	75.0000	669.00	_____
HAND LABOR					
Implements	hour	8.92	0.3669	3.27	_____
GRD LABOR S. PEAS					
Rot.Pk.Table S Peas	hour	8.92	3.0000	26.76	_____
Bag Sealer S. Peas	hour	8.92	0.1000	0.89	_____
Sheller S. Peas	hour	8.92	6.0000	53.52	_____
UNALLOCATED LABOR	hour	11.26	0.4990	5.62	_____
DIESEL FUEL					
Tractors	gal	2.22	9.6319	21.38	_____
REPAIR & MAINTENANCE					
Implements	acre	40.67	1.0000	40.67	_____
Tractors	acre	2.37	1.0000	2.37	_____
Rot.Pk.Table S Peas	acre	0.14	1.0000	0.14	_____
Bag Sealer S. Peas	acre	0.15	1.0000	0.15	_____
Sheller S. Peas	acre	0.26	1.0000	0.26	_____
INTEREST ON OP. CAP.	acre	5.36	1.0000	5.36	_____
TOTAL DIRECT EXPENSES				1048.77	_____
FIXED EXPENSES					
Implements	acre	79.51	1.0000	79.51	_____
Tractors	acre	15.74	1.0000	15.74	_____
R.B.Convey S. Peas	each	153.87	0.0200	3.08	_____
Rot.Pk.Table S Peas	each	153.25	0.0200	3.07	_____
Bag Sealer S. Peas	each	11.94	0.0200	0.24	_____
Sheller S. Peas	each	377.33	0.0200	7.55	_____
TOTAL FIXED EXPENSES				109.19	_____
TOTAL SPECIFIED EXPENSES				1157.96	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 12.C Estimated monthly income and expense flows per acre
 Southern peas, fresh market, hand harvest
 Mississippi, 2010

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
FERTILIZER	17.33	62.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	6.48	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	6.59	5.72	9.85	764.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	4.19	3.64	5.70	7.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.49	1.79	23.32	16.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.32	1.12	0.13	0.57	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	17.65	75.78	11.28	77.48	866.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-17.65	-75.78	-11.28	-77.48	-866.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-17.65	-93.43	-104.71	-182.19	-1048.77	-1048.77	-1048.77	-1048.77	-1048.77	-1048.77	-1048.77	-1048.77

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 12.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Southern peas, fresh market, hand harvest
 Mississippi, 2010

Southern Peas			-----BREAKEVEN PRICE-----										
			7.71	8.27	8.90	9.64	10.52	11.57	12.86	14.47	16.54	19.29	23.15
PERCENT	YIELD	UNIT	-----dollars-----										
50	50.00	101b	-662 -771	-635 -744	-603 -712	-566 -675	-522 -631	-469 -578	-405 -514	-325 -434	-221 -330	-83 -192	109 0
60	60.00	101b	-585 -694	-552 -661	-514 -623	-469 -578	-417 -526	-353 -463	-276 -385	-180 -289	-56 -165	109 0	340 231
70	70.00	101b	-508 -617	-469 -578	-425 -534	-373 -482	-311 -421	-238 -347	-148 -257	-35 -144	109 0	302 192	572 463
80	80.00	101b	-431 -540	-387 -496	-336 -445	-276 -385	-206 -315	-122 -231	-19 -128	109 0	274 165	495 385	803 694
90	90.00	101b	-353 -463	-304 -413	-247 -356	-180 -289	-101 -210	-6 -115	109 0	253 144	440 330	688 578	1035 926
100	100.00	101b	-276 -385	-221 -330	-158 -267	-83 -192	3 -105	109 0	237 128	398 289	605 496	881 771	1267 1157
110	110.00	101b	-199 -308	-138 -248	-68 -178	12 -96	109 0	224 115	366 257	543 434	770 661	1074 964	1498 1389
120	120.00	101b	-122 -231	-56 -165	20 -89	109 0	214 105	340 231	495 385	688 578	936 827	1267 1157	1730 1621
130	130.00	101b	-45 -154	26 -82	109 0	205 96	319 210	456 347	623 514	832 723	1101 992	1460 1350	1961 1852
140	140.00	101b	31 -77	109 0	198 89	302 192	424 315	572 463	752 643	977 868	1267 1157	1653 1543	2193 2084
150	150.00	101b	109 0	191 82	287 178	398 289	530 421	688 578	881 771	1122 1013	1432 1323	1846 1736	2425 2315

The top number in each cell is Returns Above Direct Expenses.

The bottom number in each cell is Returns Above Total Specified Expenses.

Only the product listed has been varied to calculate net returns.

Note: Cost of production estimates are based on 2009 input prices.

Table 13.A Estimated resource use and costs for field operations, per acre
 Southern peas, fresh market, mechanical harvest
 Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Jan							0.4950	35.00	17.33	17.33
Sub-Soiler	2 shank	2WD 75 hp	0.404	1.00	Feb	3.85	2.55	0.97	2.66	0.40	4.54				14.57
Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Feb	0.80	0.53	0.06	0.23	0.08	0.95				2.57
Amm Nitrate (34%)	cwt											0.5000	14.23	7.12	7.12
Phosphorus(46% P205)	cwt											1.5600	15.35	23.95	23.95
Potash (60% K20)	cwt											1.2000	26.10	31.32	31.32
Disk Harrow	14'	2WD 75 hp	0.141	2.00	Mar	2.70	1.79	1.15	2.69	0.28	3.18				11.51
Disk Bed	4-Row	2WD 75 hp	0.140	1.00	Mar	1.34	0.89	0.24	0.72	0.14	1.58				4.77
Cult + App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	1.84	1.22	0.34	0.99	0.29	3.04				7.43
Treflan HFP	pt											0.5000	3.11	1.56	1.56
Plntr - Vacuum	4-Row	2WD 75 hp	0.226	1.00	Apr	2.16	1.43	14.80	26.82	0.22	2.55				47.76
Southern Peas - OP	lb											10.0000	3.00	30.00	30.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Brigade 2EC	oz											6.0000	1.08	6.48	6.48
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	4.68	3.10	15.09	29.44	0.49	5.51				57.82
Thionex 3EC	pt											4.0000	3.40	13.60	13.60
Cultivate	4-Row	2WD 75 hp	0.155	1.00	May	1.48	0.98	0.33	0.97	0.15	1.74				5.50
Trailer-Southern Pea	16'	2WD 75 hp	3.571	1.00	May	34.00	22.53	2.12	3.99	7.14	71.97				134.61
Picker Beans/Peas	1-Row	2WD 75 hp	3.571	1.00	May	34.00	22.53	46.93	43.58	10.71	103.82				250.86
Sacks - S Peas	each											75.0000	0.65	48.75	48.75
Sheller S. Peas	each			1.00	May				7.55			0.0200			7.55
64/10 lb bg S. Peas	acre							0.26		6.00	53.52	1.0000			53.78
R.B.Convey S. Peas	each			1.00	May				3.08			0.0200			3.08
Rot.Pk.Table S Peas	each			1.00	May				3.07			0.0200			3.07
Application 1	acre							0.14		3.00	26.76	1.0000			26.90
Bag Sealer S. Peas	each			1.00	May				0.24			0.0200			0.24
Application 1	acre							0.15		0.10	0.89	1.0000			1.04
TOTALS						89.18	59.10	90.13	140.75	29.27	282.81			180.11	842.08
INTEREST ON OPERATING CAPITAL															3.94
UNALLOCATED LABOR															21.05
TOTAL SPECIFIED COST															867.07

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 13.B Estimated costs per acre
 Southern peas, fresh market, mechanical harvest
 Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	35.00	0.4950	17.33	_____
Amm Nitrate (34%)	cwt	14.23	0.5000	7.12	_____
Phosphorus(46% P205)	cwt	15.35	1.5600	23.95	_____
Potash (60% K20)	cwt	26.10	1.2000	31.32	_____
HERBICIDE					
Treflan HFP	pt	3.11	0.5000	1.56	_____
INSECTICIDE					
Brigade 2EC	oz	1.08	6.0000	6.48	_____
Thionex 3EC	pt	3.40	4.0000	13.60	_____
SEED/PLANTS					
Southern Peas - OP	lb	3.00	10.0000	30.00	_____
OTHER					
Sacks - S Peas	each	0.65	75.0000	48.75	_____
OPERATOR LABOR					
Tractors	hour	11.23	9.3679	105.21	_____
HAND LABOR					
Implements	hour	8.92	10.8112	96.43	_____
GRD LABOR S. PEAS					
Rot.Pk.Table S Peas	hour	8.92	3.0000	26.76	_____
Bag Sealer S. Peas	hour	8.92	0.1000	0.89	_____
Sheller S. Peas	hour	8.92	6.0000	53.52	_____
UNALLOCATED LABOR	hour	11.23	1.8735	21.05	_____
DIESEL FUEL					
Tractors	gal	2.22	36.1639	80.29	_____
REPAIR & MAINTENANCE					
Implements	acre	89.58	1.0000	89.58	_____
Tractors	acre	8.89	1.0000	8.89	_____
Rot.Pk.Table S Peas	acre	0.14	1.0000	0.14	_____
Bag Sealer S. Peas	acre	0.15	1.0000	0.15	_____
Sheller S. Peas	acre	0.26	1.0000	0.26	_____
INTEREST ON OP. CAP.	acre	3.94	1.0000	3.94	_____
TOTAL DIRECT EXPENSES				667.22	_____
FIXED EXPENSES					
Implements	acre	126.81	1.0000	126.81	_____
Tractors	acre	59.10	1.0000	59.10	_____
R.B.Convey S. Peas	each	153.87	0.0200	3.08	_____
Rot.Pk.Table S Peas	each	153.25	0.0200	3.07	_____
Bag Sealer S. Peas	each	11.94	0.0200	0.24	_____
Sheller S. Peas	each	377.33	0.0200	7.55	_____
TOTAL FIXED EXPENSES				199.85	_____
TOTAL SPECIFIED EXPENSES				867.07	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 13.C Estimated monthly income and expense flows per acre
 Southern peas, fresh market, mechanical harvest
 Mississippi, 2010

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
FERTILIZER	17.33	62.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	6.48	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	48.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	6.59	5.72	9.85	281.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	4.19	3.64	5.70	66.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.49	1.79	23.32	72.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.32	1.12	0.13	0.57	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	17.65	75.78	11.28	77.48	485.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-17.65	-75.78	-11.28	-77.48	-485.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-17.65	-93.43	-104.71	-182.19	-667.22	-667.22	-667.22	-667.22	-667.22	-667.22	-667.22	-667.22

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 13.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Southern peas, fresh market, mechanical harvest
 Mississippi, 2010

Southern Peas			-----BREAKEVEN PRICE-----										
			9.03	9.67	10.42	11.28	12.31	13.54	15.05	16.93	19.35	22.57	27.09
PERCENT	YIELD	UNIT	-----dollars-----										
50	32.00	101b	-378	-357	-333	-305	-273	-233	-185	-125	-47	55	199
			-578	-557	-533	-505	-472	-433	-385	-325	-247	-144	0
60	38.40	101b	-320	-295	-267	-233	-194	-146	-89	-16	75	199	373
			-520	-495	-466	-433	-394	-346	-289	-216	-123	0	173
70	44.80	101b	-262	-233	-200	-161	-115	-60	7	91	199	344	546
			-462	-433	-400	-361	-315	-260	-192	-108	0	144	346
80	51.20	101b	-204	-171	-133	-89	-36	26	103	199	323	488	720
			-404	-371	-333	-289	-236	-173	-96	0	123	289	520
90	57.60	101b	-146	-109	-66	-16	42	113	199	308	447	633	893
			-346	-309	-266	-216	-157	-86	0	108	247	433	693
100	64.00	101b	-89	-47	-0	55	121	199	296	416	571	777	1066
			-289	-247	-200	-144	-78	0	96	216	371	578	867
110	70.40	101b	-31	14	66	127	199	286	392	525	695	922	1240
			-231	-185	-133	-72	0	86	192	325	495	722	1040
120	76.80	101b	26	75	133	199	278	373	488	633	819	1066	1413
			-173	-123	-66	0	78	173	289	433	619	867	1213
130	83.20	101b	84	137	199	272	357	459	585	741	943	1211	1587
			-115	-61	0	72	157	260	385	541	743	1011	1387
140	89.60	101b	142	199	266	344	436	546	681	850	1066	1355	1760
			-57	0	66	144	236	346	481	650	867	1156	1560
150	96.00	101b	199	261	333	416	515	633	777	958	1190	1500	1933
			0	61	133	216	315	433	578	758	990	1300	1734

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2009 input prices.

Table 14.A Estimated resource use and costs for field operations, per acre
 Squash, summer, fresh market, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Feb							0.4950	35.00	17.33	17.33
Chisel Plow	9'	2WD 75 hp	0.220	1.00	Feb	2.10	1.39	0.69	1.34	0.22	2.47				7.99
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Mar	3.78	2.50	0.87	2.03	0.39	4.45				13.63
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Mar	1.34	0.89	0.41	1.19	0.21	2.21				6.04
Fert 13-13-13	cwt											9.0000	15.43	138.87	138.87
BS, Lay/Tape/Squash	Bed 5'cntr	2WD 75 hp	1.294	1.00	Mar	12.32	8.16	2.56	8.20	1.29	14.53				45.77
Plastic Mulch	roll											2.2000	162.00	356.40	356.40
Drip Tape	roll											1.5000	156.00	234.00	234.00
Plntr/H20/pnch/seed	1-Row	2WD 75 hp	2.578	1.00	Apr	24.54	16.26	4.31	7.94	5.15	51.95				105.00
Squash - Hybrid	lb											2.0000	127.00	254.00	254.00
Irrigation				1.00	Apr										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.92				8.92
Calcium Nitrate	lb											25.0000	0.35	8.75	8.75
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Brigade 2EC	oz											6.0000	1.08	6.48	6.48
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									2.00	17.84				17.84
Calcium Nitrate	lb											50.0000	0.35	17.50	17.50
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Quadris	oz											11.0000	2.56	28.16	28.16
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.92				8.92
Calcium Nitrate	lb											25.0000	0.35	8.75	8.75
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	4.68	3.10	15.09	29.44	0.49	5.51				57.82
Brigade 2EC	oz											12.0000	1.08	12.96	12.96
Bravo Weather Stick	pt											3.0000	7.74	23.22	23.22
Fertigate CAN03/KN03				4.00	May										
FERTIGATION LABOR	hour									4.00	35.68				35.68
Calcium Nitrate	lb											100.0000	0.35	35.00	35.00
Trailer - Vegetables	16'	2WD 75 hp	0.090	10.00	Jun	8.56	5.68	0.48	0.90	1.80	18.14				33.76
HARVEST LABOR	hour			1.00	Jun					100.00	892.00				892.00
5-Gal Bucket	each											200.0000	3.00	600.00	600.00
Bushel Box	each											250.0000	1.20	300.00	300.00
GRADE & PACK LABOR	hour			10.00	Jun					110.00	981.20				981.20
Mulch Lifter	1-Row	2WD 75 hp	0.589	1.00	Jun	5.61	3.72	0.13	2.78	0.58	6.62				18.86
LABOR MULCH CLEANUP	hour									15.00	133.80				133.80
Irrigation Setup	acre				Apr							1.0000			462.61
TOTALS						67.59	44.80	39.64	83.26	243.65	2189.76			2491.48	5379.14
INTEREST ON OPERATING CAPITAL															34.75
UNALLOCATED LABOR															15.94
TOTAL SPECIFIED COST															5429.83

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

Table 14.B Estimated costs per acre
 Squash, summer, fresh market, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	35.00	0.4950	17.33	_____
Fert 13-13-13	cwt	15.43	9.0000	138.87	_____
Calcium Nitrate	lb	0.35	200.0000	70.00	_____
FUNGICIDE					
Quadris	oz	2.56	11.0000	28.16	_____
Bravo Weather Stick	pt	7.74	3.0000	23.22	_____
INSECTICIDE					
Brigade 2EC	oz	1.08	18.0000	19.44	_____
SEED/PLANTS					
Squash - Hybrid	lb	127.00	2.0000	254.00	_____
OTHER					
Plastic Mulch	roll	162.00	2.2000	356.40	_____
5-Gal Bucket	each	3.00	200.0000	600.00	_____
Bushel Box	each	1.20	250.0000	300.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	1.5000	234.00	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	11.23	7.1016	79.74	_____
HARVEST LABOR					
Special Labor	hour	8.92	100.0000	892.00	_____
GRADE & PACK LABOR					
Special Labor	hour	8.92	110.0000	981.20	_____
HAND LABOR					
Implements	hour	8.92	3.5486	31.66	_____
FERTIGATION LABOR					
Special Labor	hour	8.92	8.0000	71.36	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.92	15.0000	133.80	_____
UNALLOCATED LABOR					
	hour	11.22	1.4203	15.94	_____
DIESEL FUEL					
Tractors	gal	2.22	27.4151	60.85	_____
REPAIR & MAINTENANCE					
Implements	acre	39.64	1.0000	39.64	_____
Tractors	acre	6.74	1.0000	6.74	_____
INTEREST ON OP. CAP.	acre	34.75	1.0000	34.75	_____
TOTAL DIRECT EXPENSES				4839.16	_____
FIXED EXPENSES					
Implements	acre	83.26	1.0000	83.26	_____
Tractors	acre	44.80	1.0000	44.80	_____
Irrigation Setup	acre	462.61	1.0000	462.61	_____
TOTAL FIXED EXPENSES				590.67	_____
TOTAL SPECIFIED EXPENSES				5429.83	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

Table 14.C Estimated monthly income and expense flows per acre
 Squash, summer, fresh market, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2010

ITEM	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
FERTILIZER	17.33	138.87	35.00	35.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	51.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	19.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	254.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	356.40	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	234.00	450.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.96	25.31	106.65	35.68	2035.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.89	15.70	30.50	0.00	12.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.90	5.58	37.88	0.00	2.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.43	11.63	11.09	0.53	11.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	23.51	787.49	996.00	71.21	2960.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-23.51	-787.49	-996.00	-71.21	-2960.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-23.51	-811.00	-1807.00	-1878.21	-4839.16	-4839.16	-4839.16	-4839.16	-4839.16	-4839.16	-4839.16	-4839.16

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

* Lease costs are based on hourly usage costs.

Table 14.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Squash, summer, fresh market, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2010

			-----BREAKEVEN PRICE-----										
Squash			14.88	15.85	16.98	18.30	19.85	21.71	23.99	26.84	30.51	35.39	42.23
PERCENT	YIELD	UNIT	-----dollars-----										
50	125.00	421b	-2828 -3419	-2706 -3297	-2565 -3156	-2401 -2991	-2206 -2797	-1973 -2564	-1688 -2279	-1332 -1923	-874 -1465	-264 -854	590 0
60	150.00	421b	-2486 -3077	-2340 -2930	-2170 -2761	-1973 -2564	-1740 -2331	-1460 -2051	-1118 -1709	-691 -1282	-142 -732	590 0	1616 1025
70	175.00	421b	-2144 -2735	-1973 -2564	-1776 -2367	-1546 -2136	-1274 -1864	-947 -1538	-549 -1139	-50 -641	590 0	1445 854	2642 2051
80	200.00	421b	-1802 -2393	-1607 -2198	-1381 -1972	-1118 -1709	-808 -1398	-435 -1025	20 -569	590 0	1323 732	2300 1709	3667 3077
90	225.00	421b	-1460 -2051	-1241 -1831	-987 -1578	-691 -1282	-341 -932	77 -512	590 0	1231 641	2056 1465	3155 2564	4693 4102
100	250.00	421b	-1118 -1709	-874 -1465	-592 -1183	-264 -854	124 -466	590 0	1160 569	1872 1282	2788 2198	4009 3419	5719 5128
110	275.00	421b	-776 -1367	-508 -1099	-198 -789	163 -427	590 0	1103 512	1730 1139	2513 1923	3521 2930	4864 4273	6745 6154
120	300.00	421b	-435 -1025	-142 -732	196 -394	590 0	1056 466	1616 1025	2300 1709	3155 2564	4254 3663	5719 5128	7770 7180
130	325.00	421b	-93 -683	224 -366	590 0	1018 427	1523 932	2129 1538	2870 2279	3796 3205	4986 4396	6574 5983	8796 8205
140	350.00	421b	248 -341	590 0	985 394	1445 854	1989 1398	2642 2051	3439 2849	4437 3846	5719 5128	7428 6838	9822 9231
150	375.00	421b	590 0	957 366	1379 789	1872 1282	2455 1864	3155 2564	4009 3419	5078 4487	6452 5861	8283 7693	10848 10257

The top number in each cell is Returns Above Direct Expenses.

The bottom number in each cell is Returns Above Total Specified Expenses.

Only the product listed has been varied to calculate net returns.

Note: Cost of production estimates are based on 2009 input prices.

Table 15.A Estimated resource use and costs for field operations, per acre
 Sweet corn, fresh market, hand harvest
 Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Jan							0.4950	35.00	17.33	17.33
Chisel Plow	9'	2WD 75 hp	0.220	1.00	Feb	2.10	1.39	0.69	1.34	0.22	2.47				7.99
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Feb	3.78	2.50	0.87	2.03	0.39	4.45				13.63
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Mar	1.34	0.89	0.41	1.19	0.21	2.21				6.04
Fert 13-13-13	cwt											7.5000	15.43	115.73	115.73
Cultivate	4-Row	2WD 75 hp	0.155	1.00	Mar	1.48	0.98	0.33	0.97	0.15	1.74				5.50
Plntr-vacuum+insect	4R 30-40	2WD 75 hp	0.226	1.00	Mar	2.16	1.43	19.97	36.19	0.22	2.55				62.30
Sweet Corn - Hybrid	lb											9.0000	13.00	117.00	117.00
Poncho	oz											0.2020	0.62	0.13	0.13
Cult + App Herb	4-Row	2WD 75 hp	0.193	1.00	Mar	1.84	1.22	0.34	0.99	0.29	3.04				7.43
Bicep II Magnum	pt											4.0000	5.08	20.32	20.32
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	2.00	Apr	3.69	2.45	2.45	12.73	0.58	6.08				27.40
Amm Nitrate (34%)	cwt											4.0000	14.23	56.92	56.92
Sprayer 110 gal	30' 47hp		0.035	7.00	May	1.95	5.06			0.37	3.87				10.88
Brigade 2EC	oz											42.0000	1.08	45.36	45.36
Sprayer 110 gal	30' 47hp		0.035	5.00	Jun	1.39	3.61			0.26	2.77				7.77
Radiant 1SC	oz											30.0000	4.99	149.70	149.70
Brigade 2EC	oz											20.0000	1.08	21.60	21.60
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Jun	0.86	0.57	0.05	0.09	0.18	1.81				3.38
HARVEST & PACK LABOR	hour			1.00	Jun					50.00	446.00				446.00
Crates - Sweet Corn	each			1.00	Jun							200.0000	1.25	250.00	250.00
Ice + Cooling	crate											200.0000	0.70	140.00	140.00
TOTALS						20.59	20.10	25.11	55.53	52.89	476.99			934.09	1532.41
INTEREST ON OPERATING CAPITAL															10.05
UNALLOCATED LABOR															5.02
TOTAL SPECIFIED COST															1547.48

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 15.B Estimated costs per acre
Sweet corn, fresh market, hand harvest
Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	35.00	0.4950	17.33	_____
Fert 13-13-13	cwt	15.43	7.5000	115.73	_____
Amm Nitrate (34%)	cwt	14.23	4.0000	56.92	_____
HERBICIDE					
Bicep II Magnum	pt	5.08	4.0000	20.32	_____
INSECTICIDE					
Poncho	oz	0.62	0.2020	0.13	_____
Brigade 2EC	oz	1.08	62.0000	66.96	_____
Radiant 1SC	oz	4.99	30.0000	149.70	_____
SEED/PLANTS					
Sweet Corn - Hybrid	lb	13.00	9.0000	117.00	_____
OTHER					
Crates - Sweet Corn	each	1.25	200.0000	250.00	_____
Ice + Cooling	crate	0.70	200.0000	140.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	1.8112	20.33	_____
Self-Propelled	hour	11.23	0.4231	4.75	_____
HAND LABOR					
Implements	hour	8.92	0.4512	4.02	_____
Self-Propelled	hour	8.92	0.2115	1.89	_____
HARVEST & PACK LABOR					
Special Labor	hour	8.92	50.0000	446.00	_____
UNALLOCATED LABOR	hour	11.23	0.4468	5.02	_____
DIESEL FUEL					
Tractors	gal	2.22	6.9920	15.52	_____
Self-Propelled	gal	2.22	0.9092	2.02	_____
REPAIR & MAINTENANCE					
Implements	acre	25.11	1.0000	25.11	_____
Tractors	acre	1.73	1.0000	1.73	_____
Self-Propelled	acre	1.32	1.0000	1.32	_____
INTEREST ON OP. CAP.	acre	10.05	1.0000	10.05	_____
TOTAL DIRECT EXPENSES				1471.85	_____
FIXED EXPENSES					
Implements	acre	55.53	1.0000	55.53	_____
Tractors	acre	11.43	1.0000	11.43	_____
Self-Propelled	acre	8.67	1.0000	8.67	_____
TOTAL FIXED EXPENSES				75.63	_____
TOTAL SPECIFIED EXPENSES				1547.48	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 15.C Estimated monthly income and expense flows per acre
 Sweet corn, fresh market, hand harvest
 Mississippi, 2010

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
FERTILIZER	17.33	0.00	115.73	56.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	20.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.13	0.00	45.36	171.30	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	117.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	8.30	11.16	6.95	4.42	451.18	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	5.29	6.14	3.32	1.18	1.61	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	2.15	21.73	2.82	0.77	0.69	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.39	0.30	4.38	0.79	0.39	3.80	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	17.72	16.04	296.59	70.80	52.12	1018.58	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-17.72	-16.04	-296.59	-70.80	-52.12	-1018.58	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-17.72	-33.76	-330.35	-401.15	-453.27	-1471.85	-1471.85	-1471.85	-1471.85	-1471.85	-1471.85	-1471.85

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 15.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Sweet corn, fresh market, hand harvest
 Mississippi, 2010

Sweet Corn			-----BREAKEVEN PRICE-----										
			5.81	6.08	6.40	6.77	7.21	7.73	8.37	9.18	10.21	11.59	13.51
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	5doz	-695 -770	-667 -743	-635 -711	-598 -674	-554 -630	-502 -578	-438 -513	-357 -433	-254 -330	-117 -192	75 0
60	120.00	5doz	-617 -693	-584 -660	-546 -622	-502 -578	-449 -525	-386 -462	-309 -385	-213 -289	-89 -165	75 0	306 231
70	140.00	5doz	-540 -616	-502 -578	-457 -533	-406 -481	-344 -420	-271 -346	-181 -256	-68 -144	75 0	268 192	538 462
80	160.00	5doz	-463 -539	-419 -495	-368 -444	-309 -385	-239 -315	-155 -231	-52 -128	75 0	240 165	460 385	769 693
90	180.00	5doz	-386 -462	-337 -412	-280 -355	-213 -289	-134 -210	-39 -115	75 0	220 144	405 330	653 578	1000 924
100	200.00	5doz	-309 -385	-254 -330	-191 -266	-117 -192	-29 -105	75 0	204 128	364 289	571 495	846 770	1231 1156
110	220.00	5doz	-232 -308	-172 -247	-102 -177	-20 -96	75 0	191 115	332 256	509 433	736 660	1038 963	1462 1387
120	240.00	5doz	-155 -231	-89 -165	-13 -88	75 0	180 105	306 231	460 385	653 578	901 825	1231 1156	1694 1618
130	260.00	5doz	-78 -154	-6 -82	75 0	171 96	285 210	422 346	589 513	798 722	1066 990	1424 1348	1925 1849
140	280.00	5doz	-1 -77	75 0	164 88	268 192	390 315	538 462	717 642	942 867	1231 1156	1616 1541	2156 2080
150	300.00	5doz	75 0	158 82	253 177	364 289	496 420	653 578	846 770	1087 1011	1396 1321	1809 1734	2387 2312

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2009 input prices.

Table 16.A Estimated resource use and costs for field operations, per acre
 Sweet corn, fresh market, train harvest (shipping)
 Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Jan							0.4950	35.00	17.33	17.33
Chisel Plow	9'	2WD 75 hp	0.220	1.00	Feb	2.10	1.39	0.69	1.34	0.22	2.47				7.99
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Feb	3.78	2.50	0.87	2.03	0.39	4.45				13.63
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Mar	1.34	0.89	0.41	1.19	0.21	2.21				6.04
Fert 13-13-13	cwt											7.5000	15.43	115.73	115.73
Cultivate	4-Row	2WD 75 hp	0.155	1.00	Mar	1.48	0.98	0.33	0.97	0.15	1.74				5.50
Plntr-vacuum+insect	4R 30-40	2WD 75 hp	0.226	1.00	Mar	2.16	1.43	19.97	36.19	0.22	2.55				62.30
Sweet Corn - Hybrid	lb											9.0000	13.00	117.00	117.00
Poncho	oz											0.2020	0.62	0.13	0.13
Cult + App Herb	4-Row	2WD 75 hp	0.193	1.00	Mar	1.84	1.22	0.34	0.99	0.29	3.04				7.43
Bicep II Magnum	pt											4.0000	5.08	20.32	20.32
Cultivate+Sidedress	2-Row	2WD 75 hp	0.390	2.00	Apr	7.44	4.93	1.76	9.16	1.17	12.25				35.54
Amm Nitrate (34%)	cwt											4.0000	14.23	56.92	56.92
Sprayer 110 gal	30' 47hp		0.035	7.00	May	1.95	5.06			0.37	3.87				10.88
Brigade 2EC	oz											42.0000	1.08	45.36	45.36
Sprayer 110 gal	30' 47hp		0.035	5.00	Jun	1.39	3.61			0.26	2.77				7.77
Radiant 1SC	oz											30.0000	4.99	149.70	149.70
Brigade 2EC	oz											20.0000	1.08	21.60	21.60
Mule Train (Corn)	30'	2WD 75 hp	0.229	1.00	Jun	2.18	1.45	12.71	95.56	7.56	67.98				179.88
Trailer(MuleTrn)Corn	16'	2WD 75 hp	0.229	1.00	Jun	2.18	1.45	2.03	3.82	0.68	6.66				16.14
Crates - Sweet Corn	each			1.00	Jun							200.0000	1.25	250.00	250.00
Ice + Cooling	crate											200.0000	0.70	140.00	140.00
TOTALS						27.84	24.91	39.11	151.25	11.55	109.99			934.09	1287.19
INTEREST ON OPERATING CAPITAL															8.83
UNALLOCATED LABOR															6.72
TOTAL SPECIFIED COST															1302.74

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 16.B Estimated costs per acre
Sweet corn, fresh market, train harvest (shipping)
Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	35.00	0.4950	17.33	_____
Fert 13-13-13	cwt	15.43	7.5000	115.73	_____
Amm Nitrate (34%)	cwt	14.23	4.0000	56.92	_____
HERBICIDE					
Bicep II Magnum	pt	5.08	4.0000	20.32	_____
INSECTICIDE					
Poncho	oz	0.62	0.2020	0.13	_____
Brigade 2EC	oz	1.08	62.0000	66.96	_____
Radiant 1SC	oz	4.99	30.0000	149.70	_____
SEED/PLANTS					
Sweet Corn - Hybrid	lb	13.00	9.0000	117.00	_____
OTHER					
Crates - Sweet Corn	each	1.25	200.0000	250.00	_____
Ice + Cooling	crate	0.70	200.0000	140.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	2.5731	28.88	_____
Self-Propelled	hour	11.23	0.4231	4.75	_____
HARVEST LABOR					
Implements	hour	8.92	7.7917	69.50	_____
HAND LABOR					
Implements	hour	8.92	0.5580	4.97	_____
Self-Propelled	hour	8.92	0.2115	1.89	_____
UNALLOCATED LABOR	hour	11.21	0.5992	6.72	_____
DIESEL FUEL					
Tractors	gal	2.22	9.9333	22.05	_____
Self-Propelled	gal	2.22	0.9092	2.02	_____
REPAIR & MAINTENANCE					
Implements	acre	39.11	1.0000	39.11	_____
Tractors	acre	2.45	1.0000	2.45	_____
Self-Propelled	acre	1.32	1.0000	1.32	_____
INTEREST ON OP. CAP.	acre	8.83	1.0000	8.83	_____
TOTAL DIRECT EXPENSES				1126.58	_____
FIXED EXPENSES					
Implements	acre	151.25	1.0000	151.25	_____
Tractors	acre	16.24	1.0000	16.24	_____
Self-Propelled	acre	8.67	1.0000	8.67	_____
TOTAL FIXED EXPENSES				176.16	_____
TOTAL SPECIFIED EXPENSES				1302.74	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 16.C Estimated monthly income and expense flows per acre
 Sweet corn, fresh market, train harvest (shipping)
 Mississippi, 2010

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
FERTILIZER	17.33	0.00	115.73	56.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	20.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.13	0.00	45.36	171.30	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	117.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	8.30	11.16	14.00	4.42	78.83	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	5.29	6.14	6.70	1.18	4.76	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	2.15	21.73	2.50	0.77	15.73	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.39	0.30	4.38	0.90	0.39	2.47	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	17.72	16.04	296.59	81.02	52.12	663.09	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-17.72	-16.04	-296.59	-81.02	-52.12	-663.09	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-17.72	-33.76	-330.35	-411.37	-463.49	-1126.58	-1126.58	-1126.58	-1126.58	-1126.58	-1126.58	-1126.58

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 16.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
Sweet corn, fresh market, train harvest (shipping)
Mississippi, 2010

Sweet Corn			-----BREAKEVEN PRICE-----										
			4.99	5.21	5.46	5.75	6.09	6.51	7.01	7.65	8.46	9.55	11.07
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	5doz	-431 -607	-409 -585	-384 -560	-355 -531	-320 -497	-279 -455	-228 -405	-165 -341	-84 -260	24 -151	176 0
60	120.00	5doz	-370 -546	-344 -520	-314 -490	-279 -455	-238 -414	-188 -364	-127 -303	-51 -227	45 -130	176 0	358 182
70	140.00	5doz	-309 -486	-279 -455	-244 -420	-203 -379	-155 -331	-97 -273	-26 -202	62 -113	176 0	328 151	540 364
80	160.00	5doz	-249 -425	-214 -390	-174 -350	-127 -303	-72 -248	-6 -182	74 -101	176 0	306 130	479 303	722 546
90	180.00	5doz	-188 -364	-149 -325	-104 -280	-51 -227	10 -165	85 -91	176 0	290 113	436 260	631 455	905 729
100	200.00	5doz	-127 -303	-84 -260	-34 -210	24 -151	93 -82	176 0	277 101	403 227	566 390	783 607	1087 911
110	220.00	5doz	-66 -243	-19 -195	35 -140	100 -75	176 0	267 91	378 202	517 341	696 520	935 759	1269 1093
120	240.00	5doz	-6 -182	45 -130	106 -70	176 0	259 82	358 182	479 303	631 455	827 650	1087 911	1451 1275
130	260.00	5doz	54 -121	111 -65	176 0	252 75	341 165	449 273	581 405	745 569	957 781	1239 1063	1634 1458
140	280.00	5doz	115 -60	176 0	246 70	328 151	424 248	540 364	682 506	859 683	1087 911	1391 1215	1816 1640
150	300.00	5doz	176 0	241 65	316 140	403 227	507 331	631 455	783 607	973 797	1217 1041	1543 1366	1998 1822

The top number in each cell is Returns Above Direct Expenses.

The bottom number in each cell is Returns Above Total Specified Expenses.

Only the product listed has been varied to calculate net returns.

Note: Cost of production estimates are based on 2009 input prices.

Table 17.A Estimated resource use and costs for field operations, per acre
Sweet potatoes
Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Trapping	acre			1.00	Apr							1.0000	1.00	1.00	1.00
Spray (Broadcast)	60'	MFWD 130	0.028	1.00	Apr	0.50	0.53	0.14	0.19	0.04	0.45				1.81
Glystar Plus	pt											2.0000	3.19	6.38	6.38
Disk Harrow	24'	MFWD 170	0.082	2.00	Apr	3.85	4.41	1.54	3.61	0.16	1.86				15.27
Chisel Plow Folding	16'	MFWD 170	0.116	1.00	Apr	2.72	3.11	0.57	1.11	0.11	1.31				8.82
Custom Apply Fert	acre			1.00	Apr							1.0000	9.00	9.00	9.00
Fert 5-20-30+S+B	cwt											7.5000	27.61	207.08	207.08
Lorsban 15G	lb											13.3000	1.89	25.14	25.14
Disk Bed (Hipper)	8R-40	MFWD 130	0.070	1.80	May	2.24	2.41	0.54	1.58	0.12	1.42				8.19
Disk Bed (Hipper)	8R-40	MFWD 130	0.070	0.20	May	0.25	0.27	0.06	0.18	0.01	0.16				0.92
Spray (Broadcast)	60'	MFWD 130	0.028	1.00	May	0.50	0.53	0.14	0.19	0.04	0.45				1.81
Valor SX	oz											2.0000	3.94	7.88	7.88
Trailer-Sweet Potato	16'	MFWD 130	0.598	1.00	May	10.61	11.35	5.31	9.97	0.59	6.72				43.96
Sweetpotato Plants	thous											12.0000	30.00	360.00	360.00
Trailer Water	10'	MFWD 130	0.600	1.00	May	10.62	11.37	0.27	0.87	0.60	6.74				29.87
Plnt/Transplants	8R-42	MFWD 170	0.333	1.00	May	7.77	8.90	0.08	6.48	5.66	57.07				80.30
Crate Sweetpotato	each											2.0000	8.00	16.00	16.00
Spray (Broadcast)	60'	MFWD 130	0.028	1.00	May	0.50	0.53	0.14	0.19	0.04	0.45				1.81
Command 3ME	pt											2.0000	15.00	30.00	30.00
Brigade 2EC	oz											6.4000	1.08	6.91	6.91
Ditcher		MFWD 130	0.020	1.00	May	0.36	0.38	0.04	0.06	0.02	0.22				1.06
Scouting Sweetpotato	acre			1.00	May							1.0000	15.00	15.00	15.00
Spray (Broadcast)	60'	MFWD 130	0.028	1.00	May	0.50	0.53	0.14	0.19	0.04	0.45				1.81
Brigade 2EC	oz											6.4000	1.08	6.91	6.91
Cultivate	8R-42	MFWD 130	0.073	1.00	May	1.30	1.40	0.44	1.28	0.07	0.83				5.25
Ditcher		MFWD 130	0.020	1.00	May	0.36	0.38	0.04	0.06	0.02	0.22				1.06
Cultivate	8R-42	MFWD 130	0.073	1.00	Jun	1.30	1.40	0.44	1.28	0.07	0.83				5.25
Ditcher		MFWD 130	0.020	1.00	Jun	0.36	0.38	0.04	0.06	0.02	0.22				1.06
Spray (Broadcast)	60'	MFWD 130	0.028	0.50	Jul	0.25	0.27	0.07	0.10	0.02	0.22				0.91
Poast 1.53	pt											0.5000	10.78	5.39	5.39
Hand Weeding Swt.Pot	acre			1.00	Jul							1.0000	20.00	20.00	20.00
Stalk Shredder-Flail	15'	MFWD 130	0.110	1.00	Sep	1.97	2.10	0.43	1.37	0.11	1.25				7.12
Trailer-Sweet Potato	16'	MFWD 130	0.598	1.00	Sep	10.61	11.35	5.31	9.97	0.59	6.72				43.96
SWEET POTATO LABOR	hour									1.00	10.00				10.00
Truck	1/2 ton		2.310	1.00	Sep	9.78	12.63			2.31	25.94				48.35
Truck	1 ton +		1.730	1.00	Sep	3.99	16.40			1.73	19.43				39.82
Harvester,Swt.Potato	2 Row	MFWD 170	1.011	1.00	Sep	23.55	26.99	5.98	10.21	7.07	65.46				132.19
SWEET POTATO LABOR	hour									30.00	300.00				300.00
Bin Repair	each											2.0000	60.00	120.00	120.00
Custom Skid Loader				1.00	Sep										43.60
SKID LOADER LABOR-2	hour									4.36	43.60				43.60
Custom Skid Loader-2	acre											1.0000	13.63	13.63	13.63
Fuel Skid Loader (2)	acre											1.0000	7.10	7.10	7.10
Fork Lift			2.220	1.00	Sep	7.55	8.37			2.22	24.93				40.85
Custom Haul Swt. Pot	acre			1.00	Sep							1.0000	70.00	70.00	70.00
Storage Sweetpotato	cwt			1.00	Sep							112.0000	2.00	224.00	224.00
Clean, grade, pack	box			1.00	Sep							330.0000	2.00	660.00	660.00
Box Sweetpotato	each											330.0000	1.37	452.10	452.10
Broker Sweetpotato	box			1.00	Sep							330.0000	1.00	330.00	330.00
TOTALS						101.44	125.99	21.72	48.95	57.09	576.95			2593.52	3468.57
INTEREST ON OPERATING CAPITAL															26.02
UNALLOCATED LABOR															23.04
TOTAL SPECIFIED COST															3517.63

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 17.B Estimated costs per acre
Sweet potatoes
Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM					
Trapping	acre	1.00	1.0000	1.00	_____
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
Scouting Sweetpotato	acre	15.00	1.0000	15.00	_____
Custom Skid Loader-2	acre	13.63	1.0000	13.63	_____
Fuel Skid Loader (2)	acre	7.10	1.0000	7.10	_____
Custom Haul Swt. Pot	acre	70.00	1.0000	70.00	_____
FERTILIZER					
Fert 5-20-30+S+B	cwt	27.61	7.5000	207.08	_____
HERBICIDE					
Glystar Plus	pt	3.19	2.0000	6.38	_____
Valor SX	oz	3.94	2.0000	7.88	_____
Command 3ME	pt	15.00	2.0000	30.00	_____
Poast 1.53	pt	10.78	0.5000	5.39	_____
INSECTICIDE					
Lorsban 15G	lb	1.89	13.3000	25.14	_____
Brigade 2EC	oz	1.08	12.8000	13.82	_____
SEED/PLANTS					
Sweetpotato Plants	thous	30.00	12.0000	360.00	_____
OTHER					
Crate Sweetpotato	each	8.00	2.0000	16.00	_____
Hand Weeding Swt.Pot	acre	20.00	1.0000	20.00	_____
Bin Repair	each	60.00	2.0000	120.00	_____
Storage Sweetpotato	cwt	2.00	112.0000	224.00	_____
Clean, grade, pack	box	2.00	330.0000	660.00	_____
Box Sweetpotato	each	1.37	330.0000	452.10	_____
Broker Sweetpotato	box	1.00	330.0000	330.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	4.0100	45.03	_____
Self-Propelled	hour	11.23	6.2600	70.30	_____
HAND LABOR					
Implements	hour	8.92	6.1296	54.69	_____
SWEET POTATO LABOR					
Special Labor	hour	10.00	31.0000	310.00	_____
Implements	hour	10.00	5.3333	53.33	_____
SKID LOADER LABOR-2					
Special Labor	hour	10.00	4.3600	43.60	_____
UNALLOCATED LABOR	hour	11.21	2.0540	23.04	_____
DIESEL FUEL					
Tractors	gal	2.22	30.1810	67.02	_____
Self-Propelled	gal	2.22	1.2456	2.77	_____
GASOLINE					
Self-Propelled	gal	2.47	3.1416	7.76	_____
LP GAS					
Self-Propelled	gal	2.64	2.3754	6.27	_____
REPAIR & MAINTENANCE					
Implements	acre	21.72	1.0000	21.72	_____
Tractors	acre	13.10	1.0000	13.10	_____
Self-Propelled	acre	4.52	1.0000	4.52	_____
INTEREST ON OP. CAP.	acre	26.02	1.0000	26.02	_____
TOTAL DIRECT EXPENSES				3342.69	_____
FIXED EXPENSES					
Implements	acre	48.95	1.0000	48.95	_____
Tractors	acre	88.59	1.0000	88.59	_____
Self-Propelled	acre	37.40	1.0000	37.40	_____
TOTAL FIXED EXPENSES				174.94	_____
TOTAL SPECIFIED EXPENSES				3517.63	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 17.C Estimated monthly income and expense flows per acre
 Sweet potatoes
 Mississippi, 2010

ITEM	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
CUSTOM	10.00	15.00	0.00	0.00	0.00	90.73	0.00	0.00	0.00	0.00	0.00	0.00
FERTILIZER	207.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	6.38	37.88	0.00	5.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	25.14	13.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	16.00	0.00	20.00	0.00	1786.10	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.31	78.91	1.26	0.25	0.00	515.26	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.90	29.33	1.39	0.21	0.00	46.99	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	3.42	12.88	0.75	0.11	0.00	22.18	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	5.90	10.56	0.05	0.29	0.00	9.22	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	268.13	574.38	3.45	26.25	0.00	2470.48	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-268.13	-574.38	-3.45	-26.25	0.00	-2470.48	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-268.13	-842.51	-845.96	-872.21	-872.21	-3342.69	-3342.69	-3342.69	-3342.69	-3342.69	-3342.69	-3342.69

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 17.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
Sweet potatoes
Mississippi, 2010

Sweet Potatoes			-----BREAKEVEN PRICE-----										
			8.57	9.02	9.54	10.15	10.86	11.72	12.77	14.08	15.76	18.01	21.16
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	40lb	-1712	-1644	-1567	-1476	-1369	-1240	-1083	-886	-633	-296	174
			-1887	-1819	-1742	-1651	-1544	-1415	-1258	-1061	-808	-471	0
60	180.00	40lb	-1523	-1442	-1349	-1240	-1111	-957	-768	-532	-229	174	741
			-1698	-1617	-1524	-1415	-1286	-1132	-943	-707	-404	0	566
70	210.00	40lb	-1334	-1240	-1131	-1004	-854	-674	-454	-178	174	646	1307
			-1509	-1415	-1306	-1179	-1029	-849	-629	-353	0	471	1132
80	240.00	40lb	-1146	-1038	-913	-768	-597	-391	-139	174	579	1118	1873
			-1321	-1213	-1088	-943	-772	-566	-314	0	404	943	1698
90	270.00	40lb	-957	-836	-696	-532	-339	-108	174	528	983	1590	2439
			-1132	-1011	-871	-707	-514	-283	0	353	808	1415	2264
100	300.00	40lb	-768	-633	-478	-296	-82	174	489	882	1388	2062	3005
			-943	-808	-653	-471	-257	0	314	707	1213	1887	2830
110	330.00	40lb	-579	-431	-260	-60	174	458	804	1236	1792	2534	3572
			-754	-606	-435	-235	0	283	629	1061	1617	2359	3397
120	360.00	40lb	-391	-229	-42	174	432	741	1118	1590	2197	3005	4138
			-566	-404	-217	0	257	566	943	1415	2022	2830	3963
130	390.00	40lb	-202	-27	174	410	689	1024	1433	1944	2601	3477	4704
			-377	-202	0	235	514	849	1258	1769	2426	3302	4529
140	420.00	40lb	-13	174	392	646	947	1307	1747	2298	3005	3949	5270
			-188	0	217	471	772	1132	1572	2123	2830	3774	5095
150	450.00	40lb	174	377	610	882	1204	1590	2062	2652	3410	4421	5836
			0	202	435	707	1029	1415	1887	2477	3235	4246	5661

The top number in each cell is Returns Above Direct Expenses.

The bottom number in each cell is Returns Above Total Specified Expenses.

Only the product listed has been varied to calculate net returns.

Note: Cost of production estimates are based on 2009 input prices.

Table 18.A Estimated resource use and costs for field operations, per acre
 Tomatoes, fresh market, irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Feb							0.3300	35.00	11.55	11.55
Chisel Plow	9'	2WD 75 hp	0.220	1.00	Feb	2.10	1.39	0.69	1.34	0.22	2.47				7.99
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Mar	3.78	2.50	0.87	2.03	0.39	4.45				13.63
Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Mar	0.80	0.53	0.06	0.23	0.08	0.95				2.57
Amm Nitrate (34%)	cwt											1.1700	14.23	16.65	16.65
Phosphorus(46% P205)	cwt											2.6000	15.35	39.91	39.91
Potash (60% K20)	cwt											2.0000	26.10	52.20	52.20
Disk + Incorporate	10'	2WD 75 hp	0.206	1.00	Mar	1.97	1.30	0.80	1.56	0.30	3.24				8.87
Diazinon AG600	pt											4.0000	5.92	23.68	23.68
Treflan HFP	pt											0.7500	3.11	2.34	2.34
BS, L,T,FumigTomato	Bed 6'cntr	2WD 75 hp	1.078	1.00	Mar	10.26	6.80	3.77	12.06	4.31	40.97				73.86
Plastic Mulch	roll											1.8000	162.00	291.60	291.60
Drip Tape	roll											1.2000	156.00	187.20	187.20
Mythl Bromide 67/33	lb											200.0000	4.50	900.00	900.00
Plntr/H2O Tomato	1R 6'cntr	2WD 75 hp	1.718	1.00	Apr	16.36	10.84	2.27	4.18	6.87	65.29				98.94
PLANTING LABOR	hour									30.00	267.60				267.60
Tomato Plants-Hybrid	thous											4.4000	108.55	477.62	477.62
Fert 15-30-15	lb											37.5000	0.23	8.63	8.63
Admire Pro	oz											7.0000	5.06	35.42	35.42
Irrigation				1.00	Apr										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.92				8.92
Calcium Nitrate	lb											30.0000	0.35	10.50	10.50
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Bravo Weather Stick	pt											1.5000	7.74	11.61	11.61
Radiant 1SC	oz											10.0000	4.99	49.90	49.90
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.92				8.92
Calcium Nitrate	lb											30.0000	0.35	10.50	10.50
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Radiant 1SC	oz											10.0000	4.99	49.90	49.90
Quadris	oz											5.0000	2.56	12.80	12.80
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									2.00	17.84				17.84
Calcium Nitrate	lb											60.0000	0.35	21.00	21.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Quadris	oz											5.0000	2.56	12.80	12.80
Brigade 2EC	oz											6.0000	1.08	6.48	6.48
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Radiant 1SC	oz											10.0000	4.99	49.90	49.90
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Brigade 2EC	oz											6.0000	1.08	6.48	6.48
Bravo Weather Stick	pt											2.0000	7.74	15.48	15.48
Oberon 2SC	oz											8.0000	4.16	33.28	33.28
Fertigate CAN03/KN03				1.00	May										
FERTIGATION LABOR	hour									1.00	8.92				8.92
Calcium Nitrate	lb											30.0000	0.35	10.50	10.50

(continued)

Table 18.A Estimated resource use and costs for field operations, per acre
 Tomatoes, fresh market, irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2010 (continued)

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
HAND & STOR LABOR	hour			1.00	May						10.00	89.20				89.20
Wood Stakes	100												44.0000	15.00	660.00	660.00
Plastic string	6000'												4.0000	11.00	44.00	44.00
Fertigate CAN03/KN03				3.00	May											
FERTIGATION LABOR	hour										3.00	26.76				26.76
Calcium Nitrate	lb												90.0000	0.35	31.50	31.50
Sucker Control				1.00	Jun											
HAND LABOR	hour										5.00	44.60				44.60
Fertigate CAN03/KN03				1.00	Jun											
FERTIGATION LABOR	hour										1.00	8.92				8.92
Calcium Nitrate	lb												30.0000	0.35	10.50	10.50
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jun	2.33	1.55	7.55	14.72	0.24	2.76					28.91
Bravo Weather Stick	pt												2.0000	7.74	15.48	15.48
Brigade 2EC	oz												6.0000	1.08	6.48	6.48
Fertigate CAN03/KN03				3.00	Jun											
FERTIGATION LABOR	hour										3.00	26.76				26.76
Calcium Nitrate	lb												90.0000	0.35	31.50	31.50
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jul	2.33	1.55	7.55	14.72	0.24	2.76					28.91
Brigade 2EC	oz												6.0000	1.08	6.48	6.48
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Jul	0.86	0.57	0.05	0.09	0.18	1.81					3.38
CustomHarvest Tomato	box			1.00	Jul								1600.0000	1.00	1600.00	1600.00
5-Gal Bucket	each												200.0000	3.00	600.00	600.00
GRADE & PACK LABOR	hour			1.00	Jul						320.00	2854.40				2854.40
Box Tomato	box												1600.0000	1.72	2752.00	2752.00
Mulch Lifter	1-Row	2WD 75 hp	0.589	1.00	Jul	5.61	3.72	0.13	2.78	0.58	6.62					18.86
LABOR MULCH CLEANUP	hour										15.00	133.80				133.80
Irrigation Setup	acre				Apr								1.0000			458.62
TOTALS							58.05	38.50	61.49	127.31	406.68	3641.76			8555.93	12941.66
INTEREST ON OPERATING CAPITAL																96.24
UNALLOCATED LABOR																13.68
TOTAL SPECIFIED COST																13051.58

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.
 Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

Table 18.B Estimated costs per acre
 Tomatoes, fresh market, irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM					
CustomHarvest Tomato	box	1.00	1600.0000	1600.00	_____
FERTILIZER					
Lime (Spread)	ton	35.00	0.3300	11.55	_____
Amm Nitrate (34%)	cwt	14.23	1.1700	16.65	_____
Phosphorus(46% P205)	cwt	15.35	2.6000	39.91	_____
Potash (60% K20)	cwt	26.10	2.0000	52.20	_____
Fert 15-30-15	lb	0.23	37.5000	8.63	_____
Calcium Nitrate	lb	0.35	360.0000	126.00	_____
FUNGICIDE					
Bravo Weather Stick	pt	7.74	5.5000	42.57	_____
Quadris	oz	2.56	10.0000	25.60	_____
HERBICIDE					
Treflan HFP	pt	3.11	0.7500	2.34	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	4.0000	23.68	_____
Admire Pro	oz	5.06	7.0000	35.42	_____
Radiant 1SC	oz	4.99	30.0000	149.70	_____
Brigade 2EC	oz	1.08	24.0000	25.92	_____
Oberon 2SC	oz	4.16	8.0000	33.28	_____
SEED/PLANTS					
Tomato Plants-Hybrid	thous	108.55	4.4000	477.62	_____
OTHER					
Plastic Mulch	roll	162.00	1.8000	291.60	_____
Mythl Bromide 67/33	lb	4.50	200.0000	900.00	_____
Wood Stakes	100	15.00	44.0000	660.00	_____
Plastic string	6000'	11.00	4.0000	44.00	_____
5-Gal Bucket	each	3.00	200.0000	600.00	_____
Box Tomato	box	1.72	1600.0000	2752.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	1.2000	187.20	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	11.23	6.1026	68.55	_____
PLANTING LABOR					
Special Labor	hour	8.92	30.0000	267.60	_____
GRADE & PACK LABOR					
Special Labor	hour	8.92	320.0000	2854.40	_____
HAND & STOR LABOR					
Special Labor	hour	8.92	10.0000	89.20	_____
HAND LABOR					
Special Labor	hour	8.92	5.0000	44.60	_____
Implements	hour	8.92	8.5846	76.57	_____
FERTIGATION LABOR					
Special Labor	hour	8.92	12.0000	107.04	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.92	15.0000	133.80	_____
UNALLOCATED LABOR	hour	11.20	1.2205	13.68	_____
DIESEL FUEL					
Tractors	gal	2.22	23.5585	52.27	_____
REPAIR & MAINTENANCE					
Implements	acre	61.49	1.0000	61.49	_____
Tractors	acre	5.78	1.0000	5.78	_____
INTEREST ON OP. CAP.	acre	96.24	1.0000	96.24	_____
TOTAL DIRECT EXPENSES				12427.15	_____
FIXED EXPENSES					
Implements	acre	127.31	1.0000	127.31	_____
Tractors	acre	38.50	1.0000	38.50	_____
Irrigation Setup	acre	458.62	1.0000	458.62	_____
TOTAL FIXED EXPENSES				624.43	_____
TOTAL SPECIFIED EXPENSES				13051.58	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.
 Irrigation implies 6 acre inches applied as needed over the
 production period for both fertigation and water needs.

Table 18.C Estimated monthly income and expense flows per acre
 Tomatoes, fresh market, irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2010

ITEM	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
CUSTOM	0.00	0.00	0.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	0.00	0.00
FERTILIZER	11.55	108.76	50.63	42.00	42.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	24.41	28.28	15.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	23.68	135.22	96.14	6.48	6.48	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	477.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	1191.60	0.00	704.00	0.00	3352.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	187.20	450.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.96	53.57	379.05	134.81	83.59	3001.46	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.89	15.13	18.93	6.30	2.10	7.92	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.90	7.18	19.46	23.34	7.78	8.61	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.39	29.81	23.32	11.63	1.19	29.90	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	17.69	1619.27	1578.70	1046.50	158.62	8006.37	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-17.69	-1619.27	-1578.70	-1046.50	-158.62	-8006.37	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-17.69	-1636.96	-3215.66	-4262.16	-4420.78	-12427.15	-12427.15	-12427.15	-12427.15	-12427.15	-12427.15	-12427.15

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

* Lease costs are based on hourly usage costs.

Table 18.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Tomatoes, fresh market, irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2010

Tomatoes			-----BREAKEVEN PRICE-----										
			6.34	6.60	6.90	7.25	7.66	8.15	8.76	9.51	10.48	11.77	13.58
PERCENT	YIELD	UNIT	-----dollars-----										
50	800.00	25lb	-5164 -5788	-4957 -5582	-4719 -5343	-4440 -5065	-4111 -4736	-3717 -4341	-3234 -3859	-2631 -3256	-1856 -2480	-822 -1447	624 0
60	960.00	25lb	-4585 -5209	-4337 -4961	-4051 -4675	-3717 -4341	-3322 -3946	-2848 -3473	-2269 -2894	-1546 -2170	-616 -1240	624 0	2361 1736
70	1120.00	25lb	-4006 -4631	-3717 -4341	-3383 -4007	-2993 -3618	-2533 -3157	-1980 -2604	-1305 -1929	-460 -1085	624 0	2071 1447	4097 3473
80	1280.00	25lb	-3427 -4052	-3096 -3721	-2715 -3339	-2269 -2894	-1743 -2368	-1112 -1736	-340 -964	624 0	1864 1240	3518 2894	5834 5209
90	1440.00	25lb	-2848 -3473	-2476 -3101	-2047 -2671	-1546 -2170	-954 -1578	-243 -868	624 0	1709 1085	3105 2480	4966 4341	7571 6946
100	1600.00	25lb	-2269 -2894	-1856 -2480	-1379 -2003	-822 -1447	-164 -789	624 0	1589 964	2795 2170	4345 3721	6413 5788	9307 8683
110	1760.00	25lb	-1691 -2315	-1236 -1860	-711 -1335	-99 -723	624 0	1492 868	2554 1929	3880 3256	5586 4961	7860 7236	11044 10419
120	1920.00	25lb	-1112 -1736	-616 -1240	-43 -667	624 0	1413 789	2361 1736	3518 2894	4966 4341	6826 6202	9307 8683	12780 12156
130	2080.00	25lb	-533 -1157	4 -620	624 0	1348 723	2203 1578	3229 2604	4483 3859	6051 5427	8067 7442	10754 10130	14517 13893
140	2240.00	25lb	45 -578	624 0	1292 667	2071 1447	2992 2368	4097 3473	5448 4824	7136 6512	9307 8683	12202 11577	16254 15629
150	2400.00	25lb	624 0	1244 620	1960 1335	2795 2170	3781 3157	4966 4341	6413 5788	8222 7597	10548 9923	13649 13024	17990 17366

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2009 input prices.

Table 19.A Estimated resource use and costs for field operations, per acre
 Watermelons, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Jan							1.5000	35.00	52.50	52.50
Chisel Plow	9'	2WD 75 hp	0.220	1.00	Feb	2.10	1.39	0.69	1.34	0.22	2.47				7.99
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Feb	1.89	1.25	0.43	1.02	0.19	2.23				6.82
BS, Lay/Tape/Melon	Bed 8'cntr	2WD 75 hp	0.808	1.00	Mar	7.70	5.10	2.60	8.33	0.80	9.08				32.81
Plastic Mulch	roll											1.4000	162.00	226.80	226.80
Drip Tape	roll											0.9000	156.00	140.40	140.40
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Mar	0.60	0.40	0.15	0.20	0.09	0.98				2.33
Strategy	pt											2.0000	10.02	20.04	20.04
Plntr/H2O Melon	1R 8'cntr	2WD 75 hp	0.645	1.00	Mar	6.14	4.07	1.15	2.11	2.58	24.51				37.98
Watermelon - Hybrid	thous											1.8000	107.00	192.60	192.60
Irrigation				1.00	Mar										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Fertigate CAN03/KN03				1.00	Mar										
FERTIGATION LABOR	hour									1.00	8.92				8.92
Calcium Nitrate	lb											89.0000	0.35	31.15	31.15
Potash (60% K20)	cwt											0.5000	26.10	13.05	13.05
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Assail 30 SG	oz											4.0000	6.66	26.64	26.64
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.92				8.92
Calcium Nitrate	lb											89.0000	0.35	31.15	31.15
Potash (60% K20)	cwt											0.5000	26.10	13.05	13.05
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Brigade 2EC	oz											6.0000	1.08	6.48	6.48
Fertigate CAN03/KN03				4.00	Apr										
FERTIGATION LABOR	hour									4.00	35.68				35.68
Calcium Nitrate	lb											356.0000	0.35	124.60	124.60
Potash (60% K20)	cwt											2.0000	26.10	52.20	52.20
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	4.68	3.10	15.09	29.44	0.49	5.51				57.82
Bravo Weather Stick	pt											3.0000	7.74	23.22	23.22
Quadris	oz											22.0000	2.56	56.32	56.32
Fertigate CAN03/KN03				1.00	May										
FERTIGATION LABOR	hour									1.00	8.92				8.92
Calcium Nitrate	lb											89.0000	0.35	31.15	31.15
Potash (60% K20)	cwt											0.5000	26.10	13.05	13.05
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Bravo Weather Stick	pt											2.0000	7.74	15.48	15.48
Fertigate CAN03/KN03				2.00	May										
FERTIGATION LABOR	hour									2.00	17.84				17.84
Calcium Nitrate	lb											178.0000	0.35	62.30	62.30
Potash (60% K20)	cwt											1.0000	26.10	26.10	26.10
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jun	2.33	1.55	7.55	14.72	0.24	2.76				28.91
Brigade 2EC	oz											6.0000	1.08	6.48	6.48

(continued)

Table 19.A Estimated resource use and costs for field operations, per acre
 Watermelons, irrigated
 8 ft spacing with 12 gpm with 5,445 ft of drip tape, Mississippi, 2010(continued)

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Trailer - Vegetables 16'		2WD 75 hp	0.090	4.00	Jun	3.43	2.27	0.19	0.36	0.72	7.25					13.50
Harvest Labor Melons cwt				1.00	Jun							200.0000	2.00	400.00		400.00
Pallet Crates-1350lb each												20.0000	13.50	270.00		270.00
Plastic Clean Up				1.00	Jun											
Mulch Lifter	1-Row	2WD 75 hp	0.589			5.61	3.72	0.13	2.78	0.58	6.62					18.86
LABOR MULCH CLEANUP	hour									15.00	133.80					133.80
Irrigation Setup	acre				Mar								1.0000			450.63
TOTALS						41.47	27.50	50.63	104.46	30.68	283.77			2284.82		3243.28
INTEREST ON OPERATING CAPITAL																27.52
UNALLOCATED LABOR																9.78
TOTAL SPECIFIED COST																3280.58

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

Table 19.B Estimated costs per acre
 Watermelons, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	35.00	1.5000	52.50	_____
Calcium Nitrate	lb	0.35	801.0000	280.35	_____
Potash (60% K20)	cwt	26.10	4.5000	117.45	_____
FUNGICIDE					
Bravo Weather Stick	pt	7.74	5.0000	38.70	_____
Quadris	oz	2.56	22.0000	56.32	_____
HERBICIDE					
Strategy	pt	10.02	2.0000	20.04	_____
INSECTICIDE					
Assail 30 SG	oz	6.66	4.0000	26.64	_____
Brigade 2EC	oz	1.08	12.0000	12.96	_____
SEED/PLANTS					
Watermelon - Hybrid	thous	107.00	1.8000	192.60	_____
OTHER					
Plastic Mulch	roll	162.00	1.4000	226.80	_____
Harvest Labor Melons	cwt	2.00	200.0000	400.00	_____
Pallet Crates-1350lb	each	13.50	20.0000	270.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	0.9000	140.40	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	11.23	4.3578	48.94	_____
HAND LABOR					
Implements	hour	8.92	2.3268	20.75	_____
FERTIGATION LABOR					
Special Labor	hour	8.92	9.0000	80.28	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.92	15.0000	133.80	_____
UNALLOCATED LABOR	hour	11.22	0.8715	9.78	_____
DIESEL FUEL					
Tractors	gal	2.22	16.8230	37.34	_____
REPAIR & MAINTENANCE					
Implements	acre	50.63	1.0000	50.63	_____
Tractors	acre	4.13	1.0000	4.13	_____
INTEREST ON OP. CAP.	acre	27.52	1.0000	27.52	_____

TOTAL DIRECT EXPENSES				2697.99	_____
FIXED EXPENSES					
Implements	acre	104.46	1.0000	104.46	_____
Tractors	acre	27.50	1.0000	27.50	_____
Irrigation Setup	acre	450.63	1.0000	450.63	_____

TOTAL FIXED EXPENSES				582.59	_____

TOTAL SPECIFIED EXPENSES				3280.58	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.
 Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

Table 19.C Estimated monthly income and expense flows per acre
 Watermelons, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2010

ITEM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIRECT EXPENSES												
FERTILIZER	52.50	0.00	44.20	221.00	132.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	95.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	20.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	33.12	0.00	6.48	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	192.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	226.80	0.00	0.00	670.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	590.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	5.64	46.90	51.22	36.68	153.11	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	3.59	13.00	4.20	6.31	10.24	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.52	5.34	15.56	23.34	9.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.18	0.20	17.10	3.66	2.21	3.17	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	53.68	10.95	1156.44	328.76	296.16	852.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-53.68	-10.95	-1156.44	-328.76	-296.16	-852.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-53.68	-64.63	-1221.07	-1549.83	-1845.99	-2697.99	-2697.99	-2697.99	-2697.99	-2697.99	-2697.99	-2697.99

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

* Lease costs are based on hourly usage costs.

Table 19.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Watermelons, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2010

			-----BREAKEVEN PRICE-----										
Watermelons			11.60	12.28	13.08	14.00	15.09	16.40	18.00	20.00	22.57	25.99	30.79
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	cwt	-1336 -1919	-1268 -1850	-1189 -1771	-1096 -1679	-987 -1570	-856 -1439	-697 -1279	-497 -1079	-240 -822	102 -479	582 0
60	120.00	cwt	-1144 -1727	-1062 -1645	-967 -1550	-856 -1439	-726 -1308	-569 -1151	-377 -959	-137 -719	171 -411	582 0	1158 575
70	140.00	cwt	-952 -1535	-856 -1439	-746 -1328	-617 -1199	-464 -1046	-281 -863	-57 -639	222 -359	582 0	1062 479	1734 1151
80	160.00	cwt	-760 -1343	-651 -1233	-524 -1107	-377 -959	-202 -785	6 -575	262 -319	582 0	993 411	1542 959	2310 1727
90	180.00	cwt	-569 -1151	-445 -1028	-303 -885	-137 -719	59 -523	294 -287	582 0	942 359	1405 822	2022 1439	2885 2303
100	200.00	cwt	-377 -959	-240 -822	-81 -664	102 -479	320 -261	582 0	902 319	1302 719	1816 1233	2501 1919	3461 2879
110	220.00	cwt	-185 -767	-34 -616	139 -442	342 -239	582 0	870 287	1222 639	1662 1079	2227 1645	2981 2399	4037 3454
120	240.00	cwt	6 -575	171 -411	361 -221	582 0	844 261	1158 575	1542 959	2022 1439	2639 2056	3461 2879	4613 4030
130	260.00	cwt	198 -383	376 -205	582 0	822 239	1106 523	1446 863	1862 1279	2382 1799	3050 2467	3941 3358	5189 4606
140	280.00	cwt	390 -191	582 0	804 221	1062 479	1367 785	1734 1151	2182 1599	2741 2159	3461 2879	4421 3838	5764 5182
150	300.00	cwt	582 0	788 205	1025 442	1302 719	1629 1046	2022 1439	2501 1919	3101 2519	3872 3290	4901 4318	6340 5758

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2009 input prices.

APPENDIX

Appendix Table 1. Tractors/Harvesters: estimated purchase price, annual use, useful life, fuel use, and direct and fixed cost per hour, Mississippi, 2010

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	-----\$/hour-----					
Tractor (40-59hp)CB	2WD 50 hp	27,323	600	8	2.57	11.23	5.71	0.85	17.79	5.67	23.46
Tractor (40-59hp)CB	MFWD 50 hp	31,011	600	8	2.57	11.23	5.71	0.96	17.91	6.43	24.34
Tractor (40-59hp)RB	2WD 50 hp	21,340	600	8	2.57	11.23	5.71	0.66	17.61	4.42	22.03
Tractor (40-59hp)RB	MFWD 50 hp	25,324	600	8	2.57	11.23	5.71	0.79	17.73	5.25	22.99
Tractor (60-89hp)CB	2WD 75 hp	37,648	600	8	3.86	11.23	8.57	1.17	20.97	7.81	28.79
Tractor (60-89hp)CB	MFWD 75 hp	41,918	600	8	3.86	11.23	8.57	1.30	21.11	8.70	29.81
Tractor (60-89hp)RB	2WD 75 hp	30,393	600	8	3.86	11.23	8.57	0.94	20.74	6.30	27.05
Tractor (60-89hp)RB	MFWD 75 hp	34,785	600	8	3.86	11.23	8.57	1.08	20.88	7.22	28.10
Tractor(120-139hp)CB	MFWD 130	91,323	600	8	6.69	11.23	14.85	2.85	28.93	18.95	47.89
Tractor(160-179hp)CB	MFWD 170	123,668	600	8	8.75	11.23	19.42	3.86	34.52	26.69	61.21
Utility Vehicle	600CC	10,408	200	13	0.60	11.23	1.48	0.80	13.51	5.41	18.92

Notes:

Labor: Includes allocated labor from power unit.

Total Direct: Does not include interest on operating capital.

Appendix Table 2. Self-propelled machines: estimated purchase price, annual use, useful life, fuel use, performance rate, and direct and fixed cost per acre, Mississippi, 2010

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Perf Rate	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	hr/ac	-----\$/acre-----					
Fork Lift		30,350	1000	10	1.07	2.220	24.93	6.27	1.28	32.48	8.37	40.85
Sprayer 110 gal	30' 47hp	43,696	350	6	2.14	0.035	0.55	0.16	0.11	0.83	0.72	1.55
Sprayer(300-450GAL)	60'	94,162	350	8	5.66	0.017	0.27	0.22	0.08	0.58	0.63	1.22
Truck	1 ton +	39,343	780	5	0.72	1.730	19.42	2.76	1.22	23.41	16.40	39.81
Truck	1/2 ton	30,261	1040	5	1.36	2.310	25.94	7.75	2.01	35.71	12.63	48.35
Utility Vehicle	800CC	12,485	200	8	0.60	0.249	2.80	0.37	0.48	3.66	2.09	5.76

Notes:

Labor: includes allocated labor plus any additional labor from self-propelled machine.

Total Direct: Does not include interest on operating capital.

Appendix Table 3. Implements: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2010

Table with 14 columns: Item Name, Size, Power Unit, Purchase Price, Annual Use, Useful Life, Perf Rate, Labor, Fuel, ---R&M--- Imp. P.U., Total Direct, --Fixed-- Imp. P.U., Total Cost. Rows list various agricultural implements like 'Bd Shaper Cucumber', 'Chain Harrow', 'Disk Mower', etc.

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2010

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
ADJUVANT			Assure 1l	oz	1.06
Crop oil Conc. (Veg) pt		3.27	Atrazine 4L	pt	2.52
CUSTOM			Basagran	pt	11.54
Contract Plt BPepper 1000pl		13.75	Bicep II Magnum	pt	5.08
Custom Apply Fert acre		9.00	Bicep 1l	pt	4.00
Custom Haul Swt. Pot acre		70.00	Command 3ME	pt	15.00
Custom Skid Loader-2 acre		13.63	Curbit EC	pt	6.30
CustomHarvest Tomato box		1.00	Dacthal W-75	lb	17.94
Fuel Skid Loader (2) acre		7.10	Dual II Magnum	pt	13.22
Scouting Sweetpotato acre		15.00	Dual Magnum	pt	12.46
Site Prep w/Dozer acre		213.00	Eptam 7E	pt	5.47
Trapping acre		1.00	Fusilade DX	oz	1.43
FERTILIZER			Glyphosate 3lbs a.e. pt		3.49
32% Liquid Nitrogen qt		0.29	Glyphosate 3lbs a.e. oz		0.22
Amm Nitrate (34%) cwt		14.23	Glystar Plus	pt	3.19
Amm. Sulfate(21%N) lb		0.22	Goal 2XL	pt	11.18
Boron (20% Sol) lb		0.40	Gramonone Inteon	oz	0.25
Calcium Nitrate lbs		0.35	Gramoxone Max	pt	4.97
Calcium Nitrate lb		0.35	Guardsman Max	pt	5.74
CalciumNitrateMelon lb		0.35	Lasso 4EC	qt	6.60
Chicken Litter ton		12.00	Lorox 50 DF	lb	18.65
Elemental Sulfur lbs		0.35	Outlook	pt	20.68
Fert 10-10-10 lb		0.29	Permit 75DF	oz	18.88
Fert 13-13-13 cwt		15.43	Poast 1.53	pt	10.78
Fert 15-30-15 lb		0.23	Prefar 4E	pt	7.47
Fert 5-20-30+S+B cwt		27.61	Princep 4L	pt	3.18
Lime (Spread) ton		35.00	Roundup Original Max oz		0.45
Liquid Fish Fert. gal		14.80	Roundup Original Max pt		7.25
Liquid Lime Sulfur gal		3.70	Roundup Power Max pt		9.22
Phosphorus(46% P205) cwt		15.35	Roundup Power Max oz		0.58
Potash (60% K20) cwt		26.10	Roundup WeatherMax pt		8.98
Potassium Nitrate lb		0.36	Roundup WeatherMax oz		0.56
Potassium Sulfate lb		0.27	Sandea	oz	38.45
Sul-Po-Mag lb		0.21	Select 2EC	oz	1.53
Triple Superphosphat lb		0.15	Solicam DF	lb	23.41
FUNGICIDE			Stinger	oz	3.81
Basic Copper Sulfate lb		4.37	Strategy	pt	10.02
Botran 75W lb		15.95	Surflan AS	qt	16.00
Bravo Weather Stick pt		7.74	Treflan HFP	pt	3.11
Cabrio oz		2.00	Valor SX	oz	3.94
Captan 50 WP lb		5.33	INSECTICIDE		
Chateau WDG oz		5.75	Admire Pro	oz	5.06
Dithane Rainshield lb		2.54	Agri-Mek 15EC	oz	3.59
Elevate 50 WDG lb		35.55	Ambush 25WP	lb	15.63
Headline oz		2.75	Asana XL	oz	0.71
Kocide lb		3.54	Assail 30 SG	oz	6.66
Kocide 2000 lb		5.18	Azatin EC	oz	4.69
Kocide 3000 lb		6.99	Brigade 2EC	oz	1.08
Maneb 75 DF lb		2.65	Brigade WSB	lb	20.73
Manex qt		4.26	Capture 2EC	oz	1.50
Manzate 75 DF lb		7.43	Confirm 2F	oz	1.62
Manzate FL pt		4.60	Diazinon AG600	pt	5.92
Mertect 340-F oz		2.38	Dimethoate 4EC	pt	6.05
Neem Oil pt		13.32	Dipel ES	pt	4.08
Nova 40W oz		4.00	Endosulfan 3EC	pt	4.09
Previcur Flex oz		0.65	Gaucho 600	oz	7.77
Pristine oz		2.56	Guthion 50WSP	lb	10.19
Procure 480SC oz		2.87	Imidan 70 WSB	lb	9.28
Quadris oz		2.56	K-Pam	gal	8.16
Ridomil Gold BravoSC oz		0.76	Lannate LV	pt	8.74
Ridomil Gold MZ lb		12.46	Lorsban 15G	lb	1.89
Telone II pt		1.87	Lorsban 4E	pt	6.42
Terraclor 75WP lb		6.89	Malathion 57EC	pt	4.23
Tilt oz		2.33	Malathion 5E	pt	3.81
Topsin 4.5L oz		0.81	Mustang Max	oz	1.55
HERBICIDE			Oberon 2SC	oz	4.16
Accent DF 75% oz		36.35	Orthene 90 WSP	lb	10.87
Alanap pt		4.66	Penncap-M	pt	3.64
			Poncho	oz	0.62

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi 2010 (continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Provado 1.6	oz	1.98	Mulch - TN & ARK	cu yd	15.00
Pyrethrins	oz	3.12	Mythl Bromide 67/33	lb	4.50
Radiant 1SC	oz	4.99	Pallet Crates-1350lb	each	13.50
Sevin XLR Plus	qt	9.85	Plastic Mulch	roll	162.00
Spintor 2SC	oz	5.78	Plastic string	6000ft	11.00
Thionex 3EC	pt	3.40	Pruner (Hand)	each	45.00
IRRIGATION SUPPLIES			Rec. Belt Conveyor	hour	1.43
Adapter(Reg to Head)	1 1/2"	1.56	Refrigeration-chill	month	375.00
Barb Lock Sleeve	1/4"	0.50	Rotary Packing Table	hour	7.19
Cost of PumpingWater	6" in	24.00	Row Covers	roll	147.00
Coupler	5/8"	0.75	Sacks - S Peas	each	0.65
Drip Tape	roll	156.00	Sheller w/Cleaner	hour	7.43
End Plug for Header	1 1/2"	1.55	Soil Test	each	6.00
Feeder Tube	ft	0.07	Soil Test Probe	each	75.00
Fertigation System	each	215.00	Stacking Bins	each	2.00
Header Line 1 1/2"	ft	0.38	Storage Sweetpotato	cwt	2.00
Hole Punch	1/4"	3.00	Wood Stakes	100	15.00
Hose Clamp	1 1/2"	0.57	SEED/PLANTS		
Pressure Regulator	12 PSI	35.00	Broccoli - Hybrid	thous	38.50
PVC Female Adaptor	1 1/2"	3.65	Broccoli - Hybrid	lb	1166.00
PVC Fitting (adpt)	1 1/2"	0.85	Broccoli - Organic	thous	51.55
PVC Fitting (bush)	1 1/2"	1.38	Broccoli - Organic	lb	1159.20
Rural Water	ac-in	75.01	Cabbage - Hybrid	thous	31.23
Transfer Barb	1/4"	0.25	Cabbage - Hybrid	lb	339.00
Y Filter	1"	17.00	Cabbage - Organic	thous	47.95
OTHER			Cabbage - Organic	lb	640.80
15g tub Bell Pepper	each	7.50	Collard Seed - OP	lb	8.00
5-Gal Bucket	each	3.00	Collard Seed -Hybrid	lb	279.00
Bag Sealer	hour	14.66	Cucumber - Hybrid	lb	117.00
Bag-secure row cover	each	0.10	Cucumber - Organic	lb	566.00
BB Mkting fee TN-Ark	lb	0.15	Greens - Hybrid	lb	114.00
BBMktingFee MS,AL,La	lb	0.15	Greens - OP	lb	9.00
Bee Hive	each	52.00	Greens - Organic	lb	27.75
Bin Repair	each	60.00	Greens - Organic OP	lb	20.53
Bin Sweetpotato	each	65.00	Lima Bean - Hybrid	lb	4.00
Bin Vegetable	each	75.00	Lima Bean - Organic	lb	59.00
Box Cabbage	each	2.70	Mustard - Organic	lb	75.96
Box Sweetpotato	each	1.37	Mustard Seed -Hybrid	lb	21.00
Box Tomato	box	1.72	Okra - Hybrid	lb	175.00
Boxes-Waxed	each	1.76	Okra - OP	lb	8.00
Broker Sweetpotato	box	1.00	Okra - Organic	lb	43.99
Bushel Box	each	1.20	Pepper Plants	100plt	9.12
Clean, grade, pack	box	2.00	Pepper Plts -Organic	100plt	7.85
Cooling Box - Greens	box	0.25	Peppers	lb	3211.00
Cooling Snap Beans	bu box	0.75	Peppers - Organic	lb	3598.20
CoolingBox S.Cabbage	box	0.25	Pumpkin Sd - Organic	lb	62.12
Crate Sweetpotato	each	8.00	Pumpkin Seed Hybrid	lb	78.00
Crates - Sweet Corn	each	1.25	S. Peas - Organic	lb	33.00
Field Box	each	13.50	Snap Beans - Hybrid	lb	6.00
Grain Drill 10' NRCS	acre	5.00	Snap Beans - Organic	lb	8.00
Grd & Pack S.Cabbage	box	1.40	Southern Peas - OP	lb	3.00
Hand Weeding Swt.Pot	acre	20.00	Squash - Hybrid	lb	127.00
Harv.Labor S.Cabbage	box	1.35	Squash Sd - Organic	lb	170.00
Harvest Crates	each	12.50	Sweetpotato -Organic	thous	100.00
Harvest Labor Melons	cwt	2.00	Sweet Corn - Hybrid	lb	13.00
Harvest Labor Pepper	bu	0.70	Sweet Corn-Organic	lb	15.00
Harvest Tomatoes	box	0.75	Sweetpotato Plants	thous	30.00
Hauling	trip	25.00	Tomato - Hybrid	lb	7022.00
Ice	cwt	7.10	Tomato - Organic	lb	6440.25
Ice + Cooling	crate	0.70	Tomato Plants-Hybrid	thous	108.55
Ice + Cooling	box	0.75	Tomato Plts -Organic	thous	70.05
Labor Clean up	acre	100.00	Turnip - Hybrid	lb	41.00
Labor Grading Bean	hour	6.44	Turnip - Organic	lb	20.53
Labor(Packing)	each	0.75	Turnip Seed - OP	lb	10.00
M-Pede Insect Soap	pt	2.12	Watermelon - Hybrid	lb	1111.00
Marketing Fee	box	1.00	Watermelon - Hybrid	thous	107.00
Midas 50/50	lb	9.00	Watermelon - OP	lb	32.00
Mulch - MS,AL,LA.	cu yd	10.00	Watermelon - Organic	lb	55.96

Appendix Table 5. Estimated fuel prices and interest rates,
Mississippi, 2010

ITEM NAME	UNIT	PRICE
		dollars
FUEL TYPES		
Diesel Fuel	gal	2.22
Gasoline	gal	2.47
LP Gas	gal	2.64
INTEREST RATES		
Short-term	%	4.50
Intermediate-term	%	6.50

Appendix Table 6. Labor names, units and wage rates,
Mississippi, 2010

Item name	Unit	Wage Rate
OPERATOR LABOR	hour	11.23
HARVEST LABOR	hour	8.92
PLANTING LABOR	hour	8.92
GRADE & PACK LABOR	hour	8.92
MARKETING LABOR	hour	8.92
HAND & STOR LABOR	hour	8.92
HAND LABOR	hour	8.92
FERTIGATION LABOR	hour	8.92
HARVEST & PACK LABOR	hour	8.92
HARVEST LABOR BEANS	hour	8.92
LABOR BEAN TRAILER	hour	8.92
GRD LABOR S. PEAS	hour	8.92
TRAILER LABOR S. PEA	hour	8.92
TRAILER LABOR CABBAG	hour	8.92
LABOR MULCH CLEANUP	hour	8.92
GRD LABOR LIMA BEANS	hour	8.92
GRD LABOR S. BEANS	hour	8.92
REFRESH STRAWBERRIES	hour	8.92
SBERRY PALLET PKGING	hour	8.92
SWEET POTATO LABOR	hour	10.00
SKID LOADER LABOR-2	hour	10.00

Appendix Table 7 Estimated costs per acre
 Drip tape irrigation system, 5 ft row spacing, 20 gpm
 with 8,712 ft of drip tape, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
IRRIGATION SUPPLIES					
Fertigation System	each	215.00	1.0000	215.00	_____
Barb Lock Sleeve	1/4"	0.50	45.0000	22.50	_____
Transfer Barb	1/4"	0.25	45.0000	11.25	_____
Feeder Tube	ft	0.07	50.0000	3.50	_____
Header Line 1 1/2"	ft	0.38	300.0000	114.00	_____
Adapter(Reg to Head)	1 1/2"	1.56	1.0000	1.56	_____
End Plug for Header	1 1/2"	1.55	1.0000	1.55	_____
Hose Clamp	1 1/2"	0.57	2.0000	1.14	_____
Pressure Regulator	12 PSI	35.00	1.0000	35.00	_____
PVC Female Adaptor	1 1/2"	3.65	1.0000	3.65	_____
Y Filter	1"	17.00	1.0000	17.00	_____
PVC Fitting (bush)	1 1/2"	1.38	1.0000	1.38	_____
PVC Fitting (adpt)	1 1/2"	0.85	1.0000	0.85	_____
Hole Punch	1/4"	3.00	1.0000	3.00	_____
Coupler	5/8"	0.75	4.0000	3.00	_____

TOTAL DIRECT EXPENSES				434.38	_____
TOTAL INTEREST				28.23	_____

TOTAL SPECIFIED EXPENSES				462.61	_____

Note: Cost of production estimates are based on 2009 input prices. These items are grouped together and listed as Irrigation Setup on the last line of Table A and also as a fixed expense on Table B in an irrigated budget. A capital recovery charge of \$462.61 will appear in the budget to represent the annual ownership cost of these items. Additional irrigation inputs (such as rural water, drip tape, and plastic mulch) are not included in this table, but are listed as individual inputs within each irrigated enterprise budget.

Appendix Table 8 Estimated costs per acre
 Drip tape irrigation system, 6 ft row spacing, 16 gpm
 with 7,260 ft of drip tape, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
IRRIGATION SUPPLIES					
Fertigation System	each	215.00	1.0000	215.00	_____
Barb Lock Sleeve	1/4"	0.50	40.0000	20.00	_____
Transfer Barb	1/4"	0.25	40.0000	10.00	_____
Feeder Tube	ft	0.07	50.0000	3.50	_____
Header Line 1 1/2"	ft	0.38	300.0000	114.00	_____
Adapter(Reg to Head)	1 1/2"	1.56	1.0000	1.56	_____
End Plug for Header	1 1/2"	1.55	1.0000	1.55	_____
Hose Clamp	1 1/2"	0.57	2.0000	1.14	_____
Pressure Regulator	12 PSI	35.00	1.0000	35.00	_____
PVC Female Adaptor	1 1/2"	3.65	1.0000	3.65	_____
Y Filter	1"	17.00	1.0000	17.00	_____
PVC Fitting (bush)	1 1/2"	1.38	1.0000	1.38	_____
PVC Fitting (adpt)	1 1/2"	0.85	1.0000	0.85	_____
Hole Punch	1/4"	3.00	1.0000	3.00	_____
Coupler	5/8"	0.75	4.0000	3.00	_____

TOTAL DIRECT EXPENSES				430.63	_____
TOTAL INTEREST				28.00	_____

TOTAL SPECIFIED EXPENSES				458.63	_____

Note: Cost of production estimates are based on 2009 input prices. These items are grouped together and listed as Irrigation Setup on the last line of Table A and also as a fixed expense on Table B in an irrigated budget. A capital recovery charge of \$458.63 will appear in the budget to represent the annual ownership cost of these items. Additional irrigation inputs (such as rural water, drip tape, and plastic mulch) are not included in this table, but are listed as individual inputs within each irrigated enterprise budget.

Appendix Table 9 Estimated costs per acre
 Drip tape irrigation system, 8 ft row spacing, 12 gpm
 with 5,445 ft of drip tape, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
IRRIGATION SUPPLIES					
Fertigation System	each	215.00	1.0000	215.00	_____
Barb Lock Sleeve	1/4"	0.50	30.0000	15.00	_____
Transfer Barb	1/4"	0.25	30.0000	7.50	_____
Feeder Tube	ft	0.07	50.0000	3.50	_____
Header Line 1 1/2"	ft	0.38	300.0000	114.00	_____
Adapter(Reg to Head)	1 1/2"	1.56	1.0000	1.56	_____
End Plug for Header	1 1/2"	1.55	1.0000	1.55	_____
Hose Clamp	1 1/2"	0.57	2.0000	1.14	_____
Pressure Regulator	12 PSI	35.00	1.0000	35.00	_____
PVC Female Adaptor	1 1/2"	3.65	1.0000	3.65	_____
Y Filter	1"	17.00	1.0000	17.00	_____
PVC Fitting (bush)	1 1/2"	1.38	1.0000	1.38	_____
PVC Fitting (adpt)	1 1/2"	0.85	1.0000	0.85	_____
Hole Punch	1/4"	3.00	1.0000	3.00	_____
Coupler	5/8"	0.75	4.0000	3.00	_____

TOTAL DIRECT EXPENSES				423.13	_____
FIXED EXPENSES					

TOTAL FIXED EXPENSES				27.50	_____

TOTAL SPECIFIED EXPENSES				450.63	_____

Note: Cost of production estimates are based on 2009 input prices.
 These items are grouped together and listed as Irrigation Setup on the last line of Table A and also as a fixed expense on Table B in an irrigated budget. A capital recovery charge of \$450.63 will appear in the budget to represent the annual ownership cost of these items. Additional irrigation inputs(such as rural water, drip tape, and plastic mulch) are not included in this table, but are listed as individual inputs within each irrigated enterprise budget.

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