

**TRADITIONAL
VEGETABLES
2011
PLANNING BUDGETS**

**Mississippi State University
Department of Agricultural Economics
Budget Report 2010-09**

December 2010

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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2011 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 2010. (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, 2011

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	46.00	15.18	15.18
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Sep	2.03	1.24	0.43	0.95	0.19	2.25				6.90
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Oct	2.03	1.24	0.43	0.95	0.19	2.25				6.90
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Oct	0.86	0.53	0.06	0.24	0.08	0.96				2.65
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	2.88	1.76	0.46	1.25	0.28	3.20				9.55
BS, L,T,Fung BPepper	Bed 6'cntr	2WD 75 hp	1.078	1.00	Oct	11.03	6.73	3.67	10.85	4.31	41.68				73.96
Plastic Mulch	roll											1.8000	162.00	291.60	291.60
Mythl Bromide 67/33	lb											200.0000	5.90	1180.00	1180.00
Drip Tape	roll											1.2000	147.50	177.00	177.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	0.50	Nov	0.33	0.24	0.07	0.09	0.04	0.50				1.23
Goal 2XL	pt											1.2500	9.58	11.98	11.98
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Mar	0.66	0.49	0.15	0.18	0.09	1.00				2.48
Gramoxone Max	pt											2.0000	4.97	9.94	9.94
Trailer Utility	10'	2WD 75 hp	0.600	1.00	Mar	6.29	4.68	0.09	0.30	0.60	6.81				18.17
Pepper Plants	100plt											170.0000	10.00	1700.00	1700.00
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	45.50				45.50
Calcium Nitrate	lb											100.0000	0.35	35.00	35.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Apr	0.66	0.49	0.15	0.18	0.09	1.00				2.48
Orthene 90 S	lb											0.6700	3.25	2.18	2.18
Kocide	lb											2.0000	3.54	7.08	7.08
Quadris	oz											6.2000	2.52	15.62	15.62
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									5.00	45.50				45.50
Calcium Nitrate	lb											100.0000	0.35	35.00	35.00
Trailer Utility	10'	2WD 75 hp	0.600	1.00	Apr	6.29	4.68	0.09	0.30	0.60	6.81				18.17
HAND LABOR	hour									15.00	136.50				136.50
Wood Stakes	100											36.0000	0.52	18.72	18.72
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Apr	0.66	0.49	0.15	0.18	0.09	1.00				2.48
Quadris	oz											6.2000	2.52	15.62	15.62
Kocide	lb											2.0000	3.54	7.08	7.08
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									5.00	45.50				45.50
Calcium Nitrate	lb											100.0000	0.35	35.00	35.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	0.66	0.49	0.15	0.18	0.09	1.00				2.48
Quadris	oz											6.2000	2.52	15.62	15.62
Kocide	lb											2.0000	3.54	7.08	7.08
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	May	1.98	1.21	0.10	0.28	0.29	3.08				6.65
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, 2011 (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	45.50					45.50
Calcium Nitrate	lb											100.0000	0.35	35.00		35.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	0.66	0.49	0.15	0.18	0.09	1.00					2.48
Ridomil Gold SL	oz											16.0000	6.22	99.52		99.52
1st Tiewing DB String				1.00	May											
HAND LABOR	hour									8.00	72.80					72.80
Plastic string	6000'											7.0000	9.00	63.00		63.00
Fertigate CAN03/KN03				2.00	May											
FERTIGATION LABOR	hour									5.00	45.50					45.50
Calcium Nitrate	lb											100.0000	0.35	35.00		35.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	0.66	0.49	0.15	0.18	0.09	1.00					2.48
Lannate LV	pt											1.0000	8.81	8.81		8.81
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	0.66	0.49	0.15	0.18	0.09	1.00					2.48
Ambush 25WP	lb											1.0000	10.50	10.50		10.50
2nd Tiewing DB String				1.00	Jun											
HAND LABOR	hour									5.00	45.50					45.50
Plastic string	6000'											5.0000	9.00	45.00		45.00
Cultivate	4-Row	2WD 75 hp	0.155	1.00	Jun	1.59	0.97	0.31	0.83	0.15	1.76					5.46
Trailer Utility	10'	2WD 75 hp	0.600	1.00	Jun	6.29	4.68	0.09	0.30	0.60	6.81					18.17
HAND LABOR	hour									8.00	72.80					72.80
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	728.00					728.00
Boxes-Waxed	each											1800.0000	1.62	2916.00		2916.00
Rotary Cutter	7'	2WD 75 hp	0.169	1.00	Jul	1.73	1.06	0.54	0.39	0.16	1.92					5.64
Take Up Reel (Mulch)	1-Row	2WD 75 hp	0.588	1.00	Jul	6.02	3.67	0.59	2.38	0.58	6.68					19.34
HAND LABOR	hour									12.00	109.20					109.20
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Jul	2.03	1.24	0.43	0.95	0.19	2.25					6.90
Southern Peas - OP	lb											33.0000	4.00	132.00		132.00
Irrigation Setup	acre				Mar							1.0000				371.06
TOTALS						56.00	37.36	8.41	21.32	161.98	1486.26			9839.67		11820.08
INTEREST ON OPERATING CAPITAL																167.42
UNALLOCATED LABOR																12.27
TOTAL SPECIFIED COST																11999.77

Note: Cost of production estimates are based on 2010 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, 2011

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	46.00	0.3300	15.18	_____
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	2.52	18.6000	46.87	_____
Ridomil Gold SL	oz	6.22	16.0000	99.52	_____
HERBICIDE					
Goal 2XL	pt	9.58	1.2500	11.98	_____
Gramoxone Max	pt	4.97	3.5000	17.40	_____
INSECTICIDE					
Orthene 90 S	lb	3.25	0.6700	2.18	_____
Lannate LV	pt	8.81	1.0000	8.81	_____
Ambush 25WP	lb	10.50	1.0000	10.50	_____
SEED/PLANTS					
Pepper Plants	100plt	10.00	170.0000	1700.00	_____
Southern Peas - OP	lb	4.00	33.0000	132.00	_____
OTHER					
Plastic Mulch	roll	162.00	1.8000	291.60	_____
Mythl Bromide 67/33	lb	5.90	200.0000	1180.00	_____
Wood Stakes	100	0.52	36.0000	18.72	_____
Plastic string	6000'	9.00	12.0000	108.00	_____
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	1.62	1800.0000	2916.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	147.50	1.2000	177.00	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	11.35	5.4161	61.47	_____
GRADE & PACK LABOR					
Special Labor	hour	9.10	80.0000	728.00	_____
HAND LABOR					
Special Labor	hour	9.10	48.0000	436.80	_____
Implements	hour	9.10	3.5672	32.49	_____
FERTIGATION LABOR					
Special Labor	hour	9.10	25.0000	227.50	_____
UNALLOCATED LABOR	hour	11.32	1.0832	12.27	_____
DIESEL FUEL					
Tractors	gal	2.39	20.9084	50.00	_____
REPAIR & MAINTENANCE					
Implements	acre	8.41	1.0000	8.41	_____
Tractors	acre	6.00	1.0000	6.00	_____
INTEREST ON OP. CAP.	acre	167.42	1.0000	167.42	_____
TOTAL DIRECT EXPENSES				11570.03	_____
FIXED EXPENSES					
Implements	acre	21.32	1.0000	21.32	_____
Tractors	acre	37.36	1.0000	37.36	_____
Irrigation Setup	acre	371.06	1.0000	371.06	_____
TOTAL FIXED EXPENSES				429.74	_____
TOTAL SPECIFIED EXPENSES				11999.77	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	15.18	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	45.40	122.22	0.00	0.00	0.00
HERBICIDE	0.00	0.00	11.98	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	2.18	19.31	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	1700.00	0.00	0.00	0.00	132.00	0.00
OTHER	0.00	1471.60	0.00	0.00	0.00	0.00	0.00	18.72	63.00	5046.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	177.00	0.00	0.00	0.00	0.00	450.06	0.00	0.00	0.00	0.00	0.00
LABOR	2.70	51.82	0.57	0.00	0.00	0.00	54.81	237.95	171.88	856.58	122.22	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	1.83	15.16	0.29	0.00	0.00	0.00	6.12	6.70	4.11	6.97	8.82	0.00
REPAIR & MAINTENANCE	0.63	6.26	0.11	0.00	0.00	0.00	1.07	1.30	1.21	1.31	2.52	0.00
INTEREST ON OP. CAP.	0.80	67.14	0.42	0.00	0.00	0.00	44.94	5.54	4.97	42.65	0.96	0.00
TOTAL DIRECT EXPENSES	21.14	1927.85	13.37	0.00	0.00	0.00	2535.69	387.79	464.16	5953.51	266.52	0.00
NET INCOME	-21.14	-1927.85	-13.37	0.00	0.00	0.00	-2535.69	-387.79	-464.16	-5953.51	-266.52	0.00
NET INCOME TO DATE	-21.14	-1948.99	-1962.36	-1962.36	-1962.36	-1962.36	-4498.05	-4885.84	-5350.00	-11303.51	-11570.03	-11570.03

Note: Cost of production estimates are based on 2010 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, 2011

			-----BREAKEVEN PRICE-----										
Bell Pepper			4.98	5.22	5.50	5.82	6.20	6.66	7.22	7.92	8.82	10.02	11.70
PERCENT	YIELD	UNIT	-----dollars-----										
50	900.00	Bu	-5612 -6041	-5396 -5826	-5147 -5577	-4856 -5286	-4513 -4943	-4101 -4531	-3598 -4027	-2968 -3398	-2159 -2589	-1080 -1510	429 0
60	1080.00	Bu	-5007 -5437	-4748 -5178	-4450 -4879	-4101 -4531	-3689 -4119	-3195 -3625	-2591 -3020	-1835 -2265	-864 -1294	429 0	2242 1812
70	1260.00	Bu	-4403 -4833	-4101 -4531	-3753 -4182	-3346 -3776	-2865 -3295	-2289 -2718	-1584 -2013	-703 -1132	429 0	1940 1510	4054 3625
80	1440.00	Bu	-3799 -4229	-3454 -3884	-3055 -3485	-2591 -3020	-2041 -2471	-1382 -1812	-577 -1006	429 0	1724 1294	3450 3020	5867 5437
90	1620.00	Bu	-3195 -3625	-2806 -3236	-2358 -2788	-1835 -2265	-1218 -1647	-476 -906	429 0	1562 1132	3019 2589	4961 4531	7679 7250
100	1800.00	Bu	-2591 -3020	-2159 -2589	-1661 -2091	-1080 -1510	-394 -823	429 0	1436 1006	2695 2265	4313 3884	6471 6041	9492 9062
110	1980.00	Bu	-1986 -2416	-1512 -1942	-964 -1394	-325 -755	429 0	1336 906	2443 2013	3828 3398	5608 5178	7982 7552	11305 10875
120	2160.00	Bu	-1382 -1812	-864 -1294	-267 -697	429 0	1253 823	2242 1812	3450 3020	4961 4531	6903 6473	9492 9062	13117 12687
130	2340.00	Bu	-778 -1208	-217 -647	429 0	1184 755	2077 1647	3148 2718	4457 4027	6093 5664	8197 7768	11002 10573	14930 14500
140	2520.00	Bu	-174 -604	429 0	1126 697	1940 1510	2901 2471	4054 3625	5464 5034	7226 6797	9492 9062	12513 12083	16742 16312
150	2700.00	Bu	429 0	1077 647	1824 1394	2695 2265	3725 3295	4961 4531	6471 6041	8359 7929	10787 10357	14023 13594	18555 18125

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 2010 input prices.

Table 2.A Estimated resource use and costs for field operations, per acre
 Broccoli, fall, fresh market
 Mississippi, 2011

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	46.00	22.77	22.77
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Aug	2.25	1.38	0.28	0.50	0.22	2.50				6.91
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Aug	4.06	2.48	0.87	1.90	0.39	4.50				13.81
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Aug	0.86	0.53	0.06	0.24	0.08	0.96				2.65
Fert 13-13-13	cwt											8.0000	15.43	123.44	123.44
Disk + Incorporate	10'	2WD 75 hp	0.206	1.00	Aug	2.11	1.29	0.80	1.45	0.30	3.28				8.93
Treflan HFP	pt											1.5000	3.11	4.67	4.67
Plntr/H2O Wheel	2-Row	2WD 75 hp	1.473	1.00	Aug	15.07	9.20	4.98	8.42	8.83	83.75				121.42
PLANTING LABOR	hour									30.00	273.00				273.00
Broccoli Plants	thous											18.0000	40.00	720.00	720.00
Cultivate+App Ins	4-Row	2WD 75 hp	0.193	1.00	Aug	1.98	1.21	0.10	0.28	0.29	3.08				6.65
Bravo Weather Stick	pt											1.5000	5.69	8.54	8.54
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Bravo Weather Stick	pt											1.5000	5.69	8.54	8.54
Dipel ES	pt											1.0000	4.56	4.56	4.56
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	Sep	1.98	1.21	0.72	3.34	0.29	3.08				10.33
Amm Nitrate (34%)	cwt											2.3000	18.00	41.40	41.40
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.52	1.53	9.34	16.87	0.24	2.79				33.05
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Bravo Weather Stick	pt											1.5000	5.69	8.54	8.54
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Oct	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Dipel ES	pt											1.0000	4.56	4.56	4.56
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Nov	0.92	0.56	0.05	0.08	0.18	1.84				3.45
HARVEST & PACK LABOR	hour			1.00	Nov					125.00	1137.50				1137.50
Boxes-Waxed	each											300.0000	1.62	486.00	486.00
Ice + Cooling	box											300.0000	0.75	225.00	225.00
TOTALS						39.31	23.98	45.22	83.69	166.59	1524.65			1669.86	3386.71
INTEREST ON OPERATING CAPITAL															26.89
UNALLOCATED LABOR															8.72
TOTAL SPECIFIED COST															3422.32

Note: Cost of production estimates are based on 2010 input prices.
Fertilization decisions should be based on soil tests.

Table 2.B Estimated costs per acre
 Broccoli, fall, fresh market
 Mississippi, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	46.00	0.4950	22.77	_____
Fert 13-13-13	cwt	15.43	8.0000	123.44	_____
Amm Nitrate (34%)	cwt	18.00	2.3000	41.40	_____
FUNGICIDE					
Bravo Weather Stick	pt	5.69	4.5000	25.61	_____
HERBICIDE					
Treflan HFP	pt	3.11	1.5000	4.67	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	2.0000	11.84	_____
Dipel ES	pt	4.56	2.0000	9.12	_____
SEED/PLANTS					
Broccoli Plants	thous	40.00	18.0000	720.00	_____
OTHER					
Boxes-Waxed	each	1.62	300.0000	486.00	_____
Ice + Cooling	box	0.75	300.0000	225.00	_____
OPERATOR LABOR					
Tractors	hour	11.35	3.8404	43.60	_____
PLANTING LABOR					
Special Labor	hour	9.10	30.0000	273.00	_____
HAND LABOR					
Implements	hour	9.10	7.7530	70.55	_____
HARVEST & PACK LABOR					
Special Labor	hour	9.10	125.0000	1137.50	_____
UNALLOCATED LABOR	hour	11.35	0.7680	8.72	_____
DIESEL FUEL					
Tractors	gal	2.39	14.8256	35.45	_____
REPAIR & MAINTENANCE					
Implements	acre	45.22	1.0000	45.22	_____
Tractors	acre	3.86	1.0000	3.86	_____
INTEREST ON OP. CAP.	acre	26.89	1.0000	26.89	_____
TOTAL DIRECT EXPENSES				3314.65	_____
FIXED EXPENSES					
Implements	acre	83.69	1.0000	83.69	_____
Tractors	acre	23.98	1.0000	23.98	_____
TOTAL FIXED EXPENSES				107.67	_____
TOTAL SPECIFIED EXPENSES				3422.32	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	22.77	123.44	41.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	8.54	17.08	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	10.48	4.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	720.00	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	711.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	376.91	13.57	3.35	1139.54	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	23.75	8.60	2.27	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	9.67	29.68	9.59	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.41	18.38	1.29	0.14	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	23.18	1291.28	122.10	19.91	1858.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-23.18	-1291.28	-122.10	-19.91	-1858.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-23.18	-1314.46	-1436.56	-1456.47	-3314.65	-3314.65	-3314.65	-3314.65	-3314.65	-3314.65	-3314.65	-3314.65

Note: Cost of production estimates are based on 2010 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, 2011

Broccoli			-----BREAKEVEN PRICE-----										
			8.14	8.61	9.15	9.77	10.51	11.40	12.49	13.85	15.59	17.92	21.18
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	211b	-1848 -1956	-1778 -1886	-1698 -1805	-1604 -1711	-1493 -1600	-1359 -1467	-1196 -1304	-992 -1100	-730 -838	-381 -489	107 0
60	180.00	211b	-1653 -1760	-1569 -1676	-1472 -1580	-1359 -1467	-1226 -1333	-1066 -1173	-870 -978	-625 -733	-311 -419	107 0	694 586
70	210.00	211b	-1457 -1565	-1359 -1467	-1246 -1354	-1115 -1222	-959 -1067	-772 -880	-544 -652	-259 -366	107 0	596 489	1281 1173
80	240.00	211b	-1261 -1369	-1150 -1257	-1021 -1128	-870 -978	-692 -800	-479 -586	-218 -326	107 0	526 419	1085 978	1868 1760
90	270.00	211b	-1066 -1173	-940 -1048	-795 -902	-625 -733	-425 -533	-185 -293	107 0	474 366	946 838	1574 1467	2455 2347
100	300.00	211b	-870 -978	-730 -838	-569 -677	-381 -489	-159 -266	107 0	433 326	841 733	1365 1257	2064 1956	3042 2934
110	330.00	211b	-674 -782	-521 -628	-343 -451	-136 -244	107 0	401 293	759 652	1208 1100	1784 1676	2553 2445	3629 3521
120	360.00	211b	-479 -586	-311 -419	-118 -225	107 0	374 266	694 586	1085 978	1574 1467	2203 2096	3042 2934	4216 4108
130	390.00	211b	-283 -391	-101 -209	107 0	352 244	641 533	988 880	1411 1304	1941 1834	2623 2515	3531 3423	4802 4695
140	420.00	211b	-87 -195	107 0	333 225	596 489	908 800	1281 1173	1737 1630	2308 2200	3042 2934	4020 3912	5389 5282
150	450.00	211b	107 0	317 209	559 451	841 733	1174 1067	1574 1467	2064 1956	2675 2567	3461 3353	4509 4401	5976 5869

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 2010 input prices.

Table 3.A Estimated resource use and costs for field operations, per acre
Cabbage, spring, hand harvest
Mississippi, 2011

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	46.00	22.77	22.77
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Feb	0.86	0.53	0.06	0.24	0.08	0.96				2.65
Fert 13-13-13	cwt											8.0000	15.43	123.44	123.44
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	2.25	1.38	0.28	0.50	0.22	2.50				6.91
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Feb	2.03	1.24	0.43	0.95	0.19	2.25				6.90
Disk Bed	2-Row	2WD 75 hp	0.284	1.00	Feb	2.90	1.77	0.24	0.96	0.28	3.22				9.09
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Feb	1.98	1.21	0.10	0.28	0.29	3.08				6.65
Treflan HFP	pt											2.0000	3.11	6.22	6.22
Plntr/H2O Wheel	2-Row	2WD 75 hp	1.473	1.00	Feb	15.07	9.20	4.98	8.42	8.83	83.75				121.42
PLANTING LABOR	hour									30.00	273.00				273.00
Cabbage Plants	thous											13.2000	32.00	422.40	422.40
Cultivate	4-Row	2WD 75 hp	0.155	3.00	Mar	4.76	2.91	0.92	2.50	0.46	5.28				16.37
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Mar	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Bravo Weather Stick	pt											1.5000	5.69	8.54	8.54
Kocide	lb											2.0000	3.54	7.08	7.08
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	Mar	1.98	1.21	0.72	3.34	0.29	3.08				10.33
Amm Nitrate (34%)	cwt											1.0000	18.00	18.00	18.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Endosulfan 3EC	pt											1.3300	3.75	4.99	4.99
Dipel ES	pt											1.0000	4.56	4.56	4.56
Fert-Side Dresser	2R 6'	2WD 75 hp	0.423	1.00	Apr	4.32	2.64	3.06	12.35	0.42	4.80				27.17
Amm Nitrate (34%)	cwt											1.0000	18.00	18.00	18.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Endosulfan 3EC	pt											1.3300	3.75	4.99	4.99
Dipel ES	pt											1.0000	4.56	4.56	4.56
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Asana XL	oz											6.0000	0.68	4.08	4.08
Dipel ES	pt											1.0000	4.56	4.56	4.56
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Confirm 2F	oz											24.0000	1.62	38.88	38.88
Dipel ES	pt											1.0000	4.56	4.56	4.56
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Jun	0.92	0.56	0.05	0.08	0.18	1.84				3.45
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	2.38	1428.00	1428.00
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						49.67	30.30	57.54	113.97	42.50	397.71			4525.63	5174.82
INTEREST ON OPERATING CAPITAL															33.91
UNALLOCATED LABOR															11.02
TOTAL SPECIFIED COST															5219.75

Note: Cost of production estimates are based on 2010 input prices.

Fertilization decisions should be based on soil tests.

Table 3.B Estimated costs per acre
Cabbage, spring, hand harvest
Mississippi, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	46.00	0.4950	22.77	_____
Fert 13-13-13	cwt	15.43	8.0000	123.44	_____
Amm Nitrate (34%)	cwt	18.00	2.0000	36.00	_____
FUNGICIDE					
Bravo Weather Stick	pt	5.69	1.5000	8.54	_____
Kocide	lb	3.54	2.0000	7.08	_____
HERBICIDE					
Treflan HFP	pt	3.11	2.0000	6.22	_____
INSECTICIDE					
Endosulfan 3EC	pt	3.75	2.6600	9.98	_____
Dipel ES	pt	4.56	4.0000	18.24	_____
Asana XL	oz	0.68	6.0000	4.08	_____
Confirm 2F	oz	1.62	24.0000	38.88	_____
SEED/PLANTS					
Cabbage Plants	thous	32.00	13.2000	422.40	_____
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	2.38	600.0000	1428.00	_____
Marketing Fee	box	1.00	600.0000	600.00	_____
CoolingBox S.Cabbage	box	0.25	600.0000	150.00	_____
OPERATOR LABOR					
Tractors	hour	11.35	4.8538	55.10	_____
PLANTING LABOR					
Special Labor	hour	9.10	30.0000	273.00	_____
HAND LABOR					
Implements	hour	9.10	7.6498	69.61	_____
UNALLOCATED LABOR	hour	11.35	0.9707	11.02	_____
DIESEL FUEL					
Tractors	gal	2.39	18.7377	44.80	_____
REPAIR & MAINTENANCE					
Implements	acre	57.54	1.0000	57.54	_____
Tractors	acre	4.87	1.0000	4.87	_____
INTEREST ON OP. CAP.	acre	33.91	1.0000	33.91	_____
TOTAL DIRECT EXPENSES				5075.48	_____
FIXED EXPENSES					
Implements	acre	113.97	1.0000	113.97	_____
Tractors	acre	30.30	1.0000	30.30	_____
TOTAL FIXED EXPENSES				144.27	_____
TOTAL SPECIFIED EXPENSES				5219.75	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	22.77	123.44	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	15.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	6.22	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	9.55	61.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	422.40	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	3828.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	374.32	13.21	9.11	10.05	2.04	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	22.64	8.35	6.17	6.81	0.83	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	8.54	11.89	13.07	28.77	0.14	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.49	17.28	0.96	0.59	0.77	13.82	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	23.26	974.84	68.03	56.49	108.03	3844.83	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-23.26	-974.84	-68.03	-56.49	-108.03	-3844.83	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-23.26	-998.10	-1066.13	-1122.62	-1230.65	-5075.48	-5075.48	-5075.48	-5075.48	-5075.48	-5075.48	-5075.48

Note: Cost of production estimates are based on 2010 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, 2011

			-----BREAKEVEN PRICE-----										
Cabbage			6.59	6.89	7.24	7.64	8.12	8.69	9.40	10.27	11.40	12.90	15.01
PERCENT	YIELD	UNIT	-----dollars-----										
50	300.00	50lb	-2380	-2289	-2185	-2064	-1921	-1749	-1538	-1275	-937	-486	144
			-2524	-2434	-2330	-2208	-2065	-1893	-1682	-1419	-1081	-631	0
60	360.00	50lb	-2127	-2019	-1894	-1749	-1576	-1370	-1117	-802	-396	144	901
			-2271	-2163	-2038	-1893	-1721	-1514	-1262	-946	-540	0	757
70	420.00	50lb	-1875	-1749	-1603	-1433	-1232	-991	-697	-329	144	775	1658
			-2019	-1893	-1747	-1577	-1376	-1135	-841	-473	0	631	1514
80	480.00	50lb	-1622	-1478	-1312	-1117	-888	-613	-276	144	685	1406	2416
			-1767	-1622	-1456	-1262	-1032	-757	-420	0	540	1262	2271
90	540.00	50lb	-1370	-1208	-1020	-802	-544	-234	144	617	1226	2037	3173
			-1514	-1352	-1165	-946	-688	-378	0	473	1081	1893	3029
100	600.00	50lb	-1117	-937	-729	-486	-199	144	565	1090	1767	2668	3930
			-1262	-1081	-873	-631	-344	0	420	946	1622	2524	3786
110	660.00	50lb	-865	-667	-438	-171	144	522	985	1564	2308	3299	4688
			-1009	-811	-582	-315	0	378	841	1419	2163	3155	4543
120	720.00	50lb	-613	-396	-147	144	488	901	1406	2037	2848	3930	5445
			-757	-540	-291	0	344	757	1262	1893	2704	3786	5301
130	780.00	50lb	-360	-126	144	459	832	1280	1827	2510	3389	4561	6202
			-504	-270	0	315	688	1135	1682	2366	3245	4417	6058
140	840.00	50lb	-108	144	435	775	1176	1658	2247	2984	3930	5193	6960
			-252	0	291	631	1032	1514	2103	2839	3786	5048	6815
150	900.00	50lb	144	414	726	1090	1521	2037	2668	3457	4471	5824	7717
			0	270	582	946	1376	1893	2524	3313	4327	5679	7573

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 2010 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, 2011

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	46.00	22.77	22.77
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Mar	2.25	1.38	0.28	0.50	0.22	2.50				6.91
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Mar	0.86	0.53	0.06	0.24	0.08	0.96				2.65
Fert 13-13-13	cwt											6.0000	15.43	92.58	92.58
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Mar	2.03	1.24	0.43	0.95	0.19	2.25				6.90
Disk + Incorporate	10'	2WD 75 hp	0.206	1.00	Apr	2.11	1.29	0.80	1.45	0.30	3.28				8.93
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	16.55	10.10	2.41	7.13	1.61	18.36				54.55
Plastic Mulch	roll											2.2000	162.00	356.40	356.40
Drip Tape	roll											1.5000	147.50	221.25	221.25
Plntr/H2O Cucumber	1R 4'cntr	2WD 75 hp	2.578	1.00	Apr	26.38	16.10	2.30	3.90	10.31	99.64				148.32
Cucumber - Hybrid	lb											3.0000	107.00	321.00	321.00
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Asana XL	oz											6.0000	0.68	4.08	4.08
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									2.00	18.20				18.20
Calcium Nitrate	lb											50.0000	0.35	17.50	17.50
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Apr	0.64	0.39	0.15	0.18	0.09	1.00				2.36
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Bravo Weather Stick	pt											1.5000	5.69	8.54	8.54
Fertigate CAN03/KN03				2.00	May										
FERTIGATION LABOR	hour									2.00	18.20				18.20
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Bravo Weather Stick	pt											1.5000	5.69	8.54	8.54
Asana XL	oz											6.0000	0.68	4.08	4.08
Fertigate CAN03/KN03				2.00	May										
FERTIGATION LABOR	hour									2.00	18.20				18.20
Calcium Nitrate	lb											50.0000	0.35	17.50	17.50
Fertigate CAN03/KN03				1.00	Jun										
FERTIGATION LABOR	hour									1.00	9.10				9.10
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Asana XL	oz											6.0000	0.68	4.08	4.08
Fertigate CAN03/KN03				1.00	Jun										
FERTIGATION LABOR	hour									1.00	9.10				9.10
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Bravo Weather Stick	pt											3.0000	5.69	17.07	17.07
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Jun	0.92	0.56	0.05	0.08	0.18	1.84				3.45

(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, 2011 (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-----			
HARVEST LABOR	hour			1.00	Jun					120.00	1092.00				1092.00
5-Gal Bucket	each											200.0000	3.88	776.00	776.00
Labor(Packing)	each											300.0000	0.75	225.00	225.00
Boxes-Waxed	each											300.0000	1.62	486.00	486.00
Plastic Clean Up				1.00	Jun										
Mulch Lifter	1-Row	2WD 75 hp	0.589			6.03	3.68	0.13	2.44	0.58	6.69				18.97
Labor Clean up	acre											1.0000	100.00	100.00	100.00
Irrigation Setup	acre				Apr							1.0000			374.76
TOTALS						70.37	42.92	53.31	101.22	142.83	1315.27			3231.38	5189.23
INTEREST ON OPERATING CAPITAL															30.69
UNALLOCATED LABOR															15.61
TOTAL SPECIFIED COST															5235.53

Note: Cost of production estimates are based on 2010 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, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	46.00	0.4950	22.77	_____
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	5.69	6.0000	34.14	_____
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	0.68	18.0000	12.24	_____
SEED/PLANTS					
Cucumber - Hybrid	lb	107.00	3.0000	321.00	_____
OTHER					
Plastic Mulch	roll	162.00	2.2000	356.40	_____
5-Gal Bucket	each	3.88	200.0000	776.00	_____
Labor (Packing)	each	0.75	300.0000	225.00	_____
Boxes-Waxed	each	1.62	300.0000	486.00	_____
Labor Clean up	acre	100.00	1.0000	100.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	147.50	1.5000	221.25	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	11.35	6.8745	78.04	_____
HARVEST LABOR					
Special Labor	hour	9.10	120.0000	1092.00	_____
HAND LABOR					
Implements	hour	9.10	7.9588	72.43	_____
FERTIGATION LABOR					
Special Labor	hour	9.10	8.0000	72.80	_____
UNALLOCATED LABOR					
	hour	11.35	1.3749	15.61	_____
DIESEL FUEL					
Tractors	gal	2.39	26.5383	63.46	_____
REPAIR & MAINTENANCE					
Implements	acre	53.31	1.0000	53.31	_____
Tractors	acre	6.91	1.0000	6.91	_____
INTEREST ON OP. CAP.	acre	30.69	1.0000	30.69	_____
TOTAL DIRECT EXPENSES				4716.63	_____
FIXED EXPENSES					
Implements	acre	101.22	1.0000	101.22	_____
Tractors	acre	42.92	1.0000	42.92	_____
Irrigation Setup	acre	374.76	1.0000	374.76	_____
TOTAL FIXED EXPENSES				518.90	_____
TOTAL SPECIFIED EXPENSES				5235.53	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	115.35	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	8.54	8.54	17.07	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	39.60	4.08	4.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	321.00	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	1587.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	671.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	6.85	157.31	39.75	1126.97	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	4.64	45.74	2.27	10.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	1.27	29.32	9.59	20.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.85	18.11	0.72	10.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	129.96	1693.24	99.95	2793.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-129.96	-1693.24	-99.95	-2793.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-129.96	-1823.20	-1923.15	-4716.63	-4716.63	-4716.63	-4716.63	-4716.63	-4716.63	-4716.63	-4716.63	-4716.63

Note: Cost of production estimates are based on 2010 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, 2011

			-----BREAKEVEN PRICE-----										
Cucumbers			12.42	13.14	13.97	14.93	16.08	17.45	19.12	21.22	23.91	27.50	32.52
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	551b	-2495 -3014	-2388 -2906	-2263 -2782	-2118 -2637	-1947 -2466	-1742 -2260	-1490 -2009	-1176 -1695	-773 -1291	-234 -753	518 0
60	180.00	551b	-2194 -2713	-2065 -2583	-1916 -2434	-1742 -2260	-1536 -2055	-1289 -1808	-988 -1507	-611 -1130	-127 -645	518 0	1423 904
70	210.00	551b	-1892 -2411	-1742 -2260	-1568 -2087	-1365 -1884	-1125 -1644	-837 -1356	-485 -1004	-46 -565	518 0	1272 753	2327 1808
80	240.00	551b	-1591 -2110	-1419 -1937	-1220 -1739	-988 -1507	-714 -1233	-385 -904	16 -502	518 0	1164 645	2026 1507	3232 2713
90	270.00	551b	-1289 -1808	-1096 -1614	-872 -1391	-611 -1130	-303 -822	66 -452	518 0	1084 565	1810 1291	2779 2260	4136 3617
100	300.00	551b	-988 -1507	-773 -1291	-524 -1043	-234 -753	107 -411	518 0	1021 502	1649 1130	2456 1937	3533 3014	5040 4521
110	330.00	551b	-686 -1205	-450 -968	-176 -695	142 -376	518 0	971 452	1523 1004	2214 1695	3102 2583	4287 3768	5945 5426
120	360.00	551b	-385 -904	-127 -645	171 -347	518 0	929 411	1423 904	2026 1507	2779 2260	3748 3229	5040 4521	6849 6330
130	390.00	551b	-84 -602	195 -322	518 0	895 376	1341 822	1875 1356	2528 2009	3345 2826	4394 3875	5794 5275	7754 7235
140	420.00	551b	217 -301	518 0	866 347	1272 753	1752 1233	2327 1808	3031 2512	3910 3391	5040 4521	6548 6029	8658 8139
150	450.00	551b	518 0	841 322	1214 695	1649 1130	2163 1644	2779 2260	3533 3014	4475 3956	5686 5167	7301 6782	9562 9043

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 2010 input prices.

Table 5.A Estimated resource use and costs for field operations, per acre
Greens (turnip, mustard, collards), fresh market
Mississippi, 2011

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	46.00	22.77	22.77
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Aug	2.25	1.38	0.28	0.50	0.22	2.50				6.91
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Aug	4.06	2.48	0.87	1.90	0.39	4.50				13.81
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Aug	0.86	0.53	0.06	0.24	0.08	0.96				2.65
Fert 13-13-13	cwt											6.0000	15.43	92.58	92.58
Disk + Incorporate	10'	2WD 75 hp	0.206	1.00	Aug	2.11	1.29	0.80	1.45	0.30	3.28				8.93
Treflan HFP	pt											1.5000	3.11	4.67	4.67
Cultipacker	12'	2WD 75 hp	0.124	1.00	Aug	1.27	0.78	0.15	0.21	0.12	1.41				3.82
Plntr - Vacuum+Ins	2R 30-40	2WD 75 hp	0.396	1.00	Sep	4.06	2.48	8.33	13.85	0.39	4.50				33.22
Greens - Hybrid	lb											3.3000	105.00	346.50	346.50
Admire Pro	oz											8.0000	5.57	44.56	44.56
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Sep	0.86	0.53	0.06	0.24	0.08	0.96				2.65
Amm Nitrate (34%)	cwt											1.0000	18.00	18.00	18.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Kocide	lb											1.5000	3.54	5.31	5.31
Quadris	oz											15.4000	2.52	38.81	38.81
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Malathion 5E	pt											2.0000	4.09	8.18	8.18
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Oct	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Radiant 1SC	oz											5.0000	4.99	24.95	24.95
Bins/Stacking	each			1.00	Oct							20.0000	2.00	40.00	40.00
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Oct	0.92	0.56	0.05	0.08	0.18	1.84				3.45
HARVEST & PACK LABOR	hour			1.00	Oct					175.00	1592.50				1592.50
Boxes-Waxed	each			1.00	Oct							500.0000	1.62	810.00	810.00
Cooling Box - Greens box												500.0000	0.25	125.00	125.00
TOTALS						23.95	14.62	38.62	69.08	177.53	1620.82			1581.33	3348.42
INTEREST ON OPERATING CAPITAL															15.26
UNALLOCATED LABOR															5.31
TOTAL SPECIFIED COST															3368.99

Note: Cost of production estimates are based on 2010 input prices.
Fertilization decisions should be based on soil tests.

Table 5.B Estimated costs per acre
Greens (turnip, mustard, collards), fresh market
Mississippi, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	46.00	0.4950	22.77	_____
Fert 13-13-13	cwt	15.43	6.0000	92.58	_____
Amm Nitrate (34%)	cwt	18.00	1.0000	18.00	_____
FUNGICIDE					
Kocide	lb	3.54	1.5000	5.31	_____
Quadris	oz	2.52	15.4000	38.81	_____
HERBICIDE					
Treflan HFP	pt	3.11	1.5000	4.67	_____
INSECTICIDE					
Admire Pro	oz	5.57	8.0000	44.56	_____
Malathion 5E	pt	4.09	2.0000	8.18	_____
Radiant 1SC	oz	4.99	5.0000	24.95	_____
SEED/PLANTS					
Greens - Hybrid	lb	105.00	3.3000	346.50	_____
OTHER					
Bins/Stacking	each	2.00	20.0000	40.00	_____
Boxes-Waxed	each	1.62	500.0000	810.00	_____
Cooling Box - Greens	box	0.25	500.0000	125.00	_____
OPERATOR LABOR					
Tractors	hour	11.35	2.3392	26.56	_____
HAND LABOR					
Implements	hour	9.10	0.1931	1.76	_____
HARVEST & PACK LABOR					
Special Labor	hour	9.10	175.0000	1592.50	_____
UNALLOCATED LABOR	hour	11.34	0.4678	5.31	_____
DIESEL FUEL					
Tractors	gal	2.39	9.0304	21.60	_____
REPAIR & MAINTENANCE					
Implements	acre	38.62	1.0000	38.62	_____
Tractors	acre	2.35	1.0000	2.35	_____
INTEREST ON OP. CAP.	acre	15.26	1.0000	15.26	_____
TOTAL DIRECT EXPENSES				3285.29	_____
FIXED EXPENSES					
Implements	acre	69.08	1.0000	69.08	_____
Tractors	acre	14.62	1.0000	14.62	_____
TOTAL FIXED EXPENSES				83.70	_____
TOTAL SPECIFIED EXPENSES				3368.99	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	22.77	0.00	0.00	0.00	0.00	0.00	0.00	92.58	18.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.12	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	52.74	24.95	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	346.50	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	975.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.99	13.25	1597.89	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	9.52	8.98	3.10	0.00	0.00
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.19	28.05	9.73	0.00	0.00
INTEREST ON OP. CAP.	0.82	0.00	0.00	0.00	0.00	0.00	0.00	1.34	3.69	9.41	0.00	0.00
TOTAL DIRECT EXPENSES	23.59	0.00	0.00	0.00	0.00	0.00	0.00	126.29	515.33	2620.08	0.00	0.00
NET INCOME	-23.59	0.00	0.00	0.00	0.00	0.00	0.00	-126.29	-515.33	-2620.08	0.00	0.00
NET INCOME TO DATE	-23.59	-23.59	-23.59	-23.59	-23.59	-23.59	-23.59	-149.88	-665.21	-3285.29	-3285.29	-3285.29

Note: Cost of production estimates are based on 2010 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, 2011

Greens (25lb)			-----BREAKEVEN PRICE-----										
			5.03	5.27	5.55	5.88	6.27	6.73	7.30	8.01	8.92	10.14	11.85
PERCENT	YIELD	UNIT	-----dollars-----										
50	250.00	2doz	-1620 -1704	-1559 -1643	-1489 -1572	-1407 -1491	-1310 -1394	-1194 -1278	-1052 -1136	-874 -958	-646 -730	-342 -426	83 0
60	300.00	2doz	-1449 -1533	-1376 -1460	-1292 -1376	-1194 -1278	-1078 -1161	-938 -1022	-768 -852	-555 -639	-281 -365	83 0	594 511
70	350.00	2doz	-1279 -1363	-1194 -1278	-1096 -1179	-981 -1065	-845 -929	-683 -766	-484 -568	-235 -319	83 0	509 426	1106 1022
80	400.00	2doz	-1109 -1192	-1011 -1095	-899 -983	-768 -852	-613 -697	-427 -511	-200 -284	83 0	448 365	935 852	1617 1533
90	450.00	2doz	-938 -1022	-829 -912	-702 -786	-555 -639	-381 -464	-171 -255	83 0	403 319	814 730	1361 1278	2128 2044
100	500.00	2doz	-768 -852	-646 -730	-506 -589	-342 -426	-148 -232	83 0	367 284	722 639	1179 1095	1787 1704	2639 2556
110	550.00	2doz	-597 -681	-464 -547	-309 -393	-129 -213	83 0	339 255	651 568	1042 958	1544 1460	2213 2130	3150 3067
120	600.00	2doz	-427 -511	-281 -365	-112 -196	83 0	316 232	594 511	935 852	1361 1278	1909 1825	2639 2556	3662 3578
130	650.00	2doz	-257 -340	-98 -182	83 0	296 213	548 464	850 766	1219 1136	1681 1597	2274 2190	3065 2982	4173 4089
140	700.00	2doz	-86 -170	83 0	280 196	509 426	780 697	1106 1022	1503 1420	2000 1917	2639 2556	3491 3408	4684 4600
150	750.00	2doz	83 0	266 182	476 393	722 639	1013 929	1361 1278	1787 1704	2320 2236	3004 2921	3917 3834	5195 5112

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 2010 input prices.

Table 6.A Estimated resource use and costs for field operations, per acre
Lima/butter beans, hand harvest
Mississippi, 2011

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	46.00	22.77	22.77
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Jan	2.25	1.38	0.28	0.50	0.22	2.50				6.91
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Mar	2.03	1.24	0.43	0.95	0.19	2.25				6.90
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Mar	1.44	0.88	0.35	0.95	0.21	2.24				5.86
Amm Nitrate (34%)	cwt											1.5000	18.00	27.00	27.00
Phosphorus(46% P205)	cwt											1.5600	22.00	34.32	34.32
Potash (60% K20)	cwt											1.2000	23.00	27.60	27.60
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	1.98	1.21	0.10	0.28	0.29	3.08				6.65
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	4.06	2.48	6.98	11.60	0.39	4.50				29.62
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Sevin XLR Plus	qt											1.0000	10.56	10.56	10.56
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	May	1.98	1.21	0.72	3.34	0.29	3.08				10.33
Amm Nitrate (34%)	cwt											1.0000	18.00	18.00	18.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Kocide	lb											1.5000	3.54	5.31	5.31
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Sevin XLR Plus	qt											2.0000	10.56	21.12	21.12
HARVEST LABOR	hour			1.00	Jun					136.00	1237.60				1237.60
5-Gal Bucket	each											40.0000	3.88	155.20	155.20
Sheller Lima Beans	each			1.00	Jun				6.57			0.0200			6.57
107/10 lb bg L/BBean	acre							0.25		9.00	81.90	1.0000			82.15
R.B.Convey LimaBeans	each			1.00	Jun				2.98			0.0200			2.98
Rot.PakTable L-Beans	each			1.00	Jun				2.82			0.0200			2.82
Application 1	acre							0.15		5.00	45.50	1.0000			45.65
Bag Sealer LimaBeans	each			1.00	Jun				0.80			0.0200			0.80
Application 1	acre							0.55		0.12	1.09	1.0000			1.64
TOTALS						21.30	12.99	37.83	81.40	152.46	1392.11			452.47	1998.10
INTEREST ON OPERATING CAPITAL															9.95
UNALLOCATED LABOR															4.73
TOTAL SPECIFIED COST															2012.78

Note: Cost of production estimates are based on 2010 input prices.

Fertilization decisions should be based on soil tests.

Table 6.B Estimated costs per acre
Lima/butter beans, hand harvest
Mississippi, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	46.00	0.4950	22.77	_____
Amm Nitrate (34%)	cwt	18.00	2.5000	45.00	_____
Phosphorus(46% P205)	cwt	22.00	1.5600	34.32	_____
Potash (60% K20)	cwt	23.00	1.2000	27.60	_____
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	10.56	3.0000	31.68	_____
SEED/PLANTS					
Lima Bean - Hybrid	lb	4.00	30.0000	120.00	_____
OTHER					
5-Gal Bucket	each	3.88	40.0000	155.20	_____
OPERATOR LABOR					
Tractors	hour	11.35	2.0805	23.62	_____
HARVEST LABOR					
Special Labor	hour	9.10	136.0000	1237.60	_____
HAND LABOR					
Implements	hour	9.10	0.2643	2.40	_____
GRD LABOR LIMA BEANS					
Bag Sealer LimaBeans	hour	9.10	0.1200	1.09	_____
Rot.PakTable L-Beans	hour	9.10	5.0000	45.50	_____
Sheller Lima Beans	hour	9.10	9.0000	81.90	_____
UNALLOCATED LABOR	hour	11.36	0.4161	4.73	_____
DIESEL FUEL					
Tractors	gal	2.39	8.0318	19.21	_____
REPAIR & MAINTENANCE					
Implements	acre	36.88	1.0000	36.88	_____
Tractors	acre	2.09	1.0000	2.09	_____
Bag Sealer LimaBeans	acre	0.55	1.0000	0.55	_____
Rot.PakTable L-Beans	acre	0.15	1.0000	0.15	_____
Sheller Lima Beans	acre	0.25	1.0000	0.25	_____
INTEREST ON OP. CAP.	acre	9.95	1.0000	9.95	_____
TOTAL DIRECT EXPENSES				1918.39	_____
FIXED EXPENSES					
Implements	acre	68.23	1.0000	68.23	_____
Tractors	acre	12.99	1.0000	12.99	_____
Bag Sealer LimaBeans	each	39.78	0.0200	0.80	_____
R.B.Convey LimaBeans	each	149.19	0.0200	2.98	_____
Rot.PakTable L-Beans	each	140.82	0.0200	2.82	_____
Sheller Lima Beans	each	328.63	0.0200	6.57	_____
TOTAL FIXED EXPENSES				94.39	_____
TOTAL SPECIFIED EXPENSES				2012.78	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	22.77	0.00	88.92	0.00	18.00	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	31.68	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	155.20	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.00	0.00	5.26	8.92	13.57	1366.09	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	2.03	0.00	3.13	5.45	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.50	0.00	1.12	7.67	29.68	0.95	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.61	0.00	1.42	1.65	0.77	5.50	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	28.91	0.00	99.85	154.28	107.61	1527.74	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-28.91	0.00	-99.85	-154.28	-107.61	-1527.74	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-28.91	-28.91	-128.76	-283.04	-390.65	-1918.39	-1918.39	-1918.39	-1918.39	-1918.39	-1918.39	-1918.39

Note: Cost of production estimates are based on 2010 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, 2011

Lima/Butter Beans			-----BREAKEVEN PRICE-----										
			12.54	13.43	14.47	15.67	17.10	18.81	20.90	23.51	26.87	31.35	37.62
PERCENT	YIELD	UNIT	-----dollars-----										
50	53.50	101b	-1247	-1199	-1144	-1079	-1003	-912	-800	-660	-480	-241	94
			-1341	-1293	-1238	-1174	-1097	-1006	-894	-754	-575	-335	0
60	64.20	101b	-1113	-1055	-989	-912	-820	-710	-576	-408	-193	94	496
			-1207	-1150	-1083	-1006	-914	-805	-670	-503	-287	0	402
70	74.90	101b	-979	-912	-834	-744	-637	-509	-352	-157	94	429	899
			-1073	-1006	-928	-838	-731	-603	-447	-251	0	335	805
80	85.60	101b	-844	-768	-679	-576	-454	-308	-129	94	381	765	1302
			-939	-862	-774	-670	-548	-402	-223	0	287	670	1207
90	96.30	101b	-710	-624	-524	-408	-271	-106	94	345	669	1100	1704
			-805	-718	-619	-503	-365	-201	0	251	575	1006	1610
100	107.00	101b	-576	-480	-370	-241	-88	94	318	597	957	1436	2107
			-670	-575	-464	-335	-182	0	223	503	862	1341	2012
110	117.70	101b	-442	-336	-215	-73	94	295	541	849	1244	1771	2509
			-536	-431	-309	-167	0	201	447	754	1150	1677	2415
120	128.40	101b	-308	-193	-60	94	277	496	765	1100	1532	2107	2912
			-402	-287	-154	0	182	402	670	1006	1437	2012	2817
130	139.10	101b	-173	-49	94	262	460	698	988	1352	1819	2442	3314
			-268	-143	0	167	365	603	894	1257	1725	2348	3220
140	149.80	101b	-39	94	249	429	643	899	1212	1603	2107	2778	3717
			-134	0	154	335	548	805	1118	1509	2012	2683	3623
150	160.50	101b	94	238	404	597	826	1100	1436	1855	2394	3113	4119
			0	143	309	503	731	1006	1341	1761	2300	3019	4025

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 2010 input prices.

Table 7.A Estimated resource use and costs for field operations, per acre
Lima/butter beans, mechanical harvest
Mississippi, 2011

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	46.00	22.77	22.77
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Jan	2.25	1.38	0.28	0.50	0.22	2.50				6.91
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Mar	2.03	1.24	0.43	0.95	0.19	2.25				6.90
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Mar	1.44	0.88	0.35	0.95	0.21	2.24				5.86
Amm Nitrate (34%)	cwt											1.5000	18.00	27.00	27.00
Phosphorus(46% P205)	cwt											1.5600	22.00	34.32	34.32
Potash (60% K20)	cwt											1.2000	23.00	27.60	27.60
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	1.98	1.21	0.10	0.28	0.29	3.08				6.65
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	4.06	2.48	6.98	11.60	0.39	4.50				29.62
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Sevin XLR Plus	qt											1.0000	10.56	10.56	10.56
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	May	1.98	1.21	0.72	3.34	0.29	3.08				10.33
Amm Nitrate (34%)	cwt											1.0000	18.00	18.00	18.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Kocide	lb											1.5000	3.54	5.31	5.31
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Sevin XLR Plus	qt											2.0000	10.56	21.12	21.12
Picker Beans/Peas	1-Row	2WD 75 hp	3.571	1.00	Jun	36.53	22.30	48.32	37.97	10.71	105.54				250.66
Trailer-Lima/B. Bean	16'	2WD 75 hp	3.571	1.00	Jun	36.53	22.30	2.15	3.75	7.14	73.04				137.77
LABOR BEAN TRAILER	hour														32.58
Sheller Lima Beans	each			1.00	Jun				6.57			0.0200			6.57
65/10 lb bg L/BBean	acre							0.25		9.00	81.90	1.0000			82.15
R.B.Convey LimaBeans	each			1.00	Jun				2.98			0.0200			2.98
Rot.PakTable L-Beans	each			1.00	Jun				2.82			0.0200			2.82
Application 1	acre							0.15		5.00	45.50	1.0000			45.65
Bag Sealer LimaBeans	each			1.00	Jun				0.80			0.0200			0.80
Application 1	acre							0.55		0.12	1.09	1.0000			1.64
TOTALS						94.36	57.59	88.30	123.12	37.90	365.67			297.27	1026.31
INTEREST ON OPERATING CAPITAL															6.19
UNALLOCATED LABOR															20.95
TOTAL SPECIFIED COST															1053.45

Note: Cost of production estimates are based on 2010 input prices.
Fertilization decisions should be based on soil tests.

Table 7.B Estimated costs per acre
Lima/butter beans, mechanical harvest
Mississippi, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	46.00	0.4950	22.77	_____
Amm Nitrate (34%)	cwt	18.00	2.5000	45.00	_____
Phosphorus(46% P205)	cwt	22.00	1.5600	34.32	_____
Potash (60% K20)	cwt	23.00	1.2000	27.60	_____
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	10.56	3.0000	31.68	_____
SEED/PLANTS					
Lima Bean - Hybrid	lb	4.00	30.0000	120.00	_____
OPERATOR LABOR					
Tractors	hour	11.35	9.2234	104.70	_____
HAND LABOR					
Implements	hour	9.10	10.9786	99.90	_____
LABOR BEAN TRAILER					
Special Labor	hour	9.10	3.5800	32.58	_____
GRD LABOR LIMA BEANS					
Bag Sealer LimaBeans	hour	9.10	0.1200	1.09	_____
Rot.PakTable L-Beans	hour	9.10	5.0000	45.50	_____
Sheller Lima Beans	hour	9.10	9.0000	81.90	_____
UNALLOCATED LABOR	hour	11.35	1.8446	20.95	_____
DIESEL FUEL					
Tractors	gal	2.39	35.6061	85.11	_____
REPAIR & MAINTENANCE					
Implements	acre	87.35	1.0000	87.35	_____
Tractors	acre	9.25	1.0000	9.25	_____
Bag Sealer LimaBeans	acre	0.55	1.0000	0.55	_____
Rot.PakTable L-Beans	acre	0.15	1.0000	0.15	_____
Sheller Lima Beans	acre	0.25	1.0000	0.25	_____
INTEREST ON OP. CAP.	acre	6.19	1.0000	6.19	_____
TOTAL DIRECT EXPENSES				872.74	_____
FIXED EXPENSES					
Implements	acre	109.95	1.0000	109.95	_____
Tractors	acre	57.59	1.0000	57.59	_____
Bag Sealer LimaBeans	each	39.78	0.0200	0.80	_____
R.B.Convey LimaBeans	each	149.19	0.0200	2.98	_____
Rot.PakTable L-Beans	each	140.82	0.0200	2.82	_____
Sheller Lima Beans	each	328.63	0.0200	6.57	_____
TOTAL FIXED EXPENSES				180.71	_____
TOTAL SPECIFIED EXPENSES				1053.45	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	22.77	0.00	88.92	0.00	18.00	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	31.68	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	3.00	0.00	5.26	8.92	13.57	355.87	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	2.03	0.00	3.13	5.45	8.60	65.90	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.50	0.00	1.12	7.67	29.68	58.58	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.61	0.00	1.42	1.65	0.77	1.74	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	28.91	0.00	99.85	154.28	107.61	482.09	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-28.91	0.00	-99.85	-154.28	-107.61	-482.09	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-28.91	-28.91	-128.76	-283.04	-390.65	-872.74	-872.74	-872.74	-872.74	-872.74	-872.74	-872.74

Note: Cost of production estimates are based on 2010 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, 2011

Lima/Butter Beans			-----BREAKEVEN PRICE-----										
			10.80	11.57	12.46	13.50	14.73	16.20	18.00	20.25	23.15	27.01	32.41
PERCENT	YIELD	UNIT	-----dollars-----										
50	32.50	101b	-521 -702	-496 -677	-467 -648	-433 -614	-393 -574	-346 -526	-287 -468	-214 -395	-120 -300	5 -175	180 0
60	39.00	101b	-451 -632	-421 -601	-386 -567	-346 -526	-298 -478	-240 -421	-170 -351	-82 -263	30 -150	180 0	391 210
70	45.50	101b	-381 -561	-346 -526	-305 -486	-258 -438	-202 -383	-135 -316	-53 -234	49 -131	180 0	356 175	602 421
80	52.00	101b	-310 -491	-270 -451	-224 -405	-170 -351	-106 -287	-29 -210	63 -117	180 0	331 150	531 351	812 632
90	58.50	101b	-240 -421	-195 -376	-143 -324	-82 -263	-10 -191	75 -105	180 0	312 131	481 300	707 526	1023 842
100	65.00	101b	-170 -351	-120 -300	-62 -243	5 -175	84 -95	180 0	297 117	444 263	632 451	883 702	1234 1053
110	71.50	101b	-100 -280	-45 -225	18 -162	92 -87	180 0	286 105	414 234	575 395	782 601	1058 877	1444 1264
120	78.00	101b	-29 -210	30 -150	99 -81	180 0	276 95	391 210	531 351	707 526	933 752	1234 1053	1655 1474
130	84.50	101b	40 -140	105 -75	180 0	268 87	372 191	496 316	648 468	839 658	1083 902	1409 1229	1866 1685
140	91.00	101b	110 -70	180 0	261 81	356 175	468 287	602 421	765 585	970 790	1234 1053	1585 1404	2076 1896
150	97.50	101b	180 0	255 75	342 162	444 263	563 383	707 526	883 702	1102 921	1384 1203	1760 1580	2287 2106

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 2010 input prices.

Table 8.A Estimated resource use and costs for field operations, per acre
Okra, fresh market
Mississippi, 2011

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	46.00	22.77	22.77
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Mar	2.25	1.38	0.28	0.50	0.22	2.50				6.91
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Mar	4.06	2.48	0.87	1.90	0.39	4.50				13.81
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Apr	1.44	0.88	0.35	0.95	0.21	2.24				5.86
Amm Nitrate (34%)	cwt											0.7000	18.00	12.60	12.60
Phosphorus(46% P205)	cwt											1.5600	22.00	34.32	34.32
Potash (60% K20)	cwt											1.2000	23.00	27.60	27.60
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	1.98	1.21	0.10	0.28	0.29	3.08				6.65
Treflan HFP	pt											1.5000	3.11	4.67	4.67
Plntr - Vacuum	2-Row	2WD 75 hp	0.396	1.00	Apr	4.06	2.48	6.98	11.60	0.39	4.50				29.62
Okra - Hybrid	lb											8.8000	187.00	1645.60	1645.60
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	Apr	1.98	1.21	0.72	3.34	0.29	3.08				10.33
Amm Nitrate (34%)	cwt											1.0000	18.00	18.00	18.00
Cultivate	4-Row	2WD 75 hp	0.155	2.00	May	3.17	1.94	0.61	1.67	0.31	3.52				10.91
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	5.02	3.07	18.68	33.74	0.49	5.57				66.08
Provado 1.6	oz											7.6000	1.94	14.74	14.74
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	May	1.98	1.21	0.72	3.34	0.29	3.08				10.33
Amm Nitrate (34%)	cwt											1.0000	18.00	18.00	18.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	3.00	Jun	7.54	4.60	28.02	50.62	0.73	8.36				99.14
Mustang Max	oz											12.0000	1.30	15.60	15.60
Trailer - Vegetables	16'	2WD 75 hp	0.090	12.00	Jun	11.04	6.74	0.58	1.01	2.16	22.09				41.46
HARVEST LABOR	hour			1.00	Jun					300.00	2730.00				2730.00
5-Gal Bucket	each											200.0000	3.88	776.00	776.00
GRADE & PACK LABOR	hour			1.00	Jun					30.00	273.00				273.00
Boxes-Waxed	each											400.0000	1.62	648.00	648.00
TOTALS						44.52	27.20	57.91	108.95	335.79	3065.52			3237.90	6542.00
INTEREST ON OPERATING CAPITAL															36.67
UNALLOCATED LABOR															9.87
TOTAL SPECIFIED COST															6588.54

Note: Cost of production estimates are based on 2010 input prices.

Fertilization decisions should be based on soil tests.

Table 8.B Estimated costs per acre
Okra, fresh market
Mississippi, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	46.00	0.4950	22.77	_____
Amm Nitrate (34%)	cwt	18.00	2.7000	48.60	_____
Phosphorus(46% P205)	cwt	22.00	1.5600	34.32	_____
Potash (60% K20)	cwt	23.00	1.2000	27.60	_____
HERBICIDE					
Treflan HFP	pt	3.11	1.5000	4.67	_____
INSECTICIDE					
Provado 1.6	oz	1.94	7.6000	14.74	_____
Mustang Max	oz	1.30	12.0000	15.60	_____
SEED/PLANTS					
Okra - Hybrid	lb	187.00	8.8000	1645.60	_____
OTHER					
5-Gal Bucket	each	3.88	200.0000	776.00	_____
Boxes-Waxed	each	1.62	400.0000	648.00	_____
OPERATOR LABOR					
Tractors	hour	11.35	4.3539	49.41	_____
HARVEST LABOR					
Special Labor	hour	9.10	300.0000	2730.00	_____
GRADE & PACK LABOR					
Special Labor	hour	9.10	30.0000	273.00	_____
HAND LABOR					
Implements	hour	9.10	1.4412	13.11	_____
UNALLOCATED LABOR	hour	11.33	0.8707	9.87	_____
DIESEL FUEL					
Tractors	gal	2.39	16.8080	40.17	_____
REPAIR & MAINTENANCE					
Implements	acre	57.91	1.0000	57.91	_____
Tractors	acre	4.35	1.0000	4.35	_____
INTEREST ON OP. CAP.	acre	36.67	1.0000	36.67	_____
TOTAL DIRECT EXPENSES				6452.39	_____
FIXED EXPENSES					
Implements	acre	108.95	1.0000	108.95	_____
Tractors	acre	27.20	1.0000	27.20	_____
TOTAL FIXED EXPENSES				136.15	_____
TOTAL SPECIFIED EXPENSES				6588.54	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	22.77	92.52	18.00	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	14.74	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	1645.60	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	1424.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	8.40	15.00	14.42	3037.57	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	5.69	8.54	9.18	16.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	1.77	9.07	21.00	30.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.56	19.22	0.56	16.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	39.19	1794.62	77.90	4540.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-39.19	-1794.62	-77.90	-4540.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-39.19	-1833.81	-1911.71	-6452.39	-6452.39	-6452.39	-6452.39	-6452.39	-6452.39	-6452.39	-6452.39	-6452.39

Note: Cost of production estimates are based on 2010 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, 2011

			-----BREAKEVEN PRICE-----										
Okra (US Fancy)			11.52	12.22	13.04	13.99	15.12	16.47	18.12	20.18	22.83	26.36	31.31
PERCENT	YIELD	UNIT	-----dollars-----										
50	200.00	30lb	-3822 -3958	-3681 -3817	-3518 -3654	-3327 -3463	-3102 -3239	-2832 -2969	-2503 -2639	-2090 -2226	-1560 -1696	-853 -989	136 0
60	240.00	30lb	-3426 -3562	-3257 -3393	-3061 -3197	-2832 -2969	-2563 -2699	-2239 -2375	-1843 -1979	-1348 -1484	-712 -848	136 0	1323 1187
70	280.00	30lb	-3030 -3167	-2832 -2969	-2604 -2740	-2338 -2474	-2023 -2159	-1645 -1781	-1183 -1319	-606 -742	136 0	1125 989	2511 2375
80	320.00	30lb	-2635 -2771	-2408 -2544	-2147 -2283	-1843 -1979	-1483 -1619	-1051 -1187	-523 -659	136 0	984 848	2115 1979	3699 3562
90	360.00	30lb	-2239 -2375	-1984 -2120	-1690 -1827	-1348 -1484	-943 -1079	-457 -593	136 0	878 742	1832 1696	3105 2969	4886 4750
100	400.00	30lb	-1843 -1979	-1560 -1696	-1234 -1370	-853 -989	-403 -539	136 0	795 659	1620 1484	2681 2544	4094 3958	6074 5938
110	440.00	30lb	-1447 -1583	-1136 -1272	-777 -913	-358 -494	136 0	729 593	1455 1319	2362 2226	3529 3393	5084 4948	7261 7125
120	480.00	30lb	-1051 -1187	-712 -848	-320 -456	136 0	675 539	1323 1187	2115 1979	3105 2969	4377 4241	6074 5938	8449 8313
130	520.00	30lb	-655 -791	-288 -424	136 0	631 494	1215 1079	1917 1781	2775 2639	3847 3711	5226 5089	7064 6927	9637 9501
140	560.00	30lb	-259 -395	136 0	592 456	1125 989	1755 1619	2511 2375	3435 3299	4589 4453	6074 5938	8053 7917	10824 10688
150	600.00	30lb	136 0	560 424	1049 913	1620 1484	2295 2159	3105 2969	4094 3958	5332 5195	6922 6786	9043 8907	12012 11876

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 2010 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, 2011

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	46.00	7.51	7.51
Chisel Plow	7'	2WD 75 hp	0.220	1.00	May	2.25	1.38	0.28	0.50	0.22	2.50					6.91
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Jun	4.06	2.48	0.87	1.90	0.39	4.50					13.81
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Jun	1.44	0.88	0.35	0.95	0.21	2.24					5.86
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	0.83	0.51	0.24	0.72	0.08	0.92					3.22
Plastic Mulch	roll											1.4000	162.00	226.80	226.80	
Drip Tape	roll											0.9000	147.50	132.75	132.75	
Plntr/H20/pnch/seed	1-Row	2WD 75 hp	2.578	1.00	Jul	26.38	16.10	4.31	7.30	5.15	52.72					106.81
Pumpkin Seed Hybrid	lb											1.5000	81.00	121.50	121.50	
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	9.10					9.10
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	2.52	1.53	9.34	16.87	0.24	2.79					33.05
Thionex 3EC	pt											2.0000	3.47	6.94	6.94	
Disk Harrow-Hvy Duty	5'	2WD 75 hp	0.412	0.50	Jul	2.11	1.29	0.10	0.21	0.20	2.34					6.05
Fertigate CAN03/KN03				1.00	Jul											
FERTIGATION LABOR	hour									1.00	9.10					9.10
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	2.52	1.53	9.34	16.87	0.24	2.79					33.05
Thionex 3EC	pt											2.0000	3.47	6.94	6.94	
Fertigate CAN03/KN03				1.00	Jul											
FERTIGATION LABOR	hour									1.00	9.10					9.10
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	2.52	1.53	9.34	16.87	0.24	2.79					33.05
Quadris	oz											11.0000	2.52	27.72	27.72	
Bravo Weather Stick	pt											2.0000	5.69	11.38	11.38	
Fertigate CAN03/KN03				3.00	Aug											
FERTIGATION LABOR	hour									3.00	27.30					27.30
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	2.52	1.53	9.34	16.87	0.24	2.79					33.05
Bravo Weather Stick	pt											2.0000	5.69	11.38	11.38	
Fertigate CAN03/KN03				1.00	Sep											
FERTIGATION LABOR	hour									1.00	9.10					9.10
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	2.52	1.53	9.34	16.87	0.24	2.79					33.05
Brigade 2EC	oz											6.0000	0.94	5.64	5.64	
Fertigate CAN03/KN03				3.00	Sep											
FERTIGATION LABOR	hour									3.00	27.30					27.30
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, 2011 (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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Brigade 2EC	oz											6.0000	0.94	5.64	5.64
Quadris	oz											11.0000	2.52	27.72	27.72
Fertigate CAN03/KN03				1.00	Oct										
FERTIGATION LABOR	hour									1.00	9.10				9.10
Calcium Nitrate	lb											25.0000	0.35	8.75	8.75
Trailer - Vegetables	16'	2WD 75 hp	0.090	3.00	Oct	2.76	1.69	0.15	0.25	0.54	5.52				10.37
HARVEST LABOR	hour									90.00	819.00				819.00
Pallet Crates-1350lb each												123.0000	21.78	2678.94	2678.94
Mulch Lifter	1-Row	2WD 75 hp	0.589	1.00	Nov	6.03	3.68	0.13	2.44	0.58	6.69				18.97
LABOR MULCH CLEANUP	hour									15.00	136.50				136.50
Irrigation Setup	acre				Jul							1.0000			363.68
TOTALS						60.98	37.19	62.47	115.49	124.87	1149.77			3956.04	5745.62
INTEREST ON OPERATING CAPITAL															54.67
UNALLOCATED LABOR															13.53
TOTAL SPECIFIED COST															5813.82

Note: Cost of production estimates are based on 2010 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, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	46.00	0.1633	7.51	_____
Fert 13-13-13	cwt	15.43	9.0000	138.87	_____
Calcium Nitrate	lb	0.35	275.0000	96.25	_____
FUNGICIDE					
Quadris	oz	2.52	22.0000	55.44	_____
Bravo Weather Stick	pt	5.69	4.0000	22.76	_____
INSECTICIDE					
Thionex 3EC	pt	3.47	4.0000	13.88	_____
Brigade 2EC	oz	0.94	12.0000	11.28	_____
SEED/PLANTS					
Pumpkin Seed Hybrid	lb	81.00	1.5000	121.50	_____
OTHER					
Plastic Mulch	roll	162.00	1.4000	226.80	_____
Pallet Crates-1350lb	each	21.78	123.0000	2678.94	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	147.50	0.9000	132.75	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	11.35	5.9557	67.61	_____
HARVEST LABOR					
Special Labor	hour	9.10	90.0000	819.00	_____
HAND LABOR					
Implements	hour	9.10	2.9186	26.56	_____
FERTIGATION LABOR					
Special Labor	hour	9.10	11.0000	100.10	_____
LABOR MULCH CLEANUP					
Special Labor	hour	9.10	15.0000	136.50	_____
UNALLOCATED LABOR					
	hour	11.35	1.1911	13.53	_____
DIESEL FUEL					
Tractors	gal	2.39	22.9914	54.98	_____
REPAIR & MAINTENANCE					
Implements	acre	62.47	1.0000	62.47	_____
Tractors	acre	6.00	1.0000	6.00	_____
INTEREST ON OP. CAP.	acre	54.67	1.0000	54.67	_____
TOTAL DIRECT EXPENSES				5297.46	_____
FIXED EXPENSES					
Implements	acre	115.49	1.0000	115.49	_____
Tractors	acre	37.19	1.0000	37.19	_____
Irrigation Setup	acre	363.68	1.0000	363.68	_____
TOTAL FIXED EXPENSES				516.36	_____
TOTAL SPECIFIED EXPENSES				5813.82	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	7.51	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	50.48	27.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	13.88	0.00	11.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	121.50	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	2678.94	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	132.75	450.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.00	9.06	95.38	34.00	43.10	834.23	144.53	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	2.03	5.71	30.23	4.54	4.54	2.49	5.44	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.50	2.08	26.39	19.18	19.18	0.42	0.72	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.33	11.15	13.77	1.93	1.51	25.44	0.54	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	13.37	526.42	777.46	136.38	142.33	3550.27	151.23	0.00	0.00	0.00	0.00	0.00
NET INCOME	-13.37	-526.42	-777.46	-136.38	-142.33	-3550.27	-151.23	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-13.37	-539.79	-1317.25	-1453.63	-1595.96	-5146.23	-5297.46	-5297.46	-5297.46	-5297.46	-5297.46	-5297.46

Note: Cost of production estimates are based on 2010 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, 2011

Pumpkin			-----BREAKEVEN PRICE-----										
			0.09	0.10	0.10	0.11	0.12	0.14	0.15	0.17	0.20	0.23	0.28
PERCENT	YIELD	UNIT	-----dollars-----										
50	20500.00	lb	-3359	-3221	-3061	-2875	-2654	-2390	-2067	-1663	-1144	-452	516
			-3875	-3737	-3577	-3391	-3171	-2906	-2583	-2180	-1661	-968	0
60	24600.00	lb	-2971	-2805	-2614	-2390	-2126	-1809	-1421	-937	-314	516	1679
			-3488	-3322	-3130	-2906	-2642	-2325	-1937	-1453	-830	0	1162
70	28700.00	lb	-2584	-2390	-2166	-1906	-1597	-1227	-775	-210	516	1485	2841
			-3100	-2906	-2683	-2422	-2114	-1744	-1291	-726	0	968	2325
80	32800.00	lb	-2196	-1975	-1719	-1421	-1069	-646	-129	516	1346	2454	4004
			-2713	-2491	-2236	-1937	-1585	-1162	-645	0	830	1937	3488
90	36900.00	lb	-1809	-1560	-1272	-937	-540	-65	516	1243	2177	3423	5167
			-2325	-2076	-1788	-1453	-1057	-581	0	726	1661	2906	4651
100	41000.00	lb	-1421	-1144	-825	-452	-12	516	1162	1969	3007	4392	6330
			-1937	-1661	-1341	-968	-528	0	645	1453	2491	3875	5813
110	45100.00	lb	-1033	-729	-378	31	516	1097	1808	2696	3838	5361	7492
			-1550	-1245	-894	-484	0	581	1291	2180	3322	4844	6976
120	49200.00	lb	-646	-314	69	516	1044	1679	2454	3423	4669	6330	8655
			-1162	-830	-447	0	528	1162	1937	2906	4152	5813	8139
130	53300.00	lb	-258	101	516	1000	1573	2260	3100	4149	5499	7299	9818
			-775	-415	0	484	1057	1744	2583	3633	4983	6782	9302
140	57400.00	lb	128	516	963	1485	2101	2841	3746	4876	6330	8268	10981
			-387	0	447	968	1585	2325	3229	4360	5813	7751	10464
150	61500.00	lb	516	931	1410	1969	2630	3423	4392	5603	7160	9237	12144
			0	415	894	1453	2114	2906	3875	5087	6644	8720	11627

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 2010 input prices.

Table 10.A Estimated resource use and costs for field operations, per acre
 Snap beans, fresh market, hand harvest
 Mississippi, 2011

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	46.00	22.77	22.77
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	2.25	1.38	0.28	0.50	0.22	2.50				6.91
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Feb	4.06	2.48	0.87	1.90	0.39	4.50				13.81
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Feb	1.44	0.88	0.35	0.95	0.21	2.24				5.86
Fert 13-13-13	cwt											6.0000	15.43	92.58	92.58
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Feb	1.98	1.21	0.10	0.28	0.29	3.08				6.65
Treflan HFP	pt											2.0000	3.11	6.22	6.22
Terrachlor 75 WP	lb											2.0000	6.77	13.54	13.54
Plntr - Vacuum	2-Row	2WD 75 hp	0.396	1.00	Mar	4.06	2.48	6.98	11.60	0.39	4.50				29.62
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	5.02	3.07	18.68	33.74	0.49	5.57				66.08
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	5.02	3.07	18.68	33.74	0.49	5.57				66.08
Kocide	lb											3.0000	3.54	10.62	10.62
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	Apr	1.98	1.21	0.72	3.34	0.29	3.08				10.33
Amm Nitrate (34%)	cwt											0.7500	18.00	13.50	13.50
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.02	3.07	18.68	33.74	0.49	5.57				66.08
Sevin XLR Plus	qt											2.0000	10.56	21.12	21.12
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	May	0.92	0.56	0.05	0.08	0.18	1.84				3.45
HARVEST LABOR	hour			1.00	May					150.00	1365.00				1365.00
Bushel Box	each			1.00	May							200.0000	1.44	288.00	288.00
Load Conveyor S Bean				1.00	May										
GRD LABOR S. BEANS	hour									20.00	182.00				182.00
Cooling Snap Beans	bu box			1.00	May							200.0000	0.75	150.00	150.00
R.B.ConveySnapBeans	each			1.00	May				2.98			0.0200			2.98
Application 1	bu							80.93		40.00	364.00	200.0000			444.93
Rot.Pk Table S Beans	each			1.00	May				2.82			0.0200			2.82
Application 1	bu							7.58		2.00	18.20	200.0000			25.78
TOTALS						31.75	19.41	153.90	125.67	215.45	1967.65			1053.15	3351.53
INTEREST ON OPERATING CAPITAL															17.24
UNALLOCATED LABOR															7.03
TOTAL SPECIFIED COST															3375.80

Note: Cost of production estimates are based on 2010 input prices.

Fertilization decisions should be based on soil tests.

Table 10.B Estimated costs per acre
 Snap beans, fresh market, hand harvest
 Mississippi, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	46.00	0.4950	22.77	_____
Fert 13-13-13	cwt	15.43	6.0000	92.58	_____
Amm Nitrate (34%)	cwt	18.00	0.7500	13.50	_____
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	6.22	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	2.5000	14.80	_____
Sevin XLR Plus	qt	10.56	2.0000	21.12	_____
SEED/PLANTS					
Snap Beans - Hybrid	lb	6.00	70.0000	420.00	_____
OTHER					
Bushel Box	each	1.44	200.0000	288.00	_____
Cooling Snap Beans	bu box	0.75	200.0000	150.00	_____
OPERATOR LABOR					
Tractors	hour	11.35	3.1054	35.23	_____
HARVEST LABOR					
Special Labor	hour	9.10	150.0000	1365.00	_____
HAND LABOR					
Implements	hour	9.10	0.3543	3.22	_____
GRD LABOR S. BEANS					
Special Labor	hour	9.10	20.0000	182.00	_____
R.B.ConveySnapBeans	hour	9.10	40.0000	364.00	_____
Rot.Pk Table S Beans	hour	9.10	2.0000	18.20	_____
UNALLOCATED LABOR	hour	11.31	0.6210	7.03	_____
DIESEL FUEL					
Tractors	gal	2.39	11.9884	28.65	_____
REPAIR & MAINTENANCE					
Implements	acre	65.39	1.0000	65.39	_____
Tractors	acre	3.10	1.0000	3.10	_____
R.B.ConveySnapBeans	bu	0.40	200.0000	80.93	_____
Rot.Pk Table S Beans	bu	0.03	200.0000	7.58	_____
INTEREST ON OP. CAP.	acre	17.24	1.0000	17.24	_____
TOTAL DIRECT EXPENSES				3230.72	_____
FIXED EXPENSES					
Implements	acre	119.87	1.0000	119.87	_____
Tractors	acre	19.41	1.0000	19.41	_____
R.B.ConveySnapBeans	each	149.19	0.0200	2.98	_____
Rot.Pk Table S Beans	each	140.82	0.0200	2.82	_____
TOTAL FIXED EXPENSES				145.08	_____
TOTAL SPECIFIED EXPENSES				3375.80	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	115.35	0.00	13.50	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	6.22	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	21.12	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	438.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	14.48	12.08	16.88	1931.24	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	8.78	8.19	10.85	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	2.55	26.55	39.25	88.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	2.33	5.22	0.81	8.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	163.25	486.84	113.03	2467.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-163.25	-486.84	-113.03	-2467.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-163.25	-650.09	-763.12	-3230.72	-3230.72	-3230.72	-3230.72	-3230.72	-3230.72	-3230.72	-3230.72	-3230.72

Note: Cost of production estimates are based on 2010 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, 2011

Snap Beans			-----BREAKEVEN PRICE-----										
			11.73	12.46	13.31	14.30	15.47	16.87	18.59	20.73	23.49	27.16	32.31
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	30lb	-1912	-1839	-1754	-1655	-1538	-1398	-1226	-1012	-736	-369	145
			-2057	-1984	-1899	-1800	-1683	-1543	-1371	-1157	-881	-514	0
60	120.00	30lb	-1706	-1618	-1517	-1398	-1257	-1089	-883	-626	-295	145	762
			-1852	-1763	-1662	-1543	-1403	-1234	-1028	-771	-440	0	617
70	140.00	30lb	-1501	-1398	-1279	-1141	-977	-780	-540	-240	145	659	1379
			-1646	-1543	-1424	-1286	-1122	-926	-685	-385	0	514	1234
80	160.00	30lb	-1295	-1177	-1042	-883	-696	-472	-197	145	586	1174	1997
			-1440	-1322	-1187	-1028	-841	-617	-342	0	440	1028	1852
90	180.00	30lb	-1089	-957	-804	-626	-416	-163	145	530	1027	1688	2614
			-1234	-1102	-949	-771	-561	-308	0	385	881	1543	2469
100	200.00	30lb	-883	-736	-567	-369	-135	145	488	916	1467	2202	3231
			-1028	-881	-712	-514	-280	0	342	771	1322	2057	3086
110	220.00	30lb	-678	-516	-329	-112	145	453	831	1302	1908	2717	3849
			-823	-661	-474	-257	0	308	685	1157	1763	2572	3704
120	240.00	30lb	-472	-295	-92	145	425	762	1174	1688	2349	3231	4466
			-617	-440	-237	0	280	617	1028	1543	2204	3086	4321
130	260.00	30lb	-266	-75	145	402	706	1071	1516	2074	2790	3746	5083
			-411	-220	0	257	561	926	1371	1929	2645	3601	4938
140	280.00	30lb	-60	145	382	659	986	1379	1859	2460	3231	4260	5701
			-205	0	237	514	841	1234	1714	2315	3086	4115	5556
150	300.00	30lb	145	365	619	916	1267	1688	2202	2845	3672	4775	6318
			0	220	474	771	1122	1543	2057	2700	3527	4630	6173

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 2010 input prices.

Table 11.A Estimated resource use and costs for field operations, per acre
 Snap beans, fresh market, mechanical harvest
 Mississippi, 2011

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-----			
Custom Apply Fert	acre			0.33	Feb							0.4950	9.00	4.46	4.46
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	2.25	1.38	0.28	0.50	0.22	2.50				6.91
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Feb	4.06	2.48	0.87	1.90	0.39	4.50				13.81
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Feb	1.44	0.88	0.35	0.95	0.21	2.24				5.86
Fert 13-13-13	cwt											6.0000	15.43	92.58	92.58
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Feb	1.98	1.21	0.10	0.28	0.29	3.08				6.65
Treflan HFP	pt											2.0000	3.11	6.22	6.22
Terrachlor 75 WP	lb											2.0000	6.77	13.54	13.54
Plntr - Vacuum	2-Row	2WD 75 hp	0.396	1.00	Mar	4.06	2.48	6.98	11.60	0.39	4.50				29.62
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	5.02	3.07	18.68	33.74	0.49	5.57				66.08
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	5.02	3.07	18.68	33.74	0.49	5.57				66.08
Kocide	lb											3.0000	3.54	10.62	10.62
Cultivate+Sidedress	2-Row	2WD 75 hp	0.390	1.00	Apr	3.99	2.44	0.45	2.12	0.58	6.21				15.21
Amm Nitrate (34%)	cwt											0.7500	18.00	13.50	13.50
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.02	3.07	18.68	33.74	0.49	5.57				66.08
Sevin XLR Plus	qt											2.0000	10.56	21.12	21.12
Picker Beans/Peas	1-Row	2WD 75 hp	3.571	1.00	May	36.53	22.30	48.32	37.97	10.71	105.54				250.66
Bushel Box	each											150.0000	1.44	216.00	216.00
Trailer - Snap Bean	16'	2WD 75 hp	3.571	1.00	May	36.53	22.30	2.15	3.75	7.14	73.04				137.77
Load Conveyor S Bean				1.00	May										
GRD LABOR S. BEANS	hour									20.00	182.00				182.00
Cooling Snap Beans	bu box			1.00	May							150.0000	0.75	112.50	112.50
R.B.ConveySnapBeans	each			1.00	May				2.98			0.0200			2.98
Application 1	bu							60.69		30.00	273.00	150.0000			333.69
Rot.Pk Table S Beans	each			1.00	May				2.82			0.0200			2.82
Application 1	bu							5.69		1.50	13.65	150.0000			19.34
TOTALS						105.90	64.68	181.92	166.09	72.93	686.97			925.34	2130.90
INTEREST ON OPERATING CAPITAL															12.40
UNALLOCATED LABOR															23.50
TOTAL SPECIFIED COST															2166.80

Note: Cost of production estimates are based on 2010 input prices.

Fertilization decisions should be based on soil tests.

Table 11.B Estimated costs per acre
 Snap beans, fresh market, mechanical harvest
 Mississippi, 2011

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	18.00	0.7500	13.50	_____
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	6.22	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	2.5000	14.80	_____
Sevin XLR Plus	qt	10.56	2.0000	21.12	_____
SEED/PLANTS					
Snap Beans - Hybrid	lb	6.00	70.0000	420.00	_____
OTHER					
Bushel Box	each	1.44	150.0000	216.00	_____
Cooling Snap Beans	bu box	0.75	150.0000	112.50	_____
OPERATOR LABOR					
Tractors	hour	11.35	10.3551	117.52	_____
HAND LABOR					
Implements	hour	9.10	11.0770	100.80	_____
GRD LABOR S. BEANS					
Special Labor	hour	9.10	20.0000	182.00	_____
R.B.ConveySnapBeans	hour	9.10	30.0000	273.00	_____
Rot.Pk Table S Beans	hour	9.10	1.5000	13.65	_____
UNALLOCATED LABOR	hour	11.34	2.0710	23.50	_____
DIESEL FUEL					
Tractors	gal	2.39	39.9749	95.53	_____
REPAIR & MAINTENANCE					
Implements	acre	115.54	1.0000	115.54	_____
Tractors	acre	10.37	1.0000	10.37	_____
R.B.ConveySnapBeans	bu	0.40	150.0000	60.69	_____
Rot.Pk Table S Beans	bu	0.03	150.0000	5.69	_____
INTEREST ON OP. CAP.	acre	12.40	1.0000	12.40	_____
TOTAL DIRECT EXPENSES				1936.03	_____
FIXED EXPENSES					
Implements	acre	160.29	1.0000	160.29	_____
Tractors	acre	64.68	1.0000	64.68	_____
R.B.ConveySnapBeans	each	149.19	0.0200	2.98	_____
Rot.Pk Table S Beans	each	140.82	0.0200	2.82	_____
TOTAL FIXED EXPENSES				230.77	_____
TOTAL SPECIFIED EXPENSES				2166.80	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	13.50	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	6.22	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	21.12	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	328.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	14.48	12.08	20.46	663.45	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	8.78	8.19	12.66	65.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	2.55	26.55	39.18	124.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	2.06	5.22	0.85	4.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	144.67	486.84	118.39	1186.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-144.67	-486.84	-118.39	-1186.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-144.67	-631.51	-749.90	-1936.03	-1936.03	-1936.03	-1936.03	-1936.03	-1936.03	-1936.03	-1936.03	-1936.03

Note: Cost of production estimates are based on 2010 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, 2011

Snap Beans			-----BREAKEVEN PRICE-----										
			10.11	10.73	11.44	12.27	13.26	14.44	15.88	17.69	20.01	23.11	27.44
PERCENT	YIELD	UNIT	-----dollars-----										
50	75.00	30lb	-1069 -1300	-1022 -1253	-969 -1200	-906 -1137	-832 -1063	-744 -975	-635 -866	-500 -731	-326 -557	-94 -325	230 0
60	90.00	30lb	-939 -1170	-883 -1114	-819 -1050	-744 -975	-655 -886	-549 -780	-419 -650	-256 -487	-47 -278	230 0	620 390
70	105.00	30lb	-809 -1040	-744 -975	-669 -900	-581 -812	-478 -709	-354 -585	-202 -433	-12 -243	230 0	555 325	1010 780
80	120.00	30lb	-679 -910	-604 -835	-519 -750	-419 -650	-301 -531	-159 -390	14 -216	230 0	509 278	880 650	1400 1170
90	135.00	30lb	-549 -780	-465 -696	-369 -600	-256 -487	-123 -354	35 -195	230 0	474 243	787 557	1205 975	1790 1560
100	150.00	30lb	-419 -650	-326 -557	-219 -450	-94 -325	53 -177	230 0	447 216	718 487	1066 835	1530 1300	2180 1950
110	165.00	30lb	-289 -520	-187 -417	-69 -300	68 -162	230 0	425 195	664 433	962 731	1345 1114	1855 1625	2570 2340
120	180.00	30lb	-159 -390	-47 -278	80 -150	230 0	408 177	620 390	880 650	1205 975	1623 1392	2180 1950	2960 2730
130	195.00	30lb	-29 -260	91 -139	230 0	393 162	585 354	815 585	1097 866	1449 1218	1902 1671	2505 2275	3350 3120
140	210.00	30lb	100 -130	230 0	380 150	555 325	762 531	1010 780	1314 1083	1693 1462	2180 1950	2830 2600	3740 3510
150	225.00	30lb	230 0	370 139	530 300	718 487	939 709	1205 975	1530 1300	1937 1706	2459 2228	3155 2925	4130 3900

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 2010 input prices.

Table 12.A Estimated resource use and costs for field operations, per acre
 Southern peas, fresh market, hand harvest
 Mississippi, 2011

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	46.00	22.77	22.77
Sub-Soiler	2 shank	2WD 75 hp	0.404	1.00	Feb	4.14	2.53	1.02	2.53	0.40	4.59				14.81
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Feb	0.86	0.53	0.06	0.24	0.08	0.96				2.65
Amm Nitrate (34%)	cwt											0.5000	18.00	9.00	9.00
Phosphorus(46% P205)	cwt											1.5600	22.00	34.32	34.32
Potash (60% K20)	cwt											1.2000	23.00	27.60	27.60
Disk Harrow	14'	2WD 75 hp	0.141	2.00	Mar	2.89	1.77	1.62	3.55	0.28	3.22				13.05
Disk Bed	4-Row	2WD 75 hp	0.140	1.00	Mar	1.44	0.88	0.23	0.63	0.14	1.60				4.78
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	1.98	1.21	0.10	0.28	0.29	3.08				6.65
Treflan HFP	pt											0.5000	3.11	1.56	1.56
Plntr - Vacuum	4-Row	2WD 75 hp	0.226	1.00	Apr	2.32	1.42	15.62	25.98	0.22	2.57				47.91
Southern Peas - OP	lb											10.0000	4.00	40.00	40.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Brigade 2EC	oz											6.0000	0.94	5.64	5.64
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	5.02	3.07	18.68	33.74	0.49	5.57				66.08
Thionex 3EC	pt											4.0000	3.47	13.88	13.88
Cultivate	4-Row	2WD 75 hp	0.155	1.00	May	1.59	0.97	0.31	0.83	0.15	1.76				5.46
Trailer - Vegetables	16'	2WD 75 hp	0.090	3.00	May	2.76	1.69	0.15	0.25	0.54	5.52				10.37
HARVEST LABOR	hour			1.00	May					75.00	682.50				682.50
5-Gal Bucket	each											20.0000	3.88	77.60	77.60
Sheller S. Peas	each			1.00	May				6.57			0.0200			6.57
100/10 lb bg S. Peas	acre							0.25		6.00	54.60	1.0000			54.85
R.B.Convey S. Peas	each			1.00	May				2.98			0.0200			2.98
Rot.Pk.Table S Peas	each			1.00	May				2.82			0.0200			2.82
Application 1	acre							0.15		3.00	27.30	1.0000			27.45
Bag Sealer S. Peas	each			1.00	May				0.80			0.0200			0.80
Application 1	acre							0.55		0.10	0.91	1.0000			1.46
TOTALS							25.52	15.60	48.08	98.07	86.96	796.97		232.37	1216.61
INTEREST ON OPERATING CAPITAL															5.64
UNALLOCATED LABOR															5.65
TOTAL SPECIFIED COST															1227.90

Note: Cost of production estimates are based on 2010 input prices.
Fertilization decisions should be based on soil tests.

Table 12.B Estimated costs per acre
 Southern peas, fresh market, hand harvest
 Mississippi, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	46.00	0.4950	22.77	_____
Amm Nitrate (34%)	cwt	18.00	0.5000	9.00	_____
Phosphorus(46% P205)	cwt	22.00	1.5600	34.32	_____
Potash (60% K20)	cwt	23.00	1.2000	27.60	_____
HERBICIDE					
Treflan HFP	pt	3.11	0.5000	1.56	_____
INSECTICIDE					
Brigade 2EC	oz	0.94	6.0000	5.64	_____
Thionex 3EC	pt	3.47	4.0000	13.88	_____
SEED/PLANTS					
Southern Peas - OP	lb	4.00	10.0000	40.00	_____
OTHER					
5-Gal Bucket	each	3.88	20.0000	77.60	_____
OPERATOR LABOR					
Tractors	hour	11.35	2.4950	28.32	_____
HARVEST LABOR					
Special Labor	hour	9.10	75.0000	682.50	_____
HAND LABOR					
Implements	hour	9.10	0.3669	3.34	_____
GRD LABOR S. PEAS					
Rot.Pk.Table S Peas	hour	9.10	3.0000	27.30	_____
Bag Sealer S. Peas	hour	9.10	0.1000	0.91	_____
Sheller S. Peas	hour	9.10	6.0000	54.60	_____
UNALLOCATED LABOR	hour	11.32	0.4990	5.65	_____
DIESEL FUEL					
Tractors	gal	2.39	9.6319	23.02	_____
REPAIR & MAINTENANCE					
Implements	acre	47.13	1.0000	47.13	_____
Tractors	acre	2.50	1.0000	2.50	_____
Rot.Pk.Table S Peas	acre	0.15	1.0000	0.15	_____
Bag Sealer S. Peas	acre	0.55	1.0000	0.55	_____
Sheller S. Peas	acre	0.25	1.0000	0.25	_____
INTEREST ON OP. CAP.	acre	5.64	1.0000	5.64	_____
TOTAL DIRECT EXPENSES				1114.23	_____
FIXED EXPENSES					
Implements	acre	84.90	1.0000	84.90	_____
Tractors	acre	15.60	1.0000	15.60	_____
R.B.Convey S. Peas	each	149.19	0.0200	2.98	_____
Rot.Pk.Table S Peas	each	140.82	0.0200	2.82	_____
Bag Sealer S. Peas	each	39.78	0.0200	0.80	_____
Sheller S. Peas	each	328.63	0.0200	6.57	_____
TOTAL FIXED EXPENSES				113.67	_____
TOTAL SPECIFIED EXPENSES				1227.90	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	22.77	70.92	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	5.64	13.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	40.00	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	77.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	6.66	5.78	9.95	780.23	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	4.51	3.91	6.15	8.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.57	2.27	25.73	21.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.41	1.21	0.13	0.64	3.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	23.18	84.87	12.09	89.67	904.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-23.18	-84.87	-12.09	-89.67	-904.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-23.18	-108.05	-120.14	-209.81	-1114.23	-1114.23	-1114.23	-1114.23	-1114.23	-1114.23	-1114.23	-1114.23

Note: Cost of production estimates are based on 2010 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, 2011

Southern Peas			-----BREAKEVEN PRICE-----										
			8.18	8.77	9.44	10.23	11.16	12.27	13.64	15.34	17.54	20.46	24.55
PERCENT	YIELD	UNIT	-----dollars-----										
50	50.00	101b	-704	-675	-641	-602	-556	-500	-432	-346	-237	-90	113
			-818	-789	-755	-716	-669	-613	-545	-460	-350	-204	0
60	60.00	101b	-623	-587	-547	-500	-444	-377	-295	-193	-61	113	359
			-736	-701	-661	-613	-558	-491	-409	-306	-175	0	245
70	70.00	101b	-541	-500	-453	-397	-332	-254	-159	-39	113	318	604
			-654	-613	-566	-511	-446	-368	-272	-153	0	204	491
80	80.00	101b	-459	-412	-358	-295	-221	-131	-22	113	289	522	850
			-573	-526	-472	-409	-334	-245	-136	0	175	409	736
90	90.00	101b	-377	-324	-264	-193	-109	-9	113	267	464	727	1095
			-491	-438	-377	-306	-223	-122	0	153	350	613	982
100	100.00	101b	-295	-237	-169	-90	2	113	250	420	639	932	1341
			-409	-350	-283	-204	-111	0	136	306	526	818	1227
110	110.00	101b	-213	-149	-75	11	113	236	386	574	815	1136	1587
			-327	-263	-188	-102	0	122	272	460	701	1023	1473
120	120.00	101b	-131	-61	19	113	225	359	522	727	990	1341	1832
			-245	-175	-94	0	111	245	409	613	877	1227	1719
130	130.00	101b	-50	25	113	215	336	482	659	881	1166	1546	2078
			-163	-87	0	102	223	368	545	767	1052	1432	1964
140	140.00	101b	31	113	208	318	448	604	795	1034	1341	1750	2323
			-81	0	94	204	334	491	682	920	1227	1637	2210
150	150.00	101b	113	201	302	420	560	727	932	1188	1516	1955	2569
			0	87	188	306	446	613	818	1074	1403	1841	2455

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 2010 input prices.

Table 13.A Estimated resource use and costs for field operations, per acre
 Southern peas, fresh market, mechanical harvest
 Mississippi, 2011

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	46.00	22.77	22.77
Sub-Soiler	2 shank	2WD 75 hp	0.404	1.00	Feb	4.14	2.53	1.02	2.53	0.40	4.59				14.81
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Feb	0.86	0.53	0.06	0.24	0.08	0.96				2.65
Amm Nitrate (34%)	cwt											0.5000	18.00	9.00	9.00
Phosphorus(46% P205)	cwt											1.5600	22.00	34.32	34.32
Potash (60% K20)	cwt											1.2000	23.00	27.60	27.60
Disk Harrow	14'	2WD 75 hp	0.141	2.00	Mar	2.89	1.77	1.62	3.55	0.28	3.22				13.05
Disk Bed	4-Row	2WD 75 hp	0.140	1.00	Mar	1.44	0.88	0.23	0.63	0.14	1.60				4.78
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	1.98	1.21	0.10	0.28	0.29	3.08				6.65
Treflan HFP	pt											0.5000	3.11	1.56	1.56
Plntr - Vacuum	4-Row	2WD 75 hp	0.226	1.00	Apr	2.32	1.42	15.62	25.98	0.22	2.57				47.91
Southern Peas - OP	lb											10.0000	4.00	40.00	40.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Brigade 2EC	oz											6.0000	0.94	5.64	5.64
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	5.02	3.07	18.68	33.74	0.49	5.57				66.08
Thionex 3EC	pt											4.0000	3.47	13.88	13.88
Cultivate	4-Row	2WD 75 hp	0.155	1.00	May	1.59	0.97	0.31	0.83	0.15	1.76				5.46
Trailer-Southern Pea	16'	2WD 75 hp	3.571	1.00	May	36.53	22.30	2.15	3.75	7.14	73.04				137.77
Picker Beans/Peas	1-Row	2WD 75 hp	3.571	1.00	May	36.53	22.30	48.32	37.97	10.71	105.54				250.66
Sacks - S Peas	each											75.0000	0.36	27.00	27.00
Sheller S. Peas	each			1.00	May				6.57			0.0200			6.57
64/10 lb bg S. Peas	acre							0.25		6.00	54.60	1.0000			54.85
R.B.Convey S. Peas	each			1.00	May				2.98			0.0200			2.98
Rot.Pk.Table S Peas	each			1.00	May				2.82			0.0200			2.82
Application 1	acre							0.15		3.00	27.30	1.0000			27.45
Bag Sealer S. Peas	each			1.00	May				0.80			0.0200			0.80
Application 1	acre							0.55		0.10	0.91	1.0000			1.46
TOTALS						95.82	58.51	98.40	139.54	29.27	287.53			181.77	861.57
INTEREST ON OPERATING CAPITAL															4.12
UNALLOCATED LABOR															21.26
TOTAL SPECIFIED COST															886.95

Note: Cost of production estimates are based on 2010 input prices.
Fertilization decisions should be based on soil tests.

Table 13.B Estimated costs per acre
 Southern peas, fresh market, mechanical harvest
 Mississippi, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	46.00	0.4950	22.77	_____
Amm Nitrate (34%)	cwt	18.00	0.5000	9.00	_____
Phosphorus(46% P205)	cwt	22.00	1.5600	34.32	_____
Potash (60% K20)	cwt	23.00	1.2000	27.60	_____
HERBICIDE					
Treflan HFP	pt	3.11	0.5000	1.56	_____
INSECTICIDE					
Brigade 2EC	oz	0.94	6.0000	5.64	_____
Thionex 3EC	pt	3.47	4.0000	13.88	_____
SEED/PLANTS					
Southern Peas - OP	lb	4.00	10.0000	40.00	_____
OTHER					
Sacks - S Peas	each	0.36	75.0000	27.00	_____
OPERATOR LABOR					
Tractors	hour	11.35	9.3679	106.34	_____
HAND LABOR					
Implements	hour	9.10	10.8112	98.38	_____
GRD LABOR S. PEAS					
Rot.Pk.Table S Peas	hour	9.10	3.0000	27.30	_____
Bag Sealer S. Peas	hour	9.10	0.1000	0.91	_____
Sheller S. Peas	hour	9.10	6.0000	54.60	_____
UNALLOCATED LABOR	hour	11.34	1.8735	21.26	_____
DIESEL FUEL					
Tractors	gal	2.39	36.1639	86.43	_____
REPAIR & MAINTENANCE					
Implements	acre	97.45	1.0000	97.45	_____
Tractors	acre	9.39	1.0000	9.39	_____
Rot.Pk.Table S Peas	acre	0.15	1.0000	0.15	_____
Bag Sealer S. Peas	acre	0.55	1.0000	0.55	_____
Sheller S. Peas	acre	0.25	1.0000	0.25	_____
INTEREST ON OP. CAP.	acre	4.12	1.0000	4.12	_____
TOTAL DIRECT EXPENSES				688.90	_____
FIXED EXPENSES					
Implements	acre	126.37	1.0000	126.37	_____
Tractors	acre	58.51	1.0000	58.51	_____
R.B.Convey S. Peas	each	149.19	0.0200	2.98	_____
Rot.Pk.Table S Peas	each	140.82	0.0200	2.82	_____
Bag Sealer S. Peas	each	39.78	0.0200	0.80	_____
Sheller S. Peas	each	328.63	0.0200	6.57	_____
TOTAL FIXED EXPENSES				198.05	_____
TOTAL SPECIFIED EXPENSES				886.95	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	22.77	70.92	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	5.64	13.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	40.00	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	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	6.66	5.78	9.95	286.40	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	4.51	3.91	6.15	71.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.57	2.27	25.73	78.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.41	1.21	0.13	0.64	1.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	23.18	84.87	12.09	89.67	479.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-23.18	-84.87	-12.09	-89.67	-479.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-23.18	-108.05	-120.14	-209.81	-688.90	-688.90	-688.90	-688.90	-688.90	-688.90	-688.90	-688.90

Note: Cost of production estimates are based on 2010 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, 2011

Southern Peas			-----BREAKEVEN PRICE-----										
			9.23	9.89	10.66	11.54	12.59	13.85	15.39	17.32	19.79	23.09	27.71
PERCENT	YIELD	UNIT	-----dollars-----										
50	32.00	101b	-393	-372	-347	-319	-285	-245	-196	-134	-55	50	198
			-591	-570	-545	-517	-483	-443	-394	-332	-253	-147	0
60	38.40	101b	-334	-308	-279	-245	-205	-156	-97	-23	71	198	375
			-532	-506	-477	-443	-403	-354	-295	-221	-126	0	177
70	44.80	101b	-274	-245	-211	-171	-124	-68	0	87	198	345	552
			-473	-443	-409	-369	-322	-266	-197	-110	0	147	354
80	51.20	101b	-215	-182	-143	-97	-43	20	99	198	324	493	730
			-413	-380	-341	-295	-241	-177	-98	0	126	295	532
90	57.60	101b	-156	-118	-74	-23	36	109	198	308	451	641	907
			-354	-316	-272	-221	-161	-88	0	110	253	443	709
100	64.00	101b	-97	-55	-6	50	117	198	296	419	578	789	1085
			-295	-253	-204	-147	-80	0	98	221	380	591	886
110	70.40	101b	-38	7	61	124	198	286	395	530	704	937	1262
			-236	-190	-136	-73	0	88	197	332	506	739	1064
120	76.80	101b	20	71	129	198	278	375	493	641	831	1085	1439
			-177	-126	-68	0	80	177	295	443	633	886	1241
130	83.20	101b	79	134	198	271	359	464	592	752	958	1232	1617
			-118	-63	0	73	161	266	394	554	760	1034	1419
140	89.60	101b	138	198	266	345	439	552	690	863	1085	1380	1794
			-59	0	68	147	241	354	492	665	886	1182	1596
150	96.00	101b	198	261	334	419	520	641	789	974	1211	1528	1971
			0	63	136	221	322	443	591	776	1013	1330	1773

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 2010 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, 2011

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	46.00	22.77	22.77
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	2.25	1.38	0.28	0.50	0.22	2.50				6.91
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Mar	4.06	2.48	0.87	1.90	0.39	4.50				13.81
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Mar	1.44	0.88	0.35	0.95	0.21	2.24				5.86
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	13.24	8.08	2.40	7.11	1.29	14.69				45.52
Plastic Mulch	roll											2.2000	162.00	356.40	356.40
Drip Tape	roll											1.5000	147.50	221.25	221.25
Plntr/H20/pnch/seed	1-Row	2WD 75 hp	2.578	1.00	Apr	26.38	16.10	4.31	7.30	5.15	52.72				106.81
Squash - Hybrid	lb											2.0000	129.00	258.00	258.00
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	9.10				9.10
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Brigade 2EC	oz											6.0000	0.94	5.64	5.64
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									2.00	18.20				18.20
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Quadris	oz											11.0000	2.52	27.72	27.72
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	9.10				9.10
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	5.02	3.07	18.68	33.74	0.49	5.57				66.08
Brigade 2EC	oz											12.0000	0.94	11.28	11.28
Bravo Weather Stick	pt											3.0000	5.69	17.07	17.07
Fertigate CAN03/KN03				4.00	May										
FERTIGATION LABOR	hour									4.00	36.40				36.40
Calcium Nitrate	lb											100.0000	0.35	35.00	35.00
Trailer - Vegetables	16'	2WD 75 hp	0.090	10.00	Jun	9.20	5.62	0.48	0.84	1.80	18.40				34.54
HARVEST LABOR	hour			1.00	Jun					100.00	910.00				910.00
5-Gal Bucket	each											200.0000	3.88	776.00	776.00
Bushel Box	each											250.0000	1.44	360.00	360.00
GRADE & PACK LABOR	hour			10.00	Jun					110.00	1001.00				1001.00
Mulch Lifter	1-Row	2WD 75 hp	0.589	1.00	Jun	6.03	3.68	0.13	2.44	0.58	6.69				18.97
LABOR MULCH CLEANUP	hour									15.00	136.50				136.50
Irrigation Setup	acre				Apr							1.0000			374.76
TOTALS						72.66	44.35	46.18	88.52	243.65	2233.19			2715.06	5574.72
INTEREST ON OPERATING CAPITAL															34.39
UNALLOCATED LABOR															16.12
TOTAL SPECIFIED COST															5625.23

Note: Cost of production estimates are based on 2010 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, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	46.00	0.4950	22.77	_____
Fert 13-13-13	cwt	15.43	9.0000	138.87	_____
Calcium Nitrate	lb	0.35	200.0000	70.00	_____
FUNGICIDE					
Quadris	oz	2.52	11.0000	27.72	_____
Bravo Weather Stick	pt	5.69	3.0000	17.07	_____
INSECTICIDE					
Brigade 2EC	oz	0.94	18.0000	16.92	_____
SEED/PLANTS					
Squash - Hybrid	lb	129.00	2.0000	258.00	_____
OTHER					
Plastic Mulch	roll	162.00	2.2000	356.40	_____
5-Gal Bucket	each	3.88	200.0000	776.00	_____
Bushel Box	each	1.44	250.0000	360.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	147.50	1.5000	221.25	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	11.35	7.1016	80.60	_____
HARVEST LABOR					
Special Labor	hour	9.10	100.0000	910.00	_____
GRADE & PACK LABOR					
Special Labor	hour	9.10	110.0000	1001.00	_____
HAND LABOR					
Implements	hour	9.10	3.5486	32.29	_____
FERTIGATION LABOR					
Special Labor	hour	9.10	8.0000	72.80	_____
LABOR MULCH CLEANUP					
Special Labor	hour	9.10	15.0000	136.50	_____
UNALLOCATED LABOR					
	hour	11.34	1.4203	16.12	_____
DIESEL FUEL					
Tractors	gal	2.39	27.4151	65.53	_____
REPAIR & MAINTENANCE					
Implements	acre	46.18	1.0000	46.18	_____
Tractors	acre	7.13	1.0000	7.13	_____
INTEREST ON OP. CAP.	acre	34.39	1.0000	34.39	_____
TOTAL DIRECT EXPENSES				5117.60	_____
FIXED EXPENSES					
Implements	acre	88.52	1.0000	88.52	_____
Tractors	acre	44.35	1.0000	44.35	_____
Irrigation Setup	acre	374.76	1.0000	374.76	_____
TOTAL FIXED EXPENSES				507.63	_____
TOTAL SPECIFIED EXPENSES				5625.23	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	22.77	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	44.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	16.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	258.00	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	1136.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	221.25	450.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.00	25.59	108.35	36.40	2075.97	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	2.03	16.90	32.86	0.00	13.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.50	5.46	45.25	0.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.51	11.02	10.71	0.51	11.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	28.81	775.49	1001.94	71.91	3239.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-28.81	-775.49	-1001.94	-71.91	-3239.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-28.81	-804.30	-1806.24	-1878.15	-5117.60	-5117.60	-5117.60	-5117.60	-5117.60	-5117.60	-5117.60	-5117.60

Note: Cost of production estimates are based on 2010 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, 2011

			-----BREAKEVEN PRICE-----										
Squash			15.48	16.48	17.64	18.99	20.58	22.50	24.84	27.76	31.52	36.53	43.55
PERCENT	YIELD	UNIT	-----dollars-----										
50	125.00	421b	-3001 -3509	-2876 -3383	-2731 -3239	-2562 -3070	-2363 -2871	-2124 -2631	-1831 -2339	-1466 -1973	-996 -1503	-369 -877	507 0
60	150.00	421b	-2650 -3158	-2500 -3007	-2326 -2834	-2124 -2631	-1885 -2392	-1597 -2105	-1247 -1754	-808 -1315	-244 -751	507 0	1560 1052
70	175.00	421b	-2299 -2807	-2124 -2631	-1921 -2429	-1685 -2193	-1406 -1914	-1071 -1579	-662 -1169	-150 -657	507 0	1384 877	2613 2105
80	200.00	421b	-1948 -2456	-1748 -2255	-1516 -2024	-1247 -1754	-927 -1435	-545 -1052	-77 -584	507 0	1259 751	2262 1754	3665 3158
90	225.00	421b	-1597 -2105	-1372 -1879	-1112 -1619	-808 -1315	-449 -957	-18 -526	507 0	1165 657	2011 1503	3139 2631	4718 4211
100	250.00	421b	-1247 -1754	-996 -1503	-707 -1214	-369 -877	29 -478	507 0	1092 584	1823 1315	2763 2255	4016 3509	5771 5263
110	275.00	421b	-896 -1403	-620 -1127	-302 -809	68 -438	507 0	1034 526	1677 1169	2481 1973	3515 3007	4894 4386	6824 6316
120	300.00	421b	-545 -1052	-244 -751	102 -404	507 0	986 478	1560 1052	2262 1754	3139 2631	4267 3759	5771 5263	7877 7369
130	325.00	421b	-194 -701	131 -375	507 0	946 438	1464 957	2086 1579	2847 2339	3797 3289	5019 4511	6648 6141	8929 8422
140	350.00	421b	156 -350	507 0	912 404	1384 877	1943 1435	2613 2105	3432 2924	4455 3947	5771 5263	7526 7018	9982 9475
150	375.00	421b	507 0	883 375	1317 809	1823 1315	2421 1914	3139 2631	4016 3509	5113 4605	6523 6015	8403 7895	11035 10527

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 2010 input prices.

Table 15.A Estimated resource use and costs for field operations, per acre
 Sweet corn, fresh market, hand harvest
 Mississippi, 2011

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	46.00	22.77	22.77
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	2.25	1.38	0.28	0.50	0.22	2.50				6.91
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Feb	4.06	2.48	0.87	1.90	0.39	4.50				13.81
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Mar	1.44	0.88	0.35	0.95	0.21	2.24				5.86
Fert 13-13-13	cwt											7.5000	15.43	115.73	115.73
Cultivate	4-Row	2WD 75 hp	0.155	1.00	Mar	1.59	0.97	0.31	0.83	0.15	1.76				5.46
Plntr - Vacuum	4-Row	2WD 75 hp	0.226	1.00	Mar	2.32	1.42	15.62	25.98	0.22	2.57				47.91
Sweet Corn - Hybrid	lb											9.0000	14.00	126.00	126.00
Poncho	oz											0.2020	0.62	0.13	0.13
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Mar	1.98	1.21	0.10	0.28	0.29	3.08				6.65
Bicep II Magnum	pt											4.0000	5.29	21.16	21.16
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	2.00	Apr	3.97	2.42	1.43	6.68	0.58	6.16				20.66
Amm Nitrate (34%)	cwt											4.0000	18.00	72.00	72.00
Sprayer 110 gal	30' 47hp		0.035	7.00	May	2.05	4.86			0.37	3.92				10.83
Brigade 2EC	oz											42.0000	0.94	39.48	39.48
Sprayer 110 gal	30' 47hp		0.035	5.00	Jun	1.46	3.47			0.26	2.80				7.73
Radiant 1SC	oz											30.0000	4.99	149.70	149.70
Brigade 2EC	oz											20.0000	0.94	18.80	18.80
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Jun	0.92	0.56	0.05	0.08	0.18	1.84				3.45
HARVEST & PACK LABOR	hour			1.00	Jun					50.00	455.00				455.00
Crates - Sweet Corn	each			1.00	Jun							200.0000	2.20	440.00	440.00
Ice + Cooling	crate											200.0000	0.70	140.00	140.00
TOTALS						22.04	19.65	19.01	37.20	52.89	486.37			1145.77	1730.04
INTEREST ON OPERATING CAPITAL															10.70
UNALLOCATED LABOR															5.06
TOTAL SPECIFIED COST															1745.80

Note: Cost of production estimates are based on 2010 input prices.
Fertilization decisions should be based on soil tests.

Table 15.B Estimated costs per acre
Sweet corn, fresh market, hand harvest
Mississippi, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	46.00	0.4950	22.77	_____
Fert 13-13-13	cwt	15.43	7.5000	115.73	_____
Amm Nitrate (34%)	cwt	18.00	4.0000	72.00	_____
HERBICIDE					
Bicep II Magnum	pt	5.29	4.0000	21.16	_____
INSECTICIDE					
Poncho	oz	0.62	0.2020	0.13	_____
Brigade 2EC	oz	0.94	62.0000	58.28	_____
Radiant 1SC	oz	4.99	30.0000	149.70	_____
SEED/PLANTS					
Sweet Corn - Hybrid	lb	14.00	9.0000	126.00	_____
OTHER					
Crates - Sweet Corn	each	2.20	200.0000	440.00	_____
Ice + Cooling	crate	0.70	200.0000	140.00	_____
OPERATOR LABOR					
Tractors	hour	11.35	1.8112	20.55	_____
Self-Propelled	hour	11.35	0.4231	4.80	_____
HAND LABOR					
Implements	hour	9.10	0.4512	4.10	_____
Self-Propelled	hour	9.10	0.2115	1.92	_____
HARVEST & PACK LABOR					
Special Labor	hour	9.10	50.0000	455.00	_____
UNALLOCATED LABOR	hour	11.32	0.4468	5.06	_____
DIESEL FUEL					
Tractors	gal	2.39	6.9920	16.71	_____
Self-Propelled	gal	2.39	0.9092	2.18	_____
REPAIR & MAINTENANCE					
Implements	acre	19.01	1.0000	19.01	_____
Tractors	acre	1.82	1.0000	1.82	_____
Self-Propelled	acre	1.33	1.0000	1.33	_____
INTEREST ON OP. CAP.	acre	10.70	1.0000	10.70	_____
TOTAL DIRECT EXPENSES				1688.95	_____
FIXED EXPENSES					
Implements	acre	37.20	1.0000	37.20	_____
Tractors	acre	11.32	1.0000	11.32	_____
Self-Propelled	acre	8.33	1.0000	8.33	_____
TOTAL FIXED EXPENSES				56.85	_____
TOTAL SPECIFIED EXPENSES				1745.80	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	22.77	0.00	115.73	72.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	21.16	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	39.48	168.50	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	126.00	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	580.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	8.40	11.27	7.04	4.48	460.24	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	5.69	6.61	3.58	1.27	1.74	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.77	17.10	1.82	0.78	0.69	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.49	0.29	4.30	0.91	0.33	4.38	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	23.26	16.15	302.30	85.35	46.34	1215.55	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-23.26	-16.15	-302.30	-85.35	-46.34	-1215.55	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-23.26	-39.41	-341.71	-427.06	-473.40	-1688.95	-1688.95	-1688.95	-1688.95	-1688.95	-1688.95	-1688.95

Note: Cost of production estimates are based on 2010 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, 2011

Sweet Corn			-----BREAKEVEN PRICE-----										
			6.78	7.06	7.38	7.75	8.20	8.72	9.37	10.18	11.22	12.60	14.54
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	5doz	-718	-691	-659	-621	-577	-525	-460	-379	-275	-137	56
			-775	-748	-716	-678	-634	-581	-517	-436	-332	-193	0
60	120.00	5doz	-641	-608	-569	-525	-472	-408	-331	-234	-109	56	289
			-698	-664	-626	-581	-528	-465	-387	-290	-166	0	232
70	140.00	5doz	-563	-525	-480	-428	-366	-292	-201	-88	56	250	522
			-620	-581	-537	-484	-423	-349	-258	-145	0	193	465
80	160.00	5doz	-486	-441	-390	-331	-260	-175	-72	56	223	444	755
			-543	-498	-447	-387	-317	-232	-129	0	166	387	698
90	180.00	5doz	-408	-358	-301	-234	-154	-59	56	202	389	638	987
			-465	-415	-358	-290	-211	-116	0	145	332	581	930
100	200.00	5doz	-331	-275	-211	-137	-48	56	186	347	555	832	1220
			-387	-332	-268	-193	-105	0	129	290	498	775	1163
110	220.00	5doz	-253	-192	-122	-40	56	173	315	493	721	1026	1453
			-310	-249	-179	-96	0	116	258	436	664	969	1396
120	240.00	5doz	-175	-109	-32	56	162	289	444	638	888	1220	1686
			-232	-166	-89	0	105	232	387	581	831	1163	1629
130	260.00	5doz	-98	-26	56	153	268	405	574	784	1054	1414	1918
			-155	-83	0	96	211	349	517	727	997	1357	1861
140	280.00	5doz	-20	56	146	250	374	522	703	929	1220	1608	2151
			-77	0	89	193	317	465	646	872	1163	1551	2094
150	300.00	5doz	56	139	235	347	480	638	832	1075	1386	1802	2384
			0	83	179	290	423	581	775	1018	1329	1745	2327

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 2010 input prices.

Table 16.A Estimated resource use and costs for field operations, per acre
 Sweet corn, fresh market, train harvest (shipping)
 Mississippi, 2011

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	46.00	22.77	22.77
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	2.25	1.38	0.28	0.50	0.22	2.50				6.91
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Feb	4.06	2.48	0.87	1.90	0.39	4.50				13.81
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Mar	1.44	0.88	0.35	0.95	0.21	2.24				5.86
Fert 13-13-13	cwt											7.5000	15.43	115.73	115.73
Cultivate	4-Row	2WD 75 hp	0.155	1.00	Mar	1.59	0.97	0.31	0.83	0.15	1.76				5.46
Plntr - Vacuum+Ins	4R 30-40	2WD 75 hp	0.226	1.00	Mar	2.32	1.42	16.98	28.24	0.22	2.57				51.53
Sweet Corn - Hybrid	lb											9.0000	14.00	126.00	126.00
Poncho	oz											0.2020	0.62	0.13	0.13
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Mar	1.98	1.21	0.10	0.28	0.29	3.08				6.65
Bicep II Magnum	pt											4.0000	5.29	21.16	21.16
Cultivate+Sidedress	2-Row	2WD 75 hp	0.390	2.00	Apr	7.99	4.88	0.91	4.24	1.17	12.42				30.44
Amm Nitrate (34%)	cwt											4.0000	18.00	72.00	72.00
Sprayer 110 gal	30' 47hp		0.035	7.00	May	2.05	4.86			0.37	3.92				10.83
Brigade 2EC	oz											42.0000	0.94	39.48	39.48
Sprayer 110 gal	30' 47hp		0.035	5.00	Jun	1.46	3.47			0.26	2.80				7.73
Radiant 1SC	oz											30.0000	4.99	149.70	149.70
Brigade 2EC	oz											20.0000	0.94	18.80	18.80
Mule Train (Corn)	30'	2WD 75 hp	0.229	1.00	Jun	2.34	1.43	13.35	89.08	7.56	69.33				175.53
Trailer(MuleTrn)Corn	16'	2WD 75 hp	0.229	1.00	Jun	2.34	1.43	2.06	3.59	0.68	6.77				16.19
Crates - Sweet Corn	each			1.00	Jun							200.0000	2.20	440.00	440.00
Ice + Cooling	crate											200.0000	0.70	140.00	140.00
TOTALS						29.82	24.41	35.21	129.61	11.55	111.89			1145.77	1476.71
INTEREST ON OPERATING CAPITAL															9.54
UNALLOCATED LABOR															6.79
TOTAL SPECIFIED COST															1493.04

Note: Cost of production estimates are based on 2010 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, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	46.00	0.4950	22.77	_____
Fert 13-13-13	cwt	15.43	7.5000	115.73	_____
Amm Nitrate (34%)	cwt	18.00	4.0000	72.00	_____
HERBICIDE					
Bicep II Magnum	pt	5.29	4.0000	21.16	_____
INSECTICIDE					
Poncho	oz	0.62	0.2020	0.13	_____
Brigade 2EC	oz	0.94	62.0000	58.28	_____
Radiant 1SC	oz	4.99	30.0000	149.70	_____
SEED/PLANTS					
Sweet Corn - Hybrid	lb	14.00	9.0000	126.00	_____
OTHER					
Crates - Sweet Corn	each	2.20	200.0000	440.00	_____
Ice + Cooling	crate	0.70	200.0000	140.00	_____
OPERATOR LABOR					
Tractors	hour	11.35	2.5731	29.20	_____
Self-Propelled	hour	11.35	0.4231	4.80	_____
HARVEST LABOR					
Implements	hour	9.10	7.7917	70.90	_____
HAND LABOR					
Implements	hour	9.10	0.5580	5.07	_____
Self-Propelled	hour	9.10	0.2115	1.92	_____
UNALLOCATED LABOR	hour	11.33	0.5992	6.79	_____
DIESEL FUEL					
Tractors	gal	2.39	9.9333	23.73	_____
Self-Propelled	gal	2.39	0.9092	2.18	_____
REPAIR & MAINTENANCE					
Implements	acre	35.21	1.0000	35.21	_____
Tractors	acre	2.58	1.0000	2.58	_____
Self-Propelled	acre	1.33	1.0000	1.33	_____
INTEREST ON OP. CAP.	acre	9.54	1.0000	9.54	_____
TOTAL DIRECT EXPENSES				1339.02	_____
FIXED EXPENSES					
Implements	acre	129.61	1.0000	129.61	_____
Tractors	acre	16.08	1.0000	16.08	_____
Self-Propelled	acre	8.33	1.0000	8.33	_____
TOTAL FIXED EXPENSES				154.02	_____
TOTAL SPECIFIED EXPENSES				1493.04	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	22.77	0.00	115.73	72.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	21.16	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	39.48	168.50	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	126.00	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	580.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	8.40	11.27	14.19	4.48	80.34	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	5.69	6.61	7.21	1.27	5.13	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.77	18.46	1.69	0.78	16.42	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.49	0.29	4.32	1.03	0.33	3.08	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	23.26	16.15	303.68	96.12	46.34	853.47	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-23.26	-16.15	-303.68	-96.12	-46.34	-853.47	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-23.26	-39.41	-343.09	-439.21	-485.55	-1339.02	-1339.02	-1339.02	-1339.02	-1339.02	-1339.02	-1339.02

Note: Cost of production estimates are based on 2010 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, 2011

Sweet Corn			-----BREAKEVEN PRICE-----										
			5.94	6.16	6.41	6.70	7.05	7.46	7.97	8.60	9.41	10.50	12.01
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	5doz	-453 -607	-431 -585	-406 -560	-377 -531	-342 -496	-301 -455	-250 -404	-187 -341	-106 -260	2 -151	154 0
60	120.00	5doz	-392 -546	-366 -520	-336 -490	-301 -455	-260 -414	-210 -364	-149 -303	-73 -227	23 -130	154 0	336 182
70	140.00	5doz	-331 -485	-301 -455	-266 -420	-225 -379	-177 -331	-119 -273	-48 -202	40 -113	154 0	305 151	518 364
80	160.00	5doz	-271 -425	-236 -390	-196 -350	-149 -303	-94 -248	-28 -182	52 -101	154 0	284 130	457 303	700 546
90	180.00	5doz	-210 -364	-171 -325	-126 -280	-73 -227	-11 -165	62 -91	154 0	267 113	414 260	609 455	882 728
100	200.00	5doz	-149 -303	-106 -260	-56 -210	2 -151	71 -82	154 0	255 101	381 227	544 390	761 607	1064 910
110	220.00	5doz	-88 -242	-41 -195	13 -140	78 -75	154 0	245 91	356 202	495 341	674 520	913 759	1247 1093
120	240.00	5doz	-28 -182	23 -130	83 -70	154 0	236 82	336 182	457 303	609 455	804 650	1064 910	1429 1275
130	260.00	5doz	32 -121	88 -65	154 0	229 75	319 165	427 273	558 404	723 569	934 780	1216 1062	1611 1457
140	280.00	5doz	93 -60	154 0	224 70	305 151	402 248	518 364	660 506	837 683	1064 910	1368 1214	1793 1639
150	300.00	5doz	154 0	219 65	294 140	381 227	485 331	609 455	761 607	951 797	1195 1041	1520 1366	1975 1821

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 2010 input prices.

Table 17.A Estimated resource use and costs for field operations, per acre
Sweet potatoes
Mississippi, 2011

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	0.53	0.47	0.13	0.16	0.04	0.45				1.74
Glystar Plus	pt											2.0000	1.69	3.38	3.38
Disk Harrow	24'	MFWD 170	0.082	2.00	Apr	4.12	4.31	1.52	3.32	0.16	1.88				15.15
Chisel Plow Folding	16'	MFWD 170	0.116	1.00	Apr	2.91	3.04	0.84	1.51	0.11	1.32				9.62
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	1.80	23.94	23.94
Disk Bed (Hipper)	8R-40	MFWD 130	0.070	1.80	May	2.37	2.11	0.49	1.33	0.12	1.44				7.74
Disk Bed (Hipper)	8R-40	MFWD 130	0.070	0.20	May	0.27	0.23	0.05	0.15	0.01	0.16				0.86
Spray (Broadcast)	60'	MFWD 130	0.028	1.00	May	0.53	0.47	0.13	0.16	0.04	0.45				1.74
Valor SX	oz											2.0000	4.72	9.44	9.44
Trailer-Sweet Potato	16'	MFWD 130	0.598	1.00	May	11.18	9.95	5.38	9.37	0.59	6.80				42.68
Sweetpotato Plants	thous											12.0000	32.00	384.00	384.00
Trailer Water	10'	MFWD 130	0.600	1.00	May	11.20	9.97	0.27	0.82	0.60	6.81				29.07
Plntr/Transplanter	8R-42	MFWD 170	0.333	1.00	May	8.31	8.69	0.06	4.80	5.66	57.11				78.97
Crate Sweetpotato	each											2.0000	8.00	16.00	16.00
Spray (Broadcast)	60'	MFWD 130	0.028	1.00	May	0.53	0.47	0.13	0.16	0.04	0.45				1.74
Command 3ME	pt											2.0000	15.45	30.90	30.90
Brigade 2EC	oz											6.4000	0.94	6.02	6.02
Ditcher		MFWD 130	0.020	1.00	May	0.37	0.33	0.04	0.05	0.02	0.23				1.02
Scouting Sweetpotato	acre			1.00	May							1.0000	15.00	15.00	15.00
Spray (Broadcast)	60'	MFWD 130	0.028	1.00	May	0.53	0.47	0.13	0.16	0.04	0.45				1.74
Brigade 2EC	oz											6.4000	0.94	6.02	6.02
Cultivate - Heavy	8R-42	MFWD 130	0.073	1.00	May	1.38	1.22	0.38	1.05	0.07	0.84				4.87
Ditcher		MFWD 130	0.020	1.00	May	0.37	0.33	0.04	0.05	0.02	0.23				1.02
Cultivate - Heavy	8R-42	MFWD 130	0.073	1.00	Jun	1.38	1.22	0.38	1.05	0.07	0.84				4.87
Ditcher		MFWD 130	0.020	1.00	Jun	0.37	0.33	0.04	0.05	0.02	0.23				1.02
Spray (Broadcast)	60'	MFWD 130	0.028	0.50	Jul	0.27	0.23	0.06	0.08	0.02	0.22				0.86
Poast 1.53	pt											0.5000	9.47	4.74	4.74
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	2.07	1.84	0.43	1.31	0.11	1.26				6.91
Trailer-Sweet Potato	16'	MFWD 130	0.598	1.00	Sep	11.18	9.95	5.38	9.37	0.59	6.80				42.68
SWEET POTATO LABOR	hour									1.00	10.00				10.00
Truck	1/2 ton		2.310	1.00	Sep	9.83	9.78			2.31	26.22				45.83
Truck	1 ton +		1.730	1.00	Sep	4.25	16.41			1.73	19.64				40.30
Harvester,Swt.Potato	2 Row	MFWD 170	1.011	1.00	Sep	25.20	26.37	5.83	9.24	7.07	66.68				133.32
SWEET POTATO LABOR	hour									30.00	300.00				300.00
Bin Repair	each											2.0000	1.50	3.00	3.00
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	7.33	8.56			2.22	25.20				41.09
Custom Haul Swt. Pot	acre			1.00	Sep							1.0000	70.00	70.00	70.00
Sweetpotato Storage	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	1.43	471.90	471.90
Sweet Potato Broker	box			1.00	Sep							330.0000	1.00	330.00	330.00
TOTALS						106.48	116.75	21.71	44.19	57.09	579.31			2516.15	3384.59
INTEREST ON OPERATING CAPITAL															25.14
UNALLOCATED LABOR															23.32
TOTAL SPECIFIED COST															3433.05

Note: Cost of production estimates are based on 2010 input prices.
Fertilization decisions should be based on soil tests.

Table 17.B Estimated costs per acre
Sweet potatoes
Mississippi, 2011

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	1.69	2.0000	3.38	_____
Valor SX	oz	4.72	2.0000	9.44	_____
Command 3ME	pt	15.45	2.0000	30.90	_____
Poast 1.53	pt	9.47	0.5000	4.74	_____
INSECTICIDE					
Lorsban 15G	lb	1.80	13.3000	23.94	_____
Brigade 2EC	oz	0.94	12.8000	12.03	_____
SEED/PLANTS					
Sweetpotato Plants	thous	32.00	12.0000	384.00	_____
OTHER					
Crate Sweetpotato	each	8.00	2.0000	16.00	_____
Hand Weeding Swt.Pot	acre	20.00	1.0000	20.00	_____
Bin Repair	each	1.50	2.0000	3.00	_____
Sweetpotato Storage	cwt	2.00	112.0000	224.00	_____
Clean, grade, pack	box	2.00	330.0000	660.00	_____
Box Sweetpotato	each	1.43	330.0000	471.90	_____
Sweet Potato Broker	box	1.00	330.0000	330.00	_____
OPERATOR LABOR					
Tractors	hour	11.35	4.0100	45.54	_____
Self-Propelled	hour	11.35	6.2600	71.06	_____
HAND LABOR					
Implements	hour	9.10	6.1296	55.78	_____
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	11.35	2.0540	23.32	_____
DIESEL FUEL					
Tractors	gal	2.39	30.1810	72.15	_____
Self-Propelled	gal	2.39	1.2456	2.98	_____
GASOLINE					
Self-Propelled	gal	2.61	3.1416	8.20	_____
LP GAS					
Self-Propelled	gal	2.50	2.3754	5.94	_____
REPAIR & MAINTENANCE					
Implements	acre	21.71	1.0000	21.71	_____
Tractors	acre	12.92	1.0000	12.92	_____
Self-Propelled	acre	4.29	1.0000	4.29	_____
INTEREST ON OP. CAP.	acre	25.14	1.0000	25.14	_____
TOTAL DIRECT EXPENSES				3272.11	_____
FIXED EXPENSES					
Implements	acre	44.19	1.0000	44.19	_____
Tractors	acre	82.00	1.0000	82.00	_____
Self-Propelled	acre	34.75	1.0000	34.75	_____
TOTAL FIXED EXPENSES				160.94	_____
TOTAL SPECIFIED EXPENSES				3433.05	_____

Note: Cost of production estimates are based on 2010 input prices.
Fertilization decisions should be based on soil tests.

Table 17.C Estimated monthly income and expense flows per acre
 Sweet potatoes
 Mississippi, 2011

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	3.38	40.34	0.00	4.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	23.94	12.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	384.00	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	1688.90	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.35	79.22	1.29	0.25	0.00	517.52	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	6.35	31.58	1.50	0.23	0.00	49.61	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	3.70	12.56	0.67	0.10	0.00	21.89	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	5.60	10.66	0.05	0.28	0.00	8.55	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	264.40	601.40	3.51	25.60	0.00	2377.20	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-264.40	-601.40	-3.51	-25.60	0.00	-2377.20	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-264.40	-865.80	-869.31	-894.91	-894.91	-3272.11	-3272.11	-3272.11	-3272.11	-3272.11	-3272.11	-3272.11

Note: Cost of production estimates are based on 2010 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, 2011

Sweet Potatoes			-----BREAKEVEN PRICE-----										
			8.41	8.84	9.34	9.92	10.61	11.44	12.45	13.71	15.33	17.49	20.52
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	40lb	-1655 -1816	-1590 -1751	-1516 -1676	-1428 -1589	-1325 -1486	-1201 -1362	-1050 -1211	-860 -1021	-617 -778	-293 -454	160 0
60	180.00	40lb	-1474 -1635	-1396 -1557	-1306 -1467	-1201 -1362	-1077 -1238	-929 -1090	-747 -908	-520 -681	-228 -389	160 0	705 545
70	210.00	40lb	-1292 -1453	-1201 -1362	-1096 -1257	-974 -1135	-829 -990	-656 -817	-444 -605	-179 -340	160 0	615 454	1250 1090
80	240.00	40lb	-1110 -1271	-1006 -1167	-887 -1048	-747 -908	-582 -743	-384 -545	-141 -302	160 0	550 389	1069 908	1795 1635
90	270.00	40lb	-929 -1090	-812 -973	-677 -838	-520 -681	-334 -495	-111 -272	160 0	501 340	939 778	1523 1362	2340 2180
100	300.00	40lb	-747 -908	-617 -778	-467 -628	-293 -454	-86 -247	160 0	463 302	842 681	1328 1167	1977 1816	2885 2725
110	330.00	40lb	-565 -726	-422 -583	-258 -419	-66 -227	160 0	433 272	766 605	1182 1021	1718 1557	2431 2270	3430 3270
120	360.00	40lb	-384 -545	-228 -389	-48 -209	160 0	408 247	705 545	1069 908	1523 1362	2107 1946	2885 2725	3975 3815
130	390.00	40lb	-202 -363	-33 -194	160 0	388 227	656 495	978 817	1372 1211	1864 1703	2496 2335	3340 3179	4520 4360
140	420.00	40lb	-20 -181	160 0	370 209	615 454	904 743	1250 1090	1674 1513	2204 2043	2885 2725	3794 3633	5065 4905
150	450.00	40lb	160 0	355 194	580 419	842 681	1151 990	1523 1362	1977 1816	2545 2384	3275 3114	4248 4087	5611 5450

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 2010 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, 2011

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	46.00	15.18	15.18
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	2.25	1.38	0.28	0.50	0.22	2.50				6.91
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Mar	4.06	2.48	0.87	1.90	0.39	4.50				13.81
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Mar	0.86	0.53	0.06	0.24	0.08	0.96				2.65
Amm Nitrate (34%)	cwt											1.1700	18.00	21.06	21.06
Phosphorus(46% P205)	cwt											2.6000	22.00	57.20	57.20
Potash (60% K20)	cwt											2.0000	23.00	46.00	46.00
Disk + Incorporate	10'	2WD 75 hp	0.206	1.00	Mar	2.11	1.29	0.80	1.45	0.30	3.28				8.93
Diazinon AG600	pt											4.0000	5.92	23.68	23.68
Treflan HFP	pt											0.7500	3.11	2.33	2.33
BS, L,T,FumigTomato	Bed 6'cntr	2WD 75 hp	1.078	1.00	Mar	11.03	6.73	3.67	10.85	4.31	41.68				73.96
Plastic Mulch	roll											1.8000	162.00	291.60	291.60
Drip Tape	roll											1.2000	147.50	177.00	177.00
Mythl Bromide 67/33	lb											200.0000	5.90	1180.00	1180.00
Plntr/H2O Tomato	1R 6'cntr	2WD 75 hp	1.718	1.00	Apr	17.58	10.73	2.30	3.90	6.87	66.43				100.94
PLANTING LABOR	hour									30.00	273.00				273.00
Tomato Plants-Hybrid	thous											4.4000	112.00	492.80	492.80
Fert 15-30-15	lb											37.5000	0.23	8.63	8.63
Admire Pro	oz											7.0000	5.57	38.99	38.99
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	9.10				9.10
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Bravo Weather Stick	pt											1.5000	5.69	8.54	8.54
Radiant 1SC	oz											10.0000	4.99	49.90	49.90
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	9.10				9.10
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Radiant 1SC	oz											10.0000	4.99	49.90	49.90
Quadris	oz											5.0000	2.52	12.60	12.60
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									2.00	18.20				18.20
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Quadris	oz											5.0000	2.52	12.60	12.60
Brigade 2EC	oz											6.0000	0.94	5.64	5.64
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.52	1.53	9.34	16.87	0.24	2.79				33.05
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Brigade 2EC	oz											6.0000	0.94	5.64	5.64
Bravo Weather Stick	pt											2.0000	5.69	11.38	11.38
Oberon 2SC	oz											8.0000	4.49	35.92	35.92
Fertigate CAN03/KN03				1.00	May										
FERTIGATION LABOR	hour									1.00	9.10				9.10
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, 2011 (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	91.00				91.00
Wood Stakes	100											44.0000	0.52	22.88	22.88
Plastic string	6000'											4.0000	9.00	36.00	36.00
Fertigate CAN03/KN03				3.00	May										
FERTIGATION LABOR	hour									3.00	27.30				27.30
Calcium Nitrate	lb											90.0000	0.35	31.50	31.50
Sucker Control				1.00	Jun										
HAND LABOR	hour									5.00	45.50				45.50
Fertigate CAN03/KN03				1.00	Jun										
FERTIGATION LABOR	hour									1.00	9.10				9.10
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Bravo Weather Stick	pt											2.0000	5.69	11.38	11.38
Brigade 2EC	oz											6.0000	0.94	5.64	5.64
Fertigate CAN03/KN03				3.00	Jun										
FERTIGATION LABOR	hour									3.00	27.30				27.30
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	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Brigade 2EC	oz											6.0000	0.94	5.64	5.64
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Jul	0.92	0.56	0.05	0.08	0.18	1.84				3.45
CustomHarvest Tomato	box			1.00	Jul							1600.0000	1.00	1600.00	1600.00
5-Gal Bucket	each											200.0000	3.88	776.00	776.00
GRADE & PACK LABOR	hour			1.00	Jul					320.00	2912.00				2912.00
Box Tomato	box											1600.0000	1.79	2864.00	2864.00
Mulch Lifter	1-Row	2WD 75 hp	0.589	1.00	Jul	6.03	3.68	0.13	2.44	0.58	6.69				18.97
LABOR MULCH CLEANUP	hour									15.00	136.50				136.50
Irrigation Setup	acre				Apr								1.0000		371.06
TOTALS						62.48	38.09	73.54	139.45	406.68	3714.61			8494.09	12893.32
INTEREST ON OPERATING CAPITAL															92.58
UNALLOCATED LABOR															13.87
TOTAL SPECIFIED COST															12999.77

Note: Cost of production estimates are based on 2010 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, 2011

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	46.00	0.3300	15.18	_____
Amm Nitrate (34%)	cwt	18.00	1.1700	21.06	_____
Phosphorus(46% P205)	cwt	22.00	2.6000	57.20	_____
Potash (60% K20)	cwt	23.00	2.0000	46.00	_____
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	5.69	5.5000	31.30	_____
Quadris	oz	2.52	10.0000	25.20	_____
HERBICIDE					
Treflan HFP	pt	3.11	0.7500	2.33	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	4.0000	23.68	_____
Admire Pro	oz	5.57	7.0000	38.99	_____
Radiant 1SC	oz	4.99	30.0000	149.70	_____
Brigade 2EC	oz	0.94	24.0000	22.56	_____
Oberon 2SC	oz	4.49	8.0000	35.92	_____
SEED/PLANTS					
Tomato Plants-Hybrid	thous	112.00	4.4000	492.80	_____
OTHER					
Plastic Mulch	roll	162.00	1.8000	291.60	_____
Mythl Bromide 67/33	lb	5.90	200.0000	1180.00	_____
Wood Stakes	100	0.52	44.0000	22.88	_____
Plastic string	6000'	9.00	4.0000	36.00	_____
5-Gal Bucket	each	3.88	200.0000	776.00	_____
Box Tomato	box	1.79	1600.0000	2864.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	147.50	1.2000	177.00	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	11.35	6.1026	69.29	_____
PLANTING LABOR					
Special Labor	hour	9.10	30.0000	273.00	_____
GRADE & PACK LABOR					
Special Labor	hour	9.10	320.0000	2912.00	_____
HAND & STOR LABOR					
Special Labor	hour	9.10	10.0000	91.00	_____
HAND LABOR					
Special Labor	hour	9.10	5.0000	45.50	_____
Implements	hour	9.10	8.5846	78.12	_____
FERTIGATION LABOR					
Special Labor	hour	9.10	12.0000	109.20	_____
LABOR MULCH CLEANUP					
Special Labor	hour	9.10	15.0000	136.50	_____
UNALLOCATED LABOR					
	hour	11.36	1.2205	13.87	_____
DIESEL FUEL					
Tractors	gal	2.39	23.5585	56.34	_____
REPAIR & MAINTENANCE					
Implements	acre	73.54	1.0000	73.54	_____
Tractors	acre	6.14	1.0000	6.14	_____
INTEREST ON OP. CAP.	acre	92.58	1.0000	92.58	_____
TOTAL DIRECT EXPENSES				12451.17	_____
FIXED EXPENSES					
Implements	acre	139.45	1.0000	139.45	_____
Tractors	acre	38.09	1.0000	38.09	_____
Irrigation Setup	acre	371.06	1.0000	371.06	_____
TOTAL FIXED EXPENSES				548.60	_____
TOTAL SPECIFIED EXPENSES				12999.77	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	15.18	124.26	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	21.14	23.98	11.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	2.33	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	138.79	97.10	5.64	5.64	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	492.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	1471.60	0.00	58.88	0.00	3640.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	177.00	450.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.00	54.43	386.43	137.45	85.25	3061.92	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	2.03	16.29	20.40	6.81	2.27	8.54	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.50	7.17	23.20	28.77	9.59	10.45	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.45	33.86	22.83	4.27	1.14	30.03	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	21.16	1910.62	1606.28	399.26	157.27	8356.58	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-21.16	-1910.62	-1606.28	-399.26	-157.27	-8356.58	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-21.16	-1931.78	-3538.06	-3937.32	-4094.59	-12451.17	-12451.17	-12451.17	-12451.17	-12451.17	-12451.17	-12451.17

Note: Cost of production estimates are based on 2010 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, 2011

			-----BREAKEVEN PRICE-----										
Tomatoes			6.34	6.60	6.89	7.23	7.64	8.12	8.71	9.45	10.40	11.67	13.44
PERCENT	YIELD	UNIT	-----dollars-----										
50	800.00	251b	-5131 -5679	-4928 -5476	-4694 -5242	-4421 -4969	-4098 -4647	-3711 -4259	-3237 -3786	-2646 -3194	-1885 -2434	-871 -1419	548 0
60	960.00	251b	-4563 -5111	-4319 -4868	-4038 -4587	-3711 -4259	-3323 -3872	-2859 -3407	-2291 -2839	-1581 -2129	-668 -1217	548 0	2252 1703
70	1120.00	251b	-3995 -4543	-3711 -4259	-3383 -3932	-3001 -3549	-2549 -3098	-2007 -2555	-1344 -1893	-516 -1064	548 0	1968 1419	3956 3407
80	1280.00	251b	-3427 -3975	-3102 -3651	-2728 -3276	-2291 -2839	-1774 -2323	-1155 -1703	-398 -946	548 0	1765 1217	3388 2839	5660 5111
90	1440.00	251b	-2859 -3407	-2494 -3042	-2072 -2621	-1581 -2129	-1000 -1549	-303 -851	548 0	1613 1064	2982 2434	4808 4259	7364 6815
100	1600.00	251b	-2291 -2839	-1885 -2434	-1417 -1966	-871 -1419	-225 -774	548 0	1495 946	2678 2129	4199 3651	6228 5679	9068 8519
110	1760.00	251b	-1723 -2271	-1277 -1825	-762 -1310	-161 -709	548 0	1400 851	2441 1893	3743 3194	5416 4868	7648 7099	10772 10223
120	1920.00	251b	-1155 -1703	-668 -1217	-106 -655	548 0	1323 774	2252 1703	3388 2839	4808 4259	6634 6085	9068 8519	12476 11927
130	2080.00	251b	-587 -1135	-59 -608	548 0	1258 709	2097 1549	3104 2555	4335 3786	5873 5324	7851 7302	10488 9939	14180 13631
140	2240.00	251b	-19 -567	548 0	1203 655	1968 1419	2872 2323	3956 3407	5281 4733	6938 6389	9068 8519	11908 11359	15884 15335
150	2400.00	251b	548 0	1157 608	1859 1310	2678 2129	3646 3098	4808 4259	6228 5679	8003 7454	10285 9736	13328 12779	17587 17039

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 2010 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, 2011

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	46.00	69.00	69.00
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	2.25	1.38	0.28	0.50	0.22	2.50				6.91
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Feb	2.03	1.24	0.43	0.95	0.19	2.25				6.90
BS, Lay/Tape/Melon	Bed 8'cntr	2WD 75 hp	0.808	1.00	Mar	8.27	5.05	2.44	7.22	0.80	9.18				32.16
Plastic Mulch	roll											1.4000	162.00	226.80	226.80
Drip Tape	roll											0.9000	147.50	132.75	132.75
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Mar	0.64	0.39	0.15	0.18	0.09	1.00				2.36
Strategy	pt											2.0000	10.02	20.04	20.04
Plntr/H2O Melon	1R 8'cntr	2WD 75 hp	0.645	1.00	Mar	6.60	4.03	1.16	1.97	2.58	24.93				38.69
Watermelon - Hybrid	thous											1.8000	113.00	203.40	203.40
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	9.10				9.10
Calcium Nitrate	lb											89.0000	0.35	31.15	31.15
Potash (60% K20)	cwt											0.5000	23.00	11.50	11.50
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Assail 30 SG	oz											4.0000	6.66	26.64	26.64
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	9.10				9.10
Calcium Nitrate	lb											89.0000	0.35	31.15	31.15
Potash (60% K20)	cwt											0.5000	23.00	11.50	11.50
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Brigade 2EC	oz											6.0000	0.94	5.64	5.64
Fertigate CAN03/KN03				4.00	Apr										
FERTIGATION LABOR	hour									4.00	36.40				36.40
Calcium Nitrate	lb											356.0000	0.35	124.60	124.60
Potash (60% K20)	cwt											2.0000	23.00	46.00	46.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	5.02	3.07	18.68	33.74	0.49	5.57				66.08
Bravo Weather Stick	pt											3.0000	5.69	17.07	17.07
Quadris	oz											22.0000	2.52	55.44	55.44
Fertigate CAN03/KN03				1.00	May										
FERTIGATION LABOR	hour									1.00	9.10				9.10
Calcium Nitrate	lb											89.0000	0.35	31.15	31.15
Potash (60% K20)	cwt											0.5000	23.00	11.50	11.50
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Bravo Weather Stick	pt											2.0000	5.69	11.38	11.38
Fertigate CAN03/KN03				2.00	May										
FERTIGATION LABOR	hour									2.00	18.20				18.20
Calcium Nitrate	lb											178.0000	0.35	62.30	62.30
Potash (60% K20)	cwt											1.0000	23.00	23.00	23.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jun	2.52	1.53	9.34	16.87	0.24	2.79				33.05
Brigade 2EC	oz											6.0000	0.94	5.64	5.64

(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, 2011(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	3.68	2.25	0.19	0.34	0.72	7.37					13.83
Harvest Labor Melons cwt				1.00	Jun							200.0000	2.00	400.00		400.00
Pallet Crates-1350lb each												20.0000	21.78	435.60		435.60
Plastic Clean Up				1.00	Jun											
Mulch Lifter	1-Row	2WD 75 hp	0.589			6.03	3.68	0.13	2.44	0.58	6.69					18.97
LABOR MULCH CLEANUP	hour									15.00	136.50					136.50
Irrigation Setup	acre				Mar								1.0000			363.68
TOTALS						44.60	27.21	60.82	114.82	30.68	289.05			2443.31		3343.49
INTEREST ON OPERATING CAPITAL																27.36
UNALLOCATED LABOR																9.90
TOTAL SPECIFIED COST																3380.75

Note: Cost of production estimates are based on 2010 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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	46.00	1.5000	69.00	_____
Calcium Nitrate	lb	0.35	801.0000	280.35	_____
Potash (60% K20)	cwt	23.00	4.5000	103.50	_____
FUNGICIDE					
Bravo Weather Stick	pt	5.69	5.0000	28.45	_____
Quadris	oz	2.52	22.0000	55.44	_____
HERBICIDE					
Strategy	pt	10.02	2.0000	20.04	_____
INSECTICIDE					
Assail 30 SG	oz	6.66	4.0000	26.64	_____
Brigade 2EC	oz	0.94	12.0000	11.28	_____
SEED/PLANTS					
Watermelon - Hybrid	thous	113.00	1.8000	203.40	_____
OTHER					
Plastic Mulch	roll	162.00	1.4000	226.80	_____
Harvest Labor Melons	cwt	2.00	200.0000	400.00	_____
Pallet Crates-1350lb	each	21.78	20.0000	435.60	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	147.50	0.9000	132.75	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	11.35	4.3578	49.47	_____
HAND LABOR					
Implements	hour	9.10	2.3268	21.18	_____
FERTIGATION LABOR					
Special Labor	hour	9.10	9.0000	81.90	_____
LABOR MULCH CLEANUP					
Special Labor	hour	9.10	15.0000	136.50	_____
UNALLOCATED LABOR	hour	11.35	0.8715	9.90	_____
DIESEL FUEL					
Tractors	gal	2.39	16.8230	40.22	_____
REPAIR & MAINTENANCE					
Implements	acre	60.82	1.0000	60.82	_____
Tractors	acre	4.38	1.0000	4.38	_____
INTEREST ON OP. CAP.	acre	27.36	1.0000	27.36	_____
TOTAL DIRECT EXPENSES				2875.04	_____
FIXED EXPENSES					
Implements	acre	114.82	1.0000	114.82	_____
Tractors	acre	27.21	1.0000	27.21	_____
Irrigation Setup	acre	363.68	1.0000	363.68	_____
TOTAL FIXED EXPENSES				505.71	_____
TOTAL SPECIFIED EXPENSES				3380.75	_____

Note: Cost of production estimates are based on 2010 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, 2011

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	69.00	0.00	42.65	213.25	127.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	83.89	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	32.28	0.00	5.64	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	203.40	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	835.60	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	582.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	5.70	47.65	52.20	37.33	156.07	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	0.00	3.86	13.99	4.54	6.80	11.03	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.13	5.27	19.18	28.76	10.86	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.49	0.19	16.50	3.47	2.05	3.66	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	70.49	10.88	1159.11	324.92	286.78	1022.86	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-70.49	-10.88	-1159.11	-324.92	-286.78	-1022.86	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-70.49	-81.37	-1240.48	-1565.40	-1852.18	-2875.04	-2875.04	-2875.04	-2875.04	-2875.04	-2875.04	-2875.04

Note: Cost of production estimates are based on 2010 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, 2011

			-----BREAKEVEN PRICE-----										
Watermelons			11.93	12.64	13.46	14.42	15.54	16.90	18.55	20.62	23.28	26.83	31.80
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	cwt	-1480 -1986	-1409 -1915	-1327 -1833	-1232 -1737	-1119 -1625	-983 -1489	-818 -1324	-611 -1117	-345 -851	9 -496	505 0
60	120.00	cwt	-1281 -1787	-1196 -1702	-1098 -1604	-983 -1489	-848 -1354	-686 -1191	-487 -993	-239 -744	80 -425	505 0	1101 595
70	140.00	cwt	-1083 -1588	-983 -1489	-869 -1375	-735 -1241	-577 -1083	-388 -893	-156 -662	133 -372	505 0	1002 496	1697 1191
80	160.00	cwt	-884 -1390	-771 -1276	-640 -1145	-487 -993	-306 -812	-90 -595	174 -331	505 0	931 425	1498 993	2293 1787
90	180.00	cwt	-686 -1191	-558 -1064	-411 -916	-239 -744	-35 -541	207 -297	505 0	878 372	1356 851	1995 1489	2889 2383
100	200.00	cwt	-487 -993	-345 -851	-181 -687	9 -496	234 -270	505 0	836 331	1250 744	1782 1276	2491 1986	3485 2979
110	220.00	cwt	-288 -794	-132 -638	47 -458	257 -248	505 0	803 297	1167 662	1622 1117	2208 1702	2988 2482	4080 3575
120	240.00	cwt	-90 -595	80 -425	276 -229	505 0	776 270	1101 595	1498 993	1995 1489	2633 2128	3485 2979	4676 4171
130	260.00	cwt	108 -397	292 -212	505 0	753 248	1047 541	1399 893	1829 1324	2367 1862	3059 2553	3981 3475	5272 4766
140	280.00	cwt	307 -198	505 0	734 229	1002 496	1318 812	1697 1191	2160 1655	2740 2234	3485 2979	4478 3972	5868 5362
150	300.00	cwt	505 0	718 212	964 458	1250 744	1589 1083	1995 1489	2491 1986	3112 2606	3910 3404	4974 4468	6464 5958

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 2010 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, 2011

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	29,300	600	8	2.57	11.35	6.15	0.91	18.41	5.69	24.11
Tractor (40-59hp)CB	MFWD 50 hp	31,900	600	8	2.57	11.35	6.15	0.99	18.49	6.20	24.70
Tractor (40-59hp)RB	2WD 50 hp	22,500	600	8	2.57	11.35	6.15	0.70	18.20	4.37	22.58
Tractor (40-59hp)RB	MFWD 50 hp	26,600	600	8	2.57	11.35	6.15	0.83	18.33	5.17	23.50
Tractor (60-89hp)CB	2WD 75 hp	40,100	600	8	3.86	11.35	9.22	1.25	21.82	7.80	29.63
Tractor (60-89hp)CB	MFWD 75 hp	43,900	600	8	3.86	11.35	9.22	1.37	21.94	8.53	30.48
Tractor (60-89hp)RB	2WD 75 hp	32,100	600	8	3.86	11.35	9.22	1.00	21.57	6.24	27.82
Tractor (60-89hp)RB	MFWD 75 hp	35,900	600	8	3.86	11.35	9.22	1.12	21.69	6.98	28.68
Tractor(120-139hp)CB	MFWD 130	85,400	600	8	6.69	11.35	15.99	2.66	30.01	16.61	46.62
Tractor(160-179hp)CB	MFWD 170	128,400	600	8	8.75	11.35	20.91	4.01	36.27	26.07	62.35
Utility Vehicle	600CC	9,500	200	8	0.50	11.35	1.30	1.48	14.13	6.03	20.17

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, 2011

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		32,900	1000	10	1.07	2.220	25.19	5.93	1.38	32.52	8.55	41.07
Sprayer 110 gal	30' 47hp	44,000	350	6	2.14	0.035	0.56	0.18	0.11	0.85	0.69	1.54
Sprayer(300-450GAL)	60'	96,400	350	8	5.66	0.017	0.28	0.23	0.09	0.60	0.61	1.22
Truck	1 ton +	41,000	780	5	0.72	1.730	19.63	2.97	1.27	23.88	16.40	40.29
Truck	1/2 ton	24,400	1040	5	1.36	2.310	26.21	8.19	1.62	36.04	9.77	45.82
Utility Vehicle	800CC	10,800	200	8	0.70	0.249	2.83	0.45	0.42	3.71	1.71	5.43

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. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2011

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		
			dollars	hours	years	hr/acre	-----\$/acre-----							
Bd Shaper Cucumber	Bed 4'cntr	2WD 75 hp	2,544	81	16	1.617	18.36	14.92	1.52	1.62	36.43	4.50	10.10	51.03
Bd Shaper Melons	Bed 8'cntr	2WD 75 hp	2,544	40	16	0.808	9.18	7.46	1.54	0.81	18.99	4.56	5.05	28.61
Bd Shaper Squash	Bed 5'cntr	2WD 75 hp	2,544	65	16	1.294	14.68	11.93	1.51	1.29	29.44	4.49	8.08	42.01
Bd Shaper Tomato	Bed 6'cntr	2WD 75 hp	2,544	54	16	1.078	12.24	9.94	1.52	1.08	24.79	4.50	6.73	36.03
Bd Shaper/LayCucumber	Bed 4'cntr	2WD 75 hp	3,759	81	16	1.617	33.08	14.92	2.25	1.62	51.88	6.65	10.10	68.63
Bd Shaper/LayMelon	Bed 8'cntr	2WD 75 hp	3,759	40	16	0.808	16.54	7.46	2.28	0.81	27.09	6.74	5.05	38.88
Bd Shaper/LaySquash	Bed 5'cntr	2WD 75 hp	3,759	65	16	1.294	26.46	11.93	2.24	1.29	41.94	6.63	8.08	56.66
Bd Shaper/LayTomato	Bed 6'cntr	2WD 75 hp	3,759	54	16	1.078	22.05	9.94	2.25	1.08	35.33	6.65	6.73	48.72
Bd Shaper/P-bdCucumb	Bed 4'cntr	2WD 75 hp	10,200	81	16	1.617	18.36	14.92	6.11	1.62	41.01	18.31	10.10	69.43
Bd Shaper/P-bdMelon	Bed 8'cntr	2WD 75 hp	10,200	40	16	0.808	9.18	7.46	6.18	0.81	23.64	18.54	5.05	47.23
Bd Shaper/P-bdSquash	Bed 5'cntr	2WD 75 hp	10,200	65	16	1.294	14.68	11.93	6.09	1.29	34.01	18.25	8.08	60.35
Bd Shaper/P-bdTomato	Bed 6'cntr	2WD 75 hp	10,200	54	16	1.078	12.24	9.94	6.11	1.08	29.38	18.31	6.73	54.43
Bd Shaper3XCucumber	Bed 4'cntr	2WD 75 hp	5,478	81	16	1.617	33.08	14.92	3.28	1.62	52.91	9.61	10.10	72.62
Bd Shaper3XMelon	Bed 8'cntr	2WD 75 hp	5,478	40	16	0.808	16.54	7.46	3.32	0.81	28.13	9.73	5.05	42.92
Bd Shaper3XSquash	Bed 5'cntr	2WD 75 hp	5,478	65	16	1.294	26.46	11.93	3.27	1.29	42.97	9.58	8.08	60.63
Bd Shaper3XTomato	Bed 6'cntr	2WD 75 hp	5,478	54	16	1.078	22.05	9.94	3.28	1.08	36.36	9.61	6.73	52.71
BS, L,T,FumigTomato	Bed 6'cntr	2WD 75 hp	6,125	54	16	1.078	41.68	9.94	3.66	1.08	56.38	10.84	6.73	73.96
BS, L,T,Fung BPepper	Bed 6'cntr	2WD 75 hp	6,125	54	16	1.078	41.68	9.94	3.66	1.08	56.38	10.84	6.73	73.96
BS, Lay/Tape BPepper	Bed 6'cntr	2WD 75 hp	4,025	54	16	1.078	12.24	9.94	2.41	1.08	25.68	7.12	6.73	39.54
BS, Lay/Tape/Melon	Bed 8'cntr	2WD 75 hp	4,025	40	16	0.808	9.18	7.46	2.44	0.81	19.89	7.21	5.05	32.16
BS, Lay/Tape/Pumpkin	Bed 8'cntr	2WD 75 hp	4,025	40	16	0.808	0.91	0.74	0.24	0.08	1.98	0.72	0.50	3.21
BS, Lay/Tape/Squash	Bed 5'cntr	2WD 75 hp	4,025	65	16	1.294	14.68	11.93	2.40	1.29	30.33	7.10	8.08	45.51
BS, Lay/Tape/Tomato	Bed 6'cntr	2WD 75 hp	4,025	54	16	1.078	12.24	9.94	2.41	1.08	25.68	7.12	6.73	39.54
BS,Lay/Tape/Cucumber	Bed 4'cntr	2WD 75 hp	4,025	81	16	1.617	18.36	14.92	2.41	1.62	37.31	7.12	10.10	54.54
Chain Harrow		600CC	534	100	1	0.343	3.90	0.44	0.01	0.51	4.87	1.91	2.07	8.87
Chisel Plow	7'	2WD 75 hp	3,500	150	12	0.220	2.50	2.03	0.27	0.22	5.03	0.50	1.37	6.91
Chisel Plow Folding	16'	MFWD 170	19,900	150	12	0.116	1.32	2.43	0.83	0.46	5.07	1.51	3.04	9.62
Cult - Rolling	2-Row	2WD 75 hp	3,105	47	27	0.310	3.52	2.86	0.30	0.31	7.00	1.41	1.93	10.36
Cult - Rolling	4-Row	2WD 75 hp	5,520	25	27	0.165	1.87	1.52	0.54	0.16	4.10	2.52	1.03	7.65
Cult - Rolling+Fert	2-Row	2WD 75 hp	6,155	31	27	0.310	3.52	2.86	0.91	0.31	7.61	4.25	1.93	13.81
Cult - Rolling+Fert	4-Row	2WD 75 hp	10,115	17	27	0.165	2.62	1.52	1.45	0.16	5.77	6.79	1.03	13.59
Cult - Rotary Hoe	12'	2WD 75 hp	4,870	32	27	0.214	2.43	1.98	0.48	0.21	5.12	2.25	1.34	8.72
Cult - Rotary Hoe	15'	2WD 75 hp	4,444	26	27	0.171	1.95	1.58	0.43	0.17	4.14	2.02	1.07	7.24
Cultipacker	12'	2WD 75 hp	5,020	300	12	0.124	1.41	1.14	0.14	0.12	2.83	0.20	0.77	3.81
Cultivate	1-Row	2WD 75 hp	1,283	110	27	0.589	6.68	5.43	0.10	0.59	12.81	0.47	3.67	16.97
Cultivate	2-Row	2WD 75 hp	1,332	59	27	0.312	3.54	2.88	0.10	0.31	6.84	0.48	1.95	9.28
Cultivate	4-Row	2WD 75 hp	1,426	29	10	0.155	1.76	1.43	0.30	0.15	3.65	0.83	0.96	5.45
Cultivate - Heavy	4R-38	2WD 50 hp	9,440	150	10	0.155	1.76	0.95	0.39	0.10	3.21	1.06	0.67	4.95
Cultivate - Heavy	8R-42	MFWD 130	19,600	150	10	0.073	0.83	1.17	0.38	0.19	2.59	1.05	1.22	4.87
Cultivate+App Herb	4-Row	2WD 75 hp	1,976	150	10	0.193	3.08	1.78	0.10	0.19	5.16	0.27	1.21	6.65
Cultivate+App Ins	2-Row	2WD 75 hp	1,882	150	10	0.390	6.21	3.60	0.19	0.39	10.40	0.53	2.43	13.37
Cultivate+App Ins	4-Row	2WD 75 hp	1,976	150	10	0.193	3.08	1.78	0.10	0.19	5.16	0.27	1.21	6.65
Cultivate+Sidedress	2-Row	2WD 75 hp	3,061	39	27	0.390	6.21	3.60	0.45	0.39	10.66	2.11	2.43	15.21
Cultivate+Sidedress	4-Row	2WD 75 hp	4,739	19	27	0.193	3.08	1.78	0.71	0.19	5.78	3.33	1.21	10.33
Disc Mower	10'	2WD 75 hp	10,658	200	8	0.206	2.34	1.90	1.37	0.20	5.82	1.56	1.28	8.67
Disk + Incorporate	10'	2WD 75 hp	12,858	200	10	0.206	3.27	1.90	0.79	0.20	6.18	1.45	1.28	8.92
Disk + Incorporate	14'	2WD 75 hp	25,600	200	10	0.147	2.34	1.35	1.13	0.14	4.98	2.06	0.91	7.96
Disk Bed	2-Row	2WD 75 hp	4,449	160	10	0.284	3.22	2.62	0.23	0.28	6.36	0.95	1.77	9.09
Disk Bed	4-Row	2WD 75 hp	6,495	160	10	0.140	1.60	1.30	0.22	0.14	3.27	0.62	0.88	4.77
Disk Bed (Hipper)	8R-40	MFWD 130	15,300	160	10	0.070	0.80	1.12	0.26	0.18	2.38	0.73	1.17	4.29
Disk Bed + Spray PD	8R-40	MFWD 130	22,290	160	10	0.070	0.80	1.12	0.39	0.18	2.50	1.07	1.17	4.75
Disk Bed +App Fert	4-Row	2WD 75 hp	9,807	160	10	0.140	2.24	1.30	0.34	0.14	4.02	0.94	0.88	5.85
Disk Harrow	10'	2WD 75 hp	7,868	180	10	0.198	2.25	1.82	0.43	0.19	4.71	0.94	1.23	6.89
Disk Harrow	14'	2WD 75 hp	20,600	180	10	0.141	1.60	1.30	0.81	0.14	3.86	1.77	0.88	6.52
Disk Harrow	24'	MFWD 170	33,100	180	10	0.082	0.93	1.72	0.75	0.33	3.75	1.66	2.15	7.57
Disk Harrow-Hvy Duty	5'	2WD 75 hp	1,694	180	10	0.412	4.68	3.80	0.19	0.41	9.09	0.42	2.57	12.09
Ditcher		2WD 50 hp	4,390	200	10	0.020	0.22	0.12	0.03	0.01	0.39	0.04	0.08	0.53
Fert-Cyclone Spin	750 lb	2WD 75 hp	1,000	50	8	0.084	0.95	0.77	0.06	0.08	1.87	0.23	0.52	2.64
Fert-Side Dresser	1R 3'	2WD 75 hp	1,973	42	10	0.846	9.60	7.80	1.19	0.84	19.45	4.81	5.28	29.54
Fert-Side Dresser	2R 6'	2WD 75 hp	5,065	21	10	0.423	4.80	3.90	3.06	0.42	12.19	12.34	2.64	27.18
Fert-Side Dresser	4R-40	2WD 75 hp	10,263	10	10	0.195	2.21	1.80	6.01	0.19	10.22	24.25	1.21	35.69
Fert-Sprd Pull Type	6'	2WD 75 hp	3,475	10	10	0.392	4.45	3.62	4.09	0.39	12.57	16.52	2.45	31.54
Fert-Sprd Pull Type	8'	2WD 75 hp	3,750	15	10	0.294	3.34	2.71	2.20	0.29	8.56	8.91	1.83	19.32
Fert-Sprd Pull Type	10'	2WD 75 hp	3,995	12	10	0.235	2.67	2.17	2.35	0.23	7.44	9.49	1.47	18.40
Fert-Sprd Pull Type	12'	2WD 75 hp	4,285	10	10	0.196	2.22	1.81	2.52	0.19	6.76	10.18	1.22	18.17
Front End Loader	.5yd	2WD 75 hp	5,822	100	10	0.600	6.81	5.53	1.04	0.60	13.99	4.36	3.74	22.10
Harvester, Swt. Potato	2 Row	MFWD 170	29,500	300	15	1.011	66.67	21.14	5.83	4.05	97.71	9.23	26.36	133.31
Mulch Lifter	1-Row	2WD 75 hp	1,900	29	30	0.589	6.68	5.43	0.12	0.59	12.84	2.44	3.67	18.96
Mule Train (Corn)	30'	MFWD 75 hp	69,900	12	25	0.229	69.33	2.11	13.34	0.25	85.05	89.07	1.60	175.73
Picker Beans/Peas	1-Row	2WD 75 hp	34,600	179	10	3.571	105.53	32.95	48.32	3.58	190.39	37.96	22.30	250.66
Picker Corn	1-Row	2WD 75 hp	42,000	42	10	0.840	9.53	7.75	25.21	0.84	43.34	46.21	5.24	94.81

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2011 (continued)

Item Name	Size	Power Unit	Purchase	Annual	Useful	Perf	Labor	Fuel	---R&M---		Total	--Fixed--		Total	
			Price	Use	Life	Rate			Imp.	P.U.	Direct	Imp.	P.U.	Cost	
			dollars	hours	years	hr/ac	-----\$/acre-----								
Plastic Layer Melon	Bed 8'cntr	2WD 75 hp	2,310	40	16	0.808	9.18	7.46	1.40	0.81	18.85	4.14	5.05	28.04	
Plastic Layer Squash	Bed 5'cntr	2WD 75 hp	2,310	65	16	1.294	14.68	11.93	2.29	1.29	30.22	4.07	8.08	42.38	
Plastic Layer Tomato	Bed 6'cntr	2WD 75 hp	2,310	54	16	1.078	12.24	9.94	2.30	1.08	25.57	4.09	6.73	36.40	
Plastic Lyr Cucumber	Bed 4'cntr	2WD 75 hp	2,310	81	16	1.617	18.36	14.92	2.30	1.62	37.21	4.09	10.10	51.40	
Plntr - Vacuum	1-Row	2WD 75 hp	4,550	53	18	1.057	12.00	9.75	4.54	1.06	27.36	7.55	6.60	41.52	
Plntr - Vacuum	2-Row	2WD 75 hp	7,037	20	18	0.396	4.50	3.65	6.97	0.39	15.53	11.60	2.47	29.61	
Plntr - Vacuum	4-Row	2WD 75 hp	15,165	11	18	0.226	2.57	2.09	15.62	0.22	20.51	25.98	1.41	47.91	
Plntr - Vacuum+Ins	1-Row	2WD 75 hp	5,345	53	18	1.057	12.00	9.75	5.33	1.06	28.15	8.86	6.60	43.63	
Plntr - Vacuum+Ins	2R 30-40	2WD 75 hp	8,400	20	18	0.396	4.50	3.65	8.32	0.39	16.88	13.85	2.47	33.21	
Plntr - Vacuum+Ins	4R 30-40	2WD 75 hp	16,485	11	18	0.226	2.57	2.09	16.98	0.22	21.87	28.24	1.41	51.53	
Plntr - Vacuum+Ins	Bed 4'cntr	2WD 75 hp	5,345	40	18	0.793	9.00	7.31	5.30	0.79	22.41	8.81	4.95	36.18	
Plntr - Vacuum+Ins	Bed 5'cntr	2WD 75 hp	5,345	32	18	0.634	7.20	5.85	5.29	0.63	18.99	8.81	3.96	31.77	
Plntr - Vacuum+Ins	Bed 6'cntr	2WD 75 hp	5,345	26	18	0.528	6.00	4.87	5.43	0.53	16.84	9.04	3.30	29.19	
Plntr - Vacuum+Ins	Bed 8'cntr	2WD 75 hp	5,345	20	18	0.396	4.50	3.65	5.29	0.39	13.85	8.81	2.47	25.14	
Plntr/H2O Cucumber	1R 4'cntr	2WD 75 hp	2,305	129	17	2.578	99.64	23.78	2.30	2.58	128.32	3.89	16.09	148.31	
Plntr/H2O Cucumber	2R 4'cntr	2WD 75 hp	4,999	129	17	1.289	73.28	11.89	2.49	1.29	88.96	4.22	8.04	101.24	
Plntr/H2O Melon	1R 8'cntr	2WD 75 hp	2,305	64	17	0.645	24.93	5.95	1.16	0.64	32.69	1.96	4.02	38.69	
Plntr/H2O Melon	2R 8'cntr	2WD 75 hp	4,999	64	17	0.644	36.64	5.94	2.51	0.64	45.75	4.26	4.02	54.03	
Plntr/H2O Squash	1R 5'cntr	2WD 75 hp	2,305	103	17	2.062	79.71	19.02	2.30	2.06	103.12	3.90	12.87	119.90	
Plntr/H2O Squash	2R 5'cntr	2WD 75 hp	4,999	103	17	1.031	58.62	9.51	2.50	1.03	71.67	4.23	6.43	82.35	
Plntr/H2O Tomato	1R 6'cntr	2WD 75 hp	2,305	86	17	1.718	66.42	15.85	2.30	1.72	86.31	3.89	10.73	100.94	
Plntr/H2O Tomato	2R 6'cntr	2WD 75 hp	4,999	86	17	0.859	48.85	7.92	2.49	0.86	60.14	4.22	5.36	69.73	
Plntr/H2O Wheel	2-Row	2WD 75 hp	4,999	74	17	1.473	83.75	13.59	4.97	1.47	103.79	8.42	9.19	121.42	
Plntr/H2O/pnch/seed	1-Row	2WD 75 hp	4,315	129	17	2.578	52.72	23.78	4.31	2.58	83.40	7.29	16.09	106.80	
Plntr/H2O/pnch/seed	2R 18-60	2WD 75 hp	12,945	129	17	1.586	32.44	14.63	7.96	1.59	56.63	13.47	9.90	80.01	
Plntr/Transplant-H2O	4R 36-48	2WD 75 hp	13,395	34	17	0.687	64.10	6.34	0.31	0.68	71.46	22.82	4.29	98.57	
Plntr/Transplanter	1-Row	2WD 75 hp	2,393	31	19	1.586	61.32	14.63	0.12	1.59	77.67	9.90	9.90	97.48	
Plntr/Transplanter	4R 36-48	2WD 75 hp	16,618	300	19	0.687	64.10	6.34	0.04	0.68	71.18	3.07	4.29	78.55	
Plntr/Transplanter	8R-42	MFWD 170	26,692	150	19	0.333	57.11	6.97	0.06	1.33	65.48	4.79	8.69	78.97	
Rotary Cutter	7'	2WD 75 hp	3,920	185	10	0.169	1.92	1.56	0.53	0.16	4.19	0.39	1.05	5.64	
Rotary Tiller	5'	2WD 75 hp	1,908	49	18	0.970	11.01	8.95	2.64	0.97	23.59	3.12	6.06	32.78	
Spray (Broadcast)	27'	2WD 50 hp	4,990	200	8	0.062	0.99	0.38	0.14	0.04	1.57	0.18	0.27	2.02	
Spray (Broadcast)	60'	MFWD 130	9,580	200	8	0.028	0.44	0.45	0.12	0.07	1.10	0.15	0.46	1.72	
Sprayer Air Blast	16' 100 ga	2WD 75 hp	9,131	12	16	0.245	2.78	2.26	9.34	0.24	14.64	16.87	1.53	33.04	
Sprayer Air Blast	16' 200 ga	2WD 75 hp	13,509	12	16	0.245	2.78	2.26	13.82	0.24	19.11	24.96	1.53	45.61	
Stalk Shredder-Flail	15'	2WD 50 hp	18,068	185	10	0.110	1.25	0.68	0.43	0.07	2.45	1.31	0.48	4.24	
Sub-Soiler	1 shank	2WD 75 hp	585	54	23	1.078	12.24	9.94	0.35	1.08	23.62	0.87	6.73	31.22	
Sub-Soiler	2 shank	2WD 75 hp	1,681	20	23	0.404	4.59	3.73	1.01	0.40	9.74	2.53	2.52	14.80	
Take Up Reel (M&T)	1-Row	2WD 75 hp	3,244	42	10	0.588	6.67	5.42	1.36	0.59	14.05	5.53	3.67	23.26	
Take Up Reel (Mulch)	1-Row	2WD 75 hp	1,395	42	10	0.588	6.67	5.42	0.58	0.59	13.27	2.37	3.67	19.33	
Trailer - Snap Bean	16'	2WD 75 hp	2,020	179	15	3.571	73.03	32.95	2.14	3.58	111.71	3.74	22.30	137.76	
Trailer - Vegetables	16'	2WD 75 hp	2,020	200	15	0.090	1.84	0.83	0.04	0.09	2.80	0.08	0.56	3.45	
Trailer Utility	10'	2WD 50 hp	1,065	200	15	0.600	6.81	3.69	0.08	0.42	11.00	0.29	2.62	13.93	
Trailer Water	10'	2WD 50 hp	1,691	150	10	0.600	6.81	3.69	0.27	0.42	11.19	0.81	2.62	14.63	
Trailer(MuleTrn)Corn	16'	2WD 75 hp	2,020	12	15	0.229	6.77	2.11	2.05	0.22	11.17	3.58	1.43	16.18	
Trailer-Lima/B. Bean	16'	2WD 75 hp	2,020	179	15	3.571	73.03	32.95	2.14	3.58	111.71	3.74	22.30	137.76	
Trailer-Southern Pea	16'	2WD 75 hp	2,020	179	15	3.571	73.03	32.95	2.14	3.58	111.71	3.74	22.30	137.76	
Trailer-Sweet Potato	16'	MFWD 130	2,020	12	15	0.598	6.79	9.57	5.37	1.59	23.34	9.36	9.94	42.66	

Notes:

Labor: Includes labor from Power unit plus additional labor from the implement.

Total Direct: Does not include interest on operating capital.

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2011

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
ADJUVANT			Glyphosate 3lbs a.e.	pt	1.75
Crop oil Conc. (Veg)	pt	3.33	Glyphosate 3lbs a.e.	oz	0.11
CUSTOM			Glystar Plus	pt	1.69
Contract Plt BPepper	1000pl	13.75	Goal 2XL	pt	9.58
Custom Apply Fert	acre	9.00	Gramonone Inteon	oz	0.25
Custom Haul Swt. Pot	acre	70.00	Gramoxone Max	pt	4.97
Custom Skid Loader-2	acre	13.63	Guardsman Max	pt	5.74
CustomHarvest Tomato	box	1.00	Lasso 4EC	qt	6.60
Fuel Skid Loader (2)	acre	7.10	Lorox 50 DF	lb	18.23
Scouting Sweetpotato	acre	15.00	Outlook	pt	21.29
Site Prep w/Dozer	acre	213.00	Permit 75DF	oz	19.00
Trapping	acre	1.00	Poast 1.53	pt	9.47
FERTILIZER			Prefar 4E	pt	7.75
Amm Nitrate (34%)	cwt	18.00	Princep 4L	pt	3.18
Amm. Sulfate(21%N)	lb	0.14	Roundup Original Max	oz	0.45
Boron (15G Sol)	lb	0.42	Roundup Original Max	pt	7.25
Calcium Nitrate	lb	0.35	Roundup Power Max	pt	4.14
Fert 13-13-13	cwt	15.43	Roundup Power Max	oz	0.26
Fert 15-30-15	lb	0.23	Roundup WeatherMax	pt	4.43
Fert 5-20-30+S+B	cwt	27.61	Roundup WeatherMax	oz	0.28
Lime (Spread)	ton	46.00	Sandea	oz	38.45
Phosphorus(46% P205)	cwt	22.00	Select 2EC	oz	1.53
Potash (60% K20)	cwt	23.00	Solicam DF	lb	22.02
FUNGICIDE			Stinger	oz	3.81
Basic Copper Sulfate	lb	4.37	Strategy	pt	10.02
Botran 75W	lb	17.88	Surflan AS	qt	12.64
Bravo Weather Stick	pt	5.69	Treflan HFP	pt	3.11
Cabrio	oz	2.14	Valor SX	oz	4.72
Captan 50 WP	lb	5.62	INSECTICIDE		
Chaleau WDG	oz	5.75	Admire Pro	oz	5.57
Dithane Rainshield	lb	2.54	Agri-Mek 15EC	oz	2.63
Elevate 50 WDG	lb	35.55	Ambush 25WP	lb	10.50
Headline	oz	2.60	Asana XL	oz	0.68
Kocide	lb	3.54	Assail 30 SG	oz	6.66
Kocide 2000	lb	5.12	Azatin EC	oz	4.69
Kocide 3000	lb	7.49	Brigade 2EC	oz	0.94
Maneb 75 DF	lb	2.65	Brigade WSB	lb	21.00
Manex	qt	4.26	Capture 2EC	oz	1.50
Manzate FL	pt	4.60	Confirm 2F	oz	1.62
Manzate ProsticK	lb	3.48	Diazinon AG600	pt	5.92
Mertect 340-F	oz	2.43	Dimethoate 4EC	pt	5.88
Neem Oil	pt	13.32	Dipel ES	pt	4.56
Nova 40W	oz	4.00	Endosulfan 3EC	pt	3.75
Previcur Flex	oz	0.65	Gaucho 600	oz	6.56
Pristine	oz	3.75	Guthion 50WSP	lb	10.19
Procure 480SC	oz	2.93	Imidan 70 WSB	lb	9.60
Quadris	oz	2.52	K-Pam HL	gal	8.06
Ridomil Gold BravoSC	oz	0.72	Lannate LV	pt	8.81
Ridomil Gold MZ	lb	12.46	Lorsban 15G	lb	1.80
Ridomil Gold SL	oz	6.22	Lorsban 4E	pt	6.20
Telone II	pt	2.12	Malathion 57EC	pt	4.23
Terraclor 75WP	lb	6.89	Malathion 5E	pt	4.09
Tilt	oz	2.15	Mustang Max	oz	1.30
Topsin 4.5L	oz	0.56	Oberon 2SC	oz	4.49
HERBICIDE			Orthene 90 S	lb	3.25
Accent DF 75%	oz	36.35	Penncap-M	pt	3.50
Alanap	pt	4.66	Poncho	oz	0.62
Assure 1l	oz	1.08	Provado 1.6	oz	1.94
Atrazine 4L	pt	2.10	Pyrethrins	oz	3.12
Basagran	pt	12.16	Radiant 1SC	oz	4.99
Bicep II Magnum	pt	5.29	Sevin XLR Plus	qt	10.56
Bicep 1l	pt	4.00	Spintor 2SC	oz	5.34
Command 3ME	pt	15.45	Thionex 3EC	pt	3.47
Curbit EC	pt	6.30	IRRIGATION SUPPLIES		
Dacthal W-75	lb	16.79	Adapter(Reg to Head)	1 1/2"	3.23
Dual II Magnum	pt	13.26	Barb Lock Sleeve	1/4"	0.45
Dual Magnum	pt	12.64	Cost of PumpingWater	6" in	24.00
Eptam 7E	pt	4.87	Coupler	5/8"	0.58
Fusilade DX	oz	1.46	Drip Tape	roll	147.50

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi 2011 (continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
End Plug for Header	1 1/2"	1.60	Labor(Packing)	each	0.75
Feeder Tube	ft	0.08	Marketing Fee	box	1.00
Fertigation System	each	181.50	Midas 50/50	lb	9.00
Header Line 1 1/2"	ft	0.23	Mythl Bromide 67/33	lb	5.90
Hole Punch	1/4"	6.50	Pallet Crates-1350lb	each	21.78
Hose Clamp	1 1/2"	0.70	Plastic Mulch	roll	162.00
Pressure Regulator	12 PSI	30.00	Plastic string	6000'	9.00
PVC Female Adaptor	1 1/2"	3.23	Sacks - S Peas	each	0.36
PVC Fitting (adpt)	1 1/2"	1.00	Soil Test	each	6.00
PVC Fitting (bush)	1 1/2"	1.94	Soil Test Probe	each	75.00
Rural Water	ac-in	75.01	Sweet Potato Broker	box	1.00
Transfer Barb	1/4"	0.25	Sweetpotato Storage	cwt	2.00
Y Filter	1"	18.00	Wood Stakes	100	0.52
OTHER			SEED/PLANTS		
15g tub Bell Pepper	each	7.50	Broccoli Plants	thous	40.00
5-Gal Bucket	each	3.88	Broccoli - Hybrid	lb	1234.00
Bin Repair	each	1.50	Cabbage Plants	thous	32.00
Bin Sweetpotato	each	75.00	Cabbage - Hybrid	lb	370.00
Bin Vegetable	each	75.00	Collard Seed - OP	lb	9.00
Bins/Stacking	each	2.00	Collard Seed -Hybrid	lb	244.00
Box Cabbage	each	2.38	Cucumber - Hybrid	lb	107.00
Box Sweetpotato	each	1.43	Greens - Hybrid	lb	105.00
Box Tomato	box	1.79	Greens - OP	lb	9.00
Boxes-Waxed	each	1.62	Lima Bean - Hybrid	lb	4.00
Bushel Box	each	1.44	Mustard Seed -Hybrid	lb	24.00
Clean, grade, pack	box	2.00	Okra - Hybrid	lb	187.00
Clean, grade, pack	lb	0.01	Okra - OP	lb	8.00
Cooling Box - Greens	box	0.25	Pepper Plants	100plt	10.00
Cooling Snap Beans	bu box	0.75	Peppers	lb	3959.00
CoolingBox S.Cabbage	box	0.25	Pumpkin Seed Hybrid	lb	81.00
Crate Sweetpotato	each	8.00	Snap Beans - Hybrid	lb	6.00
Crates - Sweet Corn	each	2.20	Southern Peas - OP	lb	4.00
Grd & Pack S.Cabbage	box	1.40	Squash - Hybrid	lb	129.00
Hand Weeding Swt.Pot	acre	20.00	Sweet Corn - Hybrid	lb	14.00
Harv.Labor S.Cabbage	box	1.35	Sweetpotato Plants	thous	32.00
Harvest Labor Melons	cwt	2.00	Tomato - Hybrid	lb	7252.00
Harvest Labor Pepper	bu	0.70	Tomato Plants-Hybrid	thous	112.00
Ice	cwt	7.10	Turnip - Hybrid	lb	46.00
Ice + Cooling	crate	0.70	Turnip Seed - OP	lb	10.00
Ice + Cooling	box	0.75	Watermelon - Hybrid	lb	1090.00
Labor Clean up	acre	100.00	Watermelon - OP	lb	27.00

Appendix Table 5. Estimated fuel prices and interest rates,
Mississippi, 2011

ITEM NAME	UNIT	PRICE
		dollars
UEL TYPES		
Diesel Fuel	gal	2.39
Gasoline	gal	2.61
LP Gas	gal	2.50
INTEREST RATES		
Short-term	%	4.33
Intermediate-term	%	5.50

Appendix Table 6. Labor names, units and wage rates,
Mississippi, 2011

Item name	Unit	Wage Rate
OPERATOR LABOR	hour	11.35
HARVEST LABOR	hour	9.10
PLANTING LABOR	hour	9.10
GRADE & PACK LABOR	hour	9.10
MARKETING LABOR	hour	9.10
HAND & STOR LABOR	hour	9.10
HAND LABOR	hour	9.10
FERTIGATION LABOR	hour	9.10
HARVEST & PACK LABOR	hour	9.10
HARVEST LABOR BEANS	hour	9.10
LABOR BEAN TRAILER	hour	9.10
GRD LABOR S. PEAS	hour	9.10
TRAILER LABOR S. PEA	hour	9.10
TRAILER LABOR CABBAG	hour	9.10
LABOR MULCH CLEANUP	hour	9.10
GRD LABOR LIMA BEANS	hour	9.10
GRD LABOR S. BEANS	hour	9.10
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, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
IRRIGATION SUPPLIES					
Fertigation System	each	181.50	1.0000	181.50	_____
Barb Lock Sleeve	1/4"	0.45	45.0000	20.25	_____
Transfer Barb	1/4"	0.25	45.0000	11.25	_____
Feeder Tube	ft	0.08	50.0000	4.00	_____
Header Line 1 1/2"	ft	0.23	300.0000	69.00	_____
Adapter(Reg to Head)	1 1/2"	3.23	1.0000	3.23	_____
End Plug for Header	1 1/2"	1.60	1.0000	1.60	_____
Hose Clamp	1 1/2"	0.70	2.0000	1.40	_____
Pressure Regulator	12 PSI	30.00	1.0000	30.00	_____
PVC Female Adaptor	1 1/2"	3.23	1.0000	3.23	_____
Y Filter	1"	18.00	1.0000	18.00	_____
PVC Fitting (bush)	1 1/2"	1.94	1.0000	1.94	_____
PVC Fitting (adpt)	1 1/2"	1.00	1.0000	1.00	_____
Hole Punch	1/4"	6.50	1.0000	6.50	_____
Coupler	5/8"	0.58	4.0000	2.32	_____

TOTAL DIRECT EXPENSES				355.22	_____
FIXED EXPENSES					

TOTAL INTEREST				19.54	_____

TOTAL SPECIFIED EXPENSES				374.76	_____

Note: Cost of production estimates are based on 2010 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 \$374.76 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, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
IRRIGATION SUPPLIES					
Fertigation System	each	181.50	1.0000	181.50	_____
Barb Lock Sleeve	1/4"	0.45	40.0000	18.00	_____
Transfer Barb	1/4"	0.25	40.0000	10.00	_____
Feeder Tube	ft	0.08	50.0000	4.00	_____
Header Line 1 1/2"	ft	0.23	300.0000	69.00	_____
Adapter(Reg to Head)	1 1/2"	3.23	1.0000	3.23	_____
End Plug for Header	1 1/2"	1.60	1.0000	1.60	_____
Hose Clamp	1 1/2"	0.70	2.0000	1.40	_____
Pressure Regulator	12 PSI	30.00	1.0000	30.00	_____
PVC Female Adaptor	1 1/2"	3.23	1.0000	3.23	_____
Y Filter	1"	18.00	1.0000	18.00	_____
PVC Fitting (bush)	1 1/2"	1.94	1.0000	1.94	_____
PVC Fitting (adpt)	1 1/2"	1.00	1.0000	1.00	_____
Hole Punch	1/4"	6.50	1.0000	6.50	_____
Coupler	5/8"	0.58	4.0000	2.32	_____

TOTAL DIRECT EXPENSES				351.72	_____
FIXED EXPENSES					

TOTAL FIXED EXPENSES				19.34	_____

TOTAL SPECIFIED EXPENSES				371.06	_____

Note: Cost of production estimates are based on 2010 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 \$371.06 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, 2011

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
IRRIGATION SUPPLIES					
Fertigation System	each	181.50	1.0000	181.50	_____
Barb Lock Sleeve	1/4"	0.45	30.0000	13.50	_____
Transfer Barb	1/4"	0.25	30.0000	7.50	_____
Feeder Tube	ft	0.08	50.0000	4.00	_____
Header Line 1 1/2"	ft	0.23	300.0000	69.00	_____
Adapter(Reg to Head)	1 1/2"	3.23	1.0000	3.23	_____
End Plug for Header	1 1/2"	1.60	1.0000	1.60	_____
Hose Clamp	1 1/2"	0.70	2.0000	1.40	_____
Pressure Regulator	12 PSI	30.00	1.0000	30.00	_____
PVC Female Adaptor	1 1/2"	3.23	1.0000	3.23	_____
Y Filter	1"	18.00	1.0000	18.00	_____
PVC Fitting (bush)	1 1/2"	1.94	1.0000	1.94	_____
PVC Fitting (adpt)	1 1/2"	1.00	1.0000	1.00	_____
Hole Punch	1/4"	6.50	1.0000	6.50	_____
Coupler	5/8"	0.58	4.0000	2.32	_____

TOTAL DIRECT EXPENSES				344.72	_____
FIXED EXPENSES					

TOTAL FIXED EXPENSES				18.96	_____

TOTAL SPECIFIED EXPENSES				363.68	_____

Note: Cost of production estimates are based on 2010 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 \$363.68 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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