

**TRADITIONAL
VEGETABLES
2012
PLANNING BUDGETS**

**Mississippi State University
Department of Agricultural Economics
Budget Report 2011-08**

December 2011

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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2012 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 2011. (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, 2012

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			1.00	Sep							0.3300	44.00	14.52	14.52
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Sep	2.82	1.35	0.44	0.94	0.19	2.30				7.85
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Oct	2.82	1.35	0.44	0.94	0.19	2.30				7.85
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Oct	1.19	0.57	0.06	0.24	0.08	0.98				3.04
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	4.01	1.92	0.50	1.35	0.28	3.27				11.05
BS, L,T,Fung BPepper	Bed 6'cntr	2WD 75 hp	1.078	1.00	Oct	15.35	7.34	3.79	10.98	4.31	41.52				78.98
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	145.00	174.00	174.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	0.50	Nov	0.45	0.25	0.07	0.09	0.04	0.50				1.36
Goal 2XL	pt											1.2500	9.31	11.64	11.64
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Mar	0.90	0.50	0.15	0.18	0.09	1.01				2.74
Gramonone Inteon	oz											32.0000	0.25	8.00	8.00
Trailer Utility	10'	2WD 75 hp	0.600	1.00	Mar	8.67	4.83	0.09	0.32	0.60	6.95				20.86
Pepper Plants	100plt											170.0000	9.58	1628.60	1628.60
Contract Plt BPepper	1000pl											17.0000	13.75	233.75	233.75
Irrigation				1.00	Mar										
Rural Water	ac-in											6.0000	82.00	492.00	492.00
Fertigate CAN03/KN03				2.00	Mar										
FERTIGATION LABOR	hour									5.00	44.85				44.85
Calcium Nitrate	lb											100.0000	0.35	35.00	35.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Apr	0.90	0.50	0.15	0.18	0.09	1.01				2.74
Orthene 90 S	lb											0.6700	3.25	2.18	2.18
Kocide 2000	lb											1.5000	6.15	9.23	9.23
Quadris	oz											6.2000	2.52	15.62	15.62
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									5.00	44.85				44.85
Calcium Nitrate	lb											100.0000	0.35	35.00	35.00
Trailer Utility	10'	2WD 75 hp	0.600	1.00	Apr	8.67	4.83	0.09	0.32	0.60	6.95				20.86
HAND LABOR	hour									15.00	134.55				134.55
Wood Stakes	100											36.0000	0.52	18.72	18.72
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Apr	0.90	0.50	0.15	0.18	0.09	1.01				2.74
Quadris	oz											6.2000	2.52	15.62	15.62
Kocide 2000	lb											1.5000	6.15	9.23	9.23
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									5.00	44.85				44.85
Calcium Nitrate	lb											100.0000	0.35	35.00	35.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	0.90	0.50	0.15	0.18	0.09	1.01				2.74
Quadris	oz											6.2000	2.52	15.62	15.62
Kocide 2000	lb											1.5000	6.15	9.23	9.23
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	May	2.76	1.32	0.10	0.28	0.29	3.12				7.58
Gramonone Inteon	oz											32.0000	0.25	8.00	8.00

(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, 2012 (continued)

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Fertigate CAN03/KN03				2.00	May											
FERTIGATION LABOR	hour									5.00	44.85					44.85
Calcium Nitrate	lb											100.0000	0.35	35.00		35.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	0.90	0.50	0.15	0.18	0.09	1.01					2.74
Ridomil Gold	oz											16.0000	6.25	100.00		100.00
1st Tiewing DB String				1.00	May											
HAND LABOR	hour									8.00	71.76					71.76
Plastic string	6000'											7.0000	9.00	63.00		63.00
Fertigate CAN03/KN03				2.00	May											
FERTIGATION LABOR	hour									5.00	44.85					44.85
Calcium Nitrate	lb											100.0000	0.35	35.00		35.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	0.90	0.50	0.15	0.18	0.09	1.01					2.74
Lannate LV	pt											1.0000	9.56	9.56		9.56
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	0.90	0.50	0.15	0.18	0.09	1.01					2.74
Ambush 25WP	lb											1.0000	10.50	10.50		10.50
2nd Tiewing DB String				1.00	Jun											
HAND LABOR	hour									5.00	44.85					44.85
Plastic string	6000'											5.0000	9.00	45.00		45.00
Cultivate	4-Row	2WD 75 hp	0.155	1.00	Jun	2.21	1.06	0.31	0.84	0.15	1.80					6.22
Trailer Utility	10'	2WD 75 hp	0.600	1.00	Jun	8.67	4.83	0.09	0.32	0.60	6.95					20.86
HAND LABOR	hour									8.00	71.76					71.76
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	717.60					717.60
Boxes-Waxed	each											1800.0000	1.60	2880.00		2880.00
Rotary Cutter	7'	2WD 75 hp	0.169	1.00	Jul	2.41	1.15	0.54	0.39	0.16	1.96					6.45
Take Up Reel (Mulch)	1-Row	2WD 75 hp	0.588	1.00	Jul	8.37	4.01	0.59	2.35	0.58	6.82					22.14
HAND LABOR	hour									12.00	107.64					107.64
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Jul	2.82	1.35	0.44	0.94	0.19	2.30					7.85
Southern Peas - OP	lb											33.0000	4.00	132.00		132.00
Irrigation Setup	acre				Mar							1.0000				409.66
TOTALS							77.52	39.66	8.60	21.56	161.98	1467.20			9776.49	11800.69
INTEREST ON OPERATING CAPITAL																163.72
UNALLOCATED LABOR																12.58
TOTAL SPECIFIED COST																11976.99

Note: Cost of production estimates are based on 2011 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, 2012

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	44.00	0.3300	14.52	_____
Fert 13-13-13	cwt	15.43	9.0000	138.87	_____
Calcium Nitrate	lb	0.35	500.0000	175.00	_____
FUNGICIDE					
Kocide 2000	lb	6.15	4.5000	27.68	_____
Quadris	oz	2.52	18.6000	46.87	_____
Ridomil Gold	oz	6.25	16.0000	100.00	_____
HERBICIDE					
Goal 2XL	pt	9.31	1.2500	11.64	_____
Gramonone Inteon	oz	0.25	64.0000	16.00	_____
INSECTICIDE					
Orthene 90 S	lb	3.25	0.6700	2.18	_____
Lannate LV	pt	9.56	1.0000	9.56	_____
Ambush 25WP	lb	10.50	1.0000	10.50	_____
SEED/PLANTS					
Pepper Plants	100plt	9.58	170.0000	1628.60	_____
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	1.60	1800.0000	2880.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	145.00	1.2000	174.00	_____
Rural Water	ac-in	82.00	6.0000	492.00	_____
OPERATOR LABOR					
Tractors	hour	11.59	5.4161	62.80	_____
GRADE & PACK LABOR					
Special Labor	hour	8.97	80.0000	717.60	_____
HAND LABOR					
Special Labor	hour	8.97	48.0000	430.56	_____
Implements	hour	8.97	3.5672	31.99	_____
FERTIGATION LABOR					
Special Labor	hour	8.97	25.0000	224.25	_____
UNALLOCATED LABOR	hour	11.61	1.0832	12.58	_____
DIESEL FUEL					
Tractors	gal	3.40	20.9084	71.06	_____
REPAIR & MAINTENANCE					
Implements	acre	8.60	1.0000	8.60	_____
Tractors	acre	6.46	1.0000	6.46	_____
INTEREST ON OP. CAP.	acre	163.72	1.0000	163.72	_____
TOTAL DIRECT EXPENSES				11506.11	_____
FIXED EXPENSES					
Implements	acre	21.56	1.0000	21.56	_____
Tractors	acre	39.66	1.0000	39.66	_____
Irrigation Setup	acre	409.66	1.0000	409.66	_____
TOTAL FIXED EXPENSES				470.88	_____
TOTAL SPECIFIED EXPENSES				11976.99	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	14.52	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	49.70	124.85	0.00	0.00	0.00
HERBICIDE	0.00	0.00	11.64	0.00	0.00	0.00	8.00	0.00	8.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.18	20.06	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	1628.60	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	5010.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	174.00	0.00	0.00	0.00	0.00	492.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.76	51.88	0.57	0.00	0.00	0.00	54.35	234.91	169.67	844.71	120.93	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	2.60	21.55	0.41	0.00	0.00	0.00	8.70	9.52	5.82	9.92	12.54	0.00
REPAIR & MAINTENANCE	0.66	6.61	0.11	0.00	0.00	0.00	1.11	1.34	1.24	1.36	2.63	0.00
INTEREST ON OP. CAP.	0.80	66.04	0.40	0.00	0.00	0.00	43.58	5.49	4.91	41.55	0.95	0.00
TOTAL DIRECT EXPENSES	21.34	1930.55	13.13	0.00	0.00	0.00	2505.09	391.86	467.55	5907.54	269.05	0.00
NET INCOME	-21.34	-1930.55	-13.13	0.00	0.00	0.00	-2505.09	-391.86	-467.55	-5907.54	-269.05	0.00
NET INCOME TO DATE	-21.34	-1951.89	-1965.02	-1965.02	-1965.02	-1965.02	-4470.11	-4861.97	-5329.52	-11237.06	-11506.11	-11506.11

Note: Cost of production estimates are based on 2011 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, 2012

			-----BREAKEVEN PRICE-----										
Bell Pepper			4.97	5.21	5.49	5.81	6.19	6.65	7.21	7.91	8.81	10.01	11.69
PERCENT	YIELD	UNIT	-----dollars-----										
50	900.00	Bu	-5580 -6051	-5364 -5834	-5114 -5585	-4823 -5294	-4479 -4950	-4067 -4538	-3563 -4034	-2932 -3403	-2122 -2593	-1041 -1512	470 0
60	1080.00	Bu	-4975 -5445	-4715 -5186	-4416 -4887	-4067 -4538	-3654 -4125	-3159 -3630	-2554 -3025	-1798 -2269	-825 -1296	470 0	2286 1815
70	1260.00	Bu	-4369 -4840	-4067 -4538	-3718 -4189	-3311 -3781	-2829 -3300	-2252 -2722	-1546 -2017	-663 -1134	470 0	1983 1512	4101 3630
80	1440.00	Bu	-3764 -4235	-3419 -3889	-3020 -3490	-2554 -3025	-2004 -2475	-1344 -1815	-537 -1008	470 0	1767 1296	3496 3025	5916 5445
90	1620.00	Bu	-3159 -3630	-2770 -3241	-2321 -2792	-1798 -2269	-1179 -1650	-436 -907	470 0	1605 1134	3064 2593	5009 4538	7732 7261
100	1800.00	Bu	-2554 -3025	-2122 -2593	-1623 -2094	-1041 -1512	-354 -825	470 0	1479 1008	2740 2269	4360 3889	6521 6051	9547 9076
110	1980.00	Bu	-1949 -2420	-1474 -1944	-925 -1396	-285 -756	470 0	1378 907	2487 2017	3874 3403	5657 5186	8034 7563	11362 10891
120	2160.00	Bu	-1344 -1815	-825 -1296	-227 -698	470 0	1296 825	2286 1815	3496 3025	5009 4538	6954 6483	9547 9076	13178 12707
130	2340.00	Bu	-739 -1210	-177 -648	470 0	1227 756	2121 1650	3193 2722	4504 4034	6143 5672	8250 7779	11060 10589	14993 14522
140	2520.00	Bu	-134 -605	470 0	1169 698	1983 1512	2946 2475	4101 3630	5513 5042	7278 6807	9547 9076	12573 12102	16808 16337
150	2700.00	Bu	470 0	1119 648	1867 1396	2740 2269	3771 3300	5009 4538	6521 6051	8412 7942	10844 10373	14085 13614	18624 18153

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 2011 input prices.

Table 2.A Estimated resource use and costs for field operations, per acre
 Broccoli, fall, fresh market
 Mississippi, 2012

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	44.00	21.78	21.78
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Aug	3.14	1.50	0.29	0.52	0.22	2.55				8.00
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Aug	5.65	2.70	0.87	1.88	0.39	4.60				15.70
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Aug	1.19	0.57	0.06	0.24	0.08	0.98				3.04
Fert 13-13-13	cwt											8.0000	15.43	123.44	123.44
Disk + Incorporate	10'	2WD 75 hp	0.206	1.00	Aug	2.94	1.40	0.49	0.88	0.30	3.32				9.03
Treflan 4D	pt											1.5000	3.12	4.68	4.68
Plntr/H2O Wheel	2-Row	2WD 75 hp	1.473	1.00	Aug	20.98	10.03	4.98	8.24	8.83	83.14				127.37
PLANTING LABOR	hour									30.00	269.10				269.10
Broccoli Plants	thous											18.0000	39.75	715.50	715.50
Cultivate+App Ins	4-Row	2WD 75 hp	0.193	1.00	Aug	2.76	1.32	0.10	0.28	0.29	3.12				7.58
Bravo Weather Stick	pt											1.5000	3.72	5.58	5.58
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Bravo Weather Stick	pt											1.5000	3.72	5.58	5.58
Dipel ES	pt											1.0000	4.56	4.56	4.56
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	Sep	2.76	1.32	0.73	3.30	0.29	3.12				11.23
Amm Nitrate (34%)	cwt											2.3000	20.58	47.33	47.33
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	3.49	1.67	9.41	16.67	0.24	2.85				34.09
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Bravo Weather Stick	pt											1.5000	3.72	5.58	5.58
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Oct	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Dipel ES	pt											1.0000	4.56	4.56	4.56
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Nov	1.28	0.61	0.05	0.08	0.18	1.85				3.87
HARVEST & PACK LABOR	hour			1.00	Nov					125.00	1121.25				1121.25
Boxes-Waxed	each											300.0000	1.60	480.00	480.00
Ice + Cooling	box											300.0000	0.75	225.00	225.00
TOTALS						54.66	26.13	45.21	82.10	166.59	1504.43			1655.43	3367.96
INTEREST ON OPERATING CAPITAL															26.34
UNALLOCATED LABOR															8.91
TOTAL SPECIFIED COST															3403.21

Note: Cost of production estimates are based on 2011 input prices.

Fertilization decisions should be based on soil tests.

Table 2.B Estimated costs per acre
 Broccoli, fall, fresh market
 Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	44.00	0.4950	21.78	_____
Fert 13-13-13	cwt	15.43	8.0000	123.44	_____
Amm Nitrate (34%)	cwt	20.58	2.3000	47.33	_____
FUNGICIDE					
Bravo Weather Stick	pt	3.72	4.5000	16.74	_____
HERBICIDE					
Treflan 4D	pt	3.12	1.5000	4.68	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	2.0000	11.84	_____
Dipel ES	pt	4.56	2.0000	9.12	_____
SEED/PLANTS					
Broccoli Plants	thous	39.75	18.0000	715.50	_____
OTHER					
Boxes-Waxed	each	1.60	300.0000	480.00	_____
Ice + Cooling	box	0.75	300.0000	225.00	_____
OPERATOR LABOR					
Tractors	hour	11.59	3.8404	44.53	_____
PLANTING LABOR					
Special Labor	hour	8.97	30.0000	269.10	_____
HAND LABOR					
Implements	hour	8.97	7.7530	69.55	_____
HARVEST & PACK LABOR					
Special Labor	hour	8.97	125.0000	1121.25	_____
UNALLOCATED LABOR	hour	11.60	0.7680	8.91	_____
DIESEL FUEL					
Tractors	gal	3.40	14.8256	50.39	_____
REPAIR & MAINTENANCE					
Implements	acre	45.21	1.0000	45.21	_____
Tractors	acre	4.27	1.0000	4.27	_____
INTEREST ON OP. CAP.	acre	26.34	1.0000	26.34	_____
TOTAL DIRECT EXPENSES				3294.98	_____
FIXED EXPENSES					
Implements	acre	82.10	1.0000	82.10	_____
Tractors	acre	26.13	1.0000	26.13	_____
TOTAL FIXED EXPENSES				108.23	_____
TOTAL SPECIFIED EXPENSES				3403.21	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	21.78	123.44	47.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	5.58	11.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	4.68	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	715.50	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	705.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	372.78	13.83	3.42	1123.31	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	33.79	12.20	3.22	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	9.66	29.99	9.68	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.39	18.00	1.32	0.15	6.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	22.17	1289.35	126.31	21.03	1836.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-22.17	-1289.35	-126.31	-21.03	-1836.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-22.17	-1311.52	-1437.83	-1458.86	-3294.98	-3294.98	-3294.98	-3294.98	-3294.98	-3294.98	-3294.98	-3294.98

Note: Cost of production estimates are based on 2011 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, 2012

			-----BREAKEVEN PRICE-----										
Broccoli			8.09	8.56	9.09	9.72	10.45	11.34	12.42	13.77	15.51	17.83	21.08
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	211b	-1839	-1769	-1689	-1595	-1485	-1352	-1190	-987	-726	-378	108
			-1947	-1878	-1797	-1704	-1593	-1460	-1298	-1095	-834	-486	0
60	180.00	211b	-1644	-1561	-1464	-1352	-1219	-1060	-865	-622	-309	108	692
			-1752	-1669	-1573	-1460	-1327	-1168	-973	-730	-417	0	584
70	210.00	211b	-1449	-1352	-1240	-1109	-954	-768	-540	-256	108	595	1276
			-1558	-1460	-1348	-1217	-1062	-876	-649	-365	0	486	1168
80	240.00	211b	-1255	-1143	-1015	-865	-688	-476	-216	108	525	1082	1861
			-1363	-1252	-1123	-973	-796	-584	-324	0	417	973	1752
90	270.00	211b	-1060	-935	-790	-622	-422	-183	108	473	942	1568	2445
			-1168	-1043	-898	-730	-531	-292	0	365	834	1460	2337
100	300.00	211b	-865	-726	-565	-378	-157	108	432	838	1360	2055	3029
			-973	-834	-674	-486	-265	0	324	730	1252	1947	2921
110	330.00	211b	-670	-517	-341	-135	108	400	757	1203	1777	2542	3614
			-779	-626	-449	-243	0	292	649	1095	1669	2434	3505
120	360.00	211b	-476	-309	-116	108	373	692	1082	1568	2195	3029	4198
			-584	-417	-224	0	265	584	973	1460	2086	2921	4090
130	390.00	211b	-281	-100	108	351	639	984	1406	1934	2612	3516	4782
			-389	-208	0	243	531	876	1298	1825	2504	3408	4674
140	420.00	211b	-86	108	332	595	905	1276	1731	2299	3029	4003	5366
			-194	0	224	486	796	1168	1623	2191	2921	3895	5258
150	450.00	211b	108	316	557	838	1170	1568	2055	2664	3447	4490	5951
			0	208	449	730	1062	1460	1947	2556	3338	4382	5843

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 2011 input prices.

Table 3.A Estimated resource use and costs for field operations, per acre
Cabbage, spring, hand harvest
Mississippi, 2012

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	44.00	21.78	21.78
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Feb	1.19	0.57	0.06	0.24	0.08	0.98				3.04
Fert 13-13-13	cwt											8.0000	15.43	123.44	123.44
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	3.14	1.50	0.29	0.52	0.22	2.55				8.00
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Feb	2.82	1.35	0.44	0.94	0.19	2.30				7.85
Disk Bed	2-Row	2WD 75 hp	0.284	1.00	Feb	4.05	1.93	0.24	0.94	0.28	3.29				10.45
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Feb	2.76	1.32	0.10	0.28	0.29	3.12				7.58
Treflan 4D	pt											2.0000	3.12	6.24	6.24
Plntr/H2O Wheel	2-Row	2WD 75 hp	1.473	1.00	Feb	20.98	10.03	4.98	8.24	8.83	83.14				127.37
PLANTING LABOR	hour									30.00	269.10				269.10
Cabbage Plants	thous											13.2000	31.50	415.80	415.80
Cultivate	4-Row	2WD 75 hp	0.155	3.00	Mar	6.63	3.17	0.94	2.52	0.46	5.39				18.65
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Mar	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Bravo Weather Stick	pt											1.5000	3.72	5.58	5.58
Kocide	lb											2.0000	3.54	7.08	7.08
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	Mar	2.76	1.32	0.73	3.30	0.29	3.12				11.23
Amm Nitrate (34%)	cwt											1.0000	20.58	20.58	20.58
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	3.49	1.67	9.41	16.67	0.24	2.85				34.09
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	6.02	2.88	2.48	9.86	0.42	4.90				26.14
Amm Nitrate (34%)	cwt											1.0000	20.58	20.58	20.58
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	3.49	1.67	9.41	16.67	0.24	2.85				34.09
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Asana XL	oz											6.0000	0.71	4.26	4.26
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Confirm 2F	oz											24.0000	1.68	40.32	40.32
Dipel ES	pt											1.0000	4.56	4.56	4.56
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Jun	1.28	0.61	0.05	0.08	0.18	1.85				3.87
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	2.45	1470.00	1470.00
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						69.08	33.03	57.36	110.27	42.50	393.99			4563.88	5227.61
INTEREST ON OPERATING CAPITAL															33.58
UNALLOCATED LABOR															11.26
TOTAL SPECIFIED COST															5272.45

Note: Cost of production estimates are based on 2011 input prices.

Fertilization decisions should be based on soil tests.

Table 3.B Estimated costs per acre
Cabbage, spring, hand harvest
Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	44.00	0.4950	21.78	_____
Fert 13-13-13	cwt	15.43	8.0000	123.44	_____
Amm Nitrate (34%)	cwt	20.58	2.0000	41.16	_____
FUNGICIDE					
Bravo Weather Stick	pt	3.72	1.5000	5.58	_____
Kocide	lb	3.54	2.0000	7.08	_____
HERBICIDE					
Treflan 4D	pt	3.12	2.0000	6.24	_____
INSECTICIDE					
Endosulfan 3EC	pt	3.75	2.6600	9.98	_____
Dipel ES	pt	4.56	4.0000	18.24	_____
Asana XL	oz	0.71	6.0000	4.26	_____
Confirm 2F	oz	1.68	24.0000	40.32	_____
SEED/PLANTS					
Cabbage Plants	thous	31.50	13.2000	415.80	_____
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	2.45	600.0000	1470.00	_____
Marketing Fee	box	1.00	600.0000	600.00	_____
CoolingBox S.Cabbage	box	0.25	600.0000	150.00	_____
OPERATOR LABOR					
Tractors	hour	11.59	4.8538	56.27	_____
PLANTING LABOR					
Special Labor	hour	8.97	30.0000	269.10	_____
HAND LABOR					
Implements	hour	8.97	7.6498	68.62	_____
UNALLOCATED LABOR	hour	11.59	0.9707	11.26	_____
DIESEL FUEL					
Tractors	gal	3.40	18.7377	63.68	_____
REPAIR & MAINTENANCE					
Implements	acre	57.36	1.0000	57.36	_____
Tractors	acre	5.40	1.0000	5.40	_____
INTEREST ON OP. CAP.	acre	33.58	1.0000	33.58	_____
TOTAL DIRECT EXPENSES				5129.15	_____
FIXED EXPENSES					
Implements	acre	110.27	1.0000	110.27	_____
Tractors	acre	33.03	1.0000	33.03	_____
TOTAL FIXED EXPENSES				143.30	_____
TOTAL SPECIFIED EXPENSES				5272.45	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	21.78	123.44	20.58	20.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	12.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	6.24	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	63.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	415.80	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	3870.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	370.17	13.46	9.30	10.26	2.06	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	32.20	11.87	8.77	9.66	1.18	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	8.85	12.09	12.63	29.04	0.15	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.46	16.94	1.00	0.64	0.81	13.73	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	22.24	973.64	71.66	61.47	113.02	3887.12	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-22.24	-973.64	-71.66	-61.47	-113.02	-3887.12	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-22.24	-995.88	-1067.54	-1129.01	-1242.03	-5129.15	-5129.15	-5129.15	-5129.15	-5129.15	-5129.15	-5129.15

Note: Cost of production estimates are based on 2011 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, 2012

			-----BREAKEVEN PRICE-----										
Cabbage			6.67	6.97	7.32	7.73	8.21	8.78	9.49	10.36	11.49	13.00	15.11
PERCENT	YIELD	UNIT	-----dollars-----										
50	300.00	50lb	-2388 -2531	-2297 -2441	-2193 -2336	-2071 -2215	-1927 -2071	-1755 -1898	-1544 -1687	-1280 -1423	-941 -1084	-489 -632	143 0
60	360.00	50lb	-2135 -2278	-2026 -2169	-1901 -2044	-1755 -1898	-1582 -1726	-1375 -1518	-1122 -1265	-806 -949	-399 -542	143 0	902 759
70	420.00	50lb	-1881 -2025	-1755 -1898	-1609 -1752	-1438 -1582	-1237 -1380	-995 -1139	-700 -843	-331 -474	143 0	776 632	1662 1518
80	480.00	50lb	-1628 -1772	-1484 -1627	-1317 -1460	-1122 -1265	-892 -1035	-616 -759	-278 -421	143 0	685 542	1409 1265	2421 2278
90	540.00	50lb	-1375 -1518	-1212 -1356	-1025 -1168	-806 -949	-547 -690	-236 -379	143 0	617 474	1228 1084	2041 1898	3181 3037
100	600.00	50lb	-1122 -1265	-941 -1084	-732 -876	-489 -632	-201 -345	143 0	565 421	1092 949	1770 1627	2674 2531	3940 3797
110	660.00	50lb	-869 -1012	-670 -813	-440 -584	-173 -316	143 0	523 379	987 843	1567 1423	2313 2169	3307 3164	4699 4556
120	720.00	50lb	-616 -759	-399 -542	-148 -292	143 0	488 345	902 759	1409 1265	2041 1898	2855 2712	3940 3797	5459 5316
130	780.00	50lb	-362 -506	-127 -271	143 0	459 316	833 690	1282 1139	1830 1687	2516 2373	3398 3254	4573 4430	6218 6075
140	840.00	50lb	-109 -253	143 0	435 292	776 632	1178 1035	1662 1518	2252 2109	2991 2847	3940 3797	5206 5062	6978 6835
150	900.00	50lb	143 0	414 271	727 584	1092 949	1524 1380	2041 1898	2674 2531	3465 3322	4483 4339	5839 5695	7737 7594

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 2011 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, 2012

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	44.00	21.78	21.78
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Mar	3.14	1.50	0.29	0.52	0.22	2.55				8.00
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Mar	1.19	0.57	0.06	0.24	0.08	0.98				3.04
Fert 13-13-13	cwt											6.0000	15.43	92.58	92.58
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Mar	2.82	1.35	0.44	0.94	0.19	2.30				7.85
Disk + Incorporate	10'	2WD 75 hp	0.206	1.00	Apr	2.94	1.40	0.49	0.88	0.30	3.32				9.03
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	23.03	11.02	2.54	7.37	1.61	18.75				62.71
Plastic Mulch	roll											2.2000	162.00	356.40	356.40
Drip Tape	roll											1.5000	145.00	217.50	217.50
Plntr/H2O Cucumber	1R 4'cntr	2WD 75 hp	2.578	1.00	Apr	36.71	17.56	2.30	3.81	10.31	99.26				159.64
Cucumber - Hybrid	lb											3.0000	172.00	516.00	516.00
Irrigation				1.00	Apr										
Rural Water	ac-in											6.0000	82.00	492.00	492.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Asana XL	oz											6.0000	0.71	4.26	4.26
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									2.00	17.94				17.94
Calcium Nitrate	lb											50.0000	0.35	17.50	17.50
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Apr	0.89	0.43	0.15	0.18	0.09	1.01				2.66
Sandea	oz											0.5000	39.95	19.98	19.98
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Bravo Weather Stick	pt											1.5000	3.72	5.58	5.58
Fertigate CAN03/KN03				2.00	May										
FERTIGATION LABOR	hour									2.00	17.94				17.94
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Bravo Weather Stick	pt											1.5000	3.72	5.58	5.58
Asana XL	oz											6.0000	0.71	4.26	4.26
Fertigate CAN03/KN03				2.00	May										
FERTIGATION LABOR	hour									2.00	17.94				17.94
Calcium Nitrate	lb											50.0000	0.35	17.50	17.50
Fertigate CAN03/KN03				1.00	Jun										
FERTIGATION LABOR	hour									1.00	8.97				8.97
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Asana XL	oz											6.0000	0.71	4.26	4.26
Fertigate CAN03/KN03				1.00	Jun										
FERTIGATION LABOR	hour									1.00	8.97				8.97
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Bravo Weather Stick	pt											3.0000	3.72	11.16	11.16
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Jun	1.28	0.61	0.05	0.08	0.18	1.85				3.87

(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, 2012 (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	1076.40				1076.40
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	1.60	480.00	480.00
Plastic Clean Up				1.00	Jun										
Mulch Lifter	1-Row	2WD 75 hp	0.589			8.39	4.01	0.13	2.36	0.58	6.83				21.72
Labor Clean up	acre											1.0000	100.00	100.00	100.00
Irrigation Setup	acre				Apr							1.0000			413.24
TOTALS						97.84	46.80	53.50	99.73	142.83	1299.26			3447.04	5457.41
INTEREST ON OPERATING CAPITAL															32.77
UNALLOCATED LABOR															15.96
TOTAL SPECIFIED COST															5506.14

Note: Cost of production estimates are based on 2011 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, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	44.00	0.4950	21.78	_____
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	3.72	6.0000	22.32	_____
HERBICIDE					
Sandea	oz	39.95	0.5000	19.98	_____
Select 2EC	oz	1.53	6.0000	9.18	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	6.0000	35.52	_____
Asana XL	oz	0.71	18.0000	12.78	_____
SEED/PLANTS					
Cucumber - Hybrid	lb	172.00	3.0000	516.00	_____
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	1.60	300.0000	480.00	_____
Labor Clean up	acre	100.00	1.0000	100.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	145.00	1.5000	217.50	_____
Rural Water	ac-in	82.00	6.0000	492.00	_____
OPERATOR LABOR					
Tractors	hour	11.59	6.8745	79.70	_____
HARVEST LABOR					
Special Labor	hour	8.97	120.0000	1076.40	_____
HAND LABOR					
Implements	hour	8.97	7.9588	71.40	_____
FERTIGATION LABOR					
Special Labor	hour	8.97	8.0000	71.76	_____
UNALLOCATED LABOR	hour	11.60	1.3749	15.96	_____
DIESEL FUEL					
Tractors	gal	3.40	26.5383	90.20	_____
REPAIR & MAINTENANCE					
Implements	acre	53.50	1.0000	53.50	_____
Tractors	acre	7.64	1.0000	7.64	_____
INTEREST ON OP. CAP.	acre	32.77	1.0000	32.77	_____
TOTAL DIRECT EXPENSES				4946.37	_____
FIXED EXPENSES					
Implements	acre	99.73	1.0000	99.73	_____
Tractors	acre	46.80	1.0000	46.80	_____
Irrigation Setup	acre	413.24	1.0000	413.24	_____
TOTAL FIXED EXPENSES				559.77	_____
TOTAL SPECIFIED EXPENSES				5506.14	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	114.36	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	5.58	5.58	11.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	29.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	39.78	4.26	4.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	516.00	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	1581.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	709.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	7.00	157.48	39.30	1111.44	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	6.59	65.04	3.22	15.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	1.35	29.81	9.68	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.83	20.47	0.69	9.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	131.13	1946.72	97.73	2770.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-131.13	-1946.72	-97.73	-2770.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-131.13	-2077.85	-2175.58	-4946.37	-4946.37	-4946.37	-4946.37	-4946.37	-4946.37	-4946.37	-4946.37	-4946.37

Note: Cost of production estimates are based on 2011 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, 2012

			-----BREAKEVEN PRICE-----										
Cucumbers			13.02	13.78	14.66	15.68	16.89	18.35	20.13	22.35	25.20	29.01	34.34
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	551b	-2639 -3199	-2525 -3084	-2393 -2953	-2239 -2799	-2057 -2617	-1839 -2399	-1572 -2132	-1239 -1799	-811 -1371	-240 -799	559 0
60	180.00	551b	-2319 -2879	-2182 -2742	-2024 -2583	-1839 -2399	-1621 -2181	-1359 -1919	-1039 -1599	-639 -1199	-125 -685	559 0	1519 959
70	210.00	551b	-1999 -2559	-1839 -2399	-1654 -2214	-1439 -1999	-1185 -1744	-879 -1439	-506 -1066	-40 -599	559 0	1359 799	2479 1919
80	240.00	551b	-1679 -2239	-1496 -2056	-1285 -1845	-1039 -1599	-748 -1308	-399 -959	26 -533	559 0	1245 685	2159 1599	3438 2879
90	270.00	551b	-1359 -1919	-1154 -1713	-916 -1476	-639 -1199	-312 -872	79 -479	559 0	1159 599	1930 1371	2959 2399	4398 3838
100	300.00	551b	-1039 -1599	-811 -1371	-547 -1107	-240 -799	123 -436	559 0	1092 533	1759 1199	2616 2056	3758 3199	5358 4798
110	330.00	551b	-719 -1279	-468 -1028	-178 -738	159 -399	559 0	1039 479	1626 1066	2359 1799	3301 2742	4558 3998	6318 5758
120	360.00	551b	-399 -959	-125 -685	190 -369	559 0	996 436	1519 959	2159 1599	2959 2399	3987 3427	5358 4798	7277 6718
130	390.00	551b	-80 -639	217 -342	559 0	959 399	1432 872	1999 1439	2692 2132	3558 2999	4672 4113	6158 5598	8237 7677
140	420.00	551b	239 -319	559 0	928 369	1359 799	1868 1308	2479 1919	3225 2665	4158 3598	5358 4798	6957 6398	9197 8637
150	450.00	551b	559 0	902 342	1298 738	1759 1199	2304 1744	2959 2399	3758 3199	4758 4198	6043 5484	7757 7197	10157 9597

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 2011 input prices.

Table 5.A Estimated resource use and costs for field operations, per acre
Greens (turnip, mustard, collards), fresh market
Mississippi, 2012

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	44.00	21.78	21.78
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Aug	3.14	1.50	0.29	0.52	0.22	2.55				8.00
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Aug	5.65	2.70	0.87	1.88	0.39	4.60				15.70
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Aug	1.19	0.57	0.06	0.24	0.08	0.98				3.04
Fert 13-13-13	cwt											6.0000	15.43	92.58	92.58
Disk + Incorporate	10'	2WD 75 hp	0.206	1.00	Aug	2.94	1.40	0.49	0.88	0.30	3.32				9.03
Treflan 4D	pt											1.5000	3.12	4.68	4.68
Cultipacker	12'	2WD 75 hp	0.124	1.00	Aug	1.77	0.85	0.14	0.20	0.12	1.44				4.40
Plntr - Vacuum+Ins	2R 30-40	2WD 75 hp	0.396	1.00	Sep	5.65	2.70	8.58	13.95	0.39	4.60				35.48
Greens - Hybrid	lb											3.3000	92.00	303.60	303.60
Admire Pro	oz											8.0000	2.15	17.20	17.20
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Sep	1.19	0.57	0.06	0.24	0.08	0.98				3.04
Amm Nitrate (34%)	cwt											1.0000	20.58	20.58	20.58
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	3.49	1.67	9.41	16.67	0.24	2.85				34.09
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Malathion 5E	pt											2.0000	4.44	8.88	8.88
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Oct	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Radiant 1SC	oz											5.0000	5.30	26.50	26.50
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	1.28	0.61	0.05	0.08	0.18	1.85				3.87
HARVEST & PACK LABOR	hour			1.00	Oct					175.00	1569.75				1569.75
Boxes-Waxed	each			1.00	Oct							500.0000	1.60	800.00	800.00
Cooling Box - Greens box												500.0000	0.25	125.00	125.00
TOTALS						33.28	15.91	38.77	68.00	177.53	1598.62			1504.92	3259.50
INTEREST ON OPERATING CAPITAL															14.47
UNALLOCATED LABOR															5.44
TOTAL SPECIFIED COST															3279.41

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 5.B Estimated costs per acre
Greens (turnip, mustard, collards), fresh market
Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	44.00	0.4950	21.78	_____
Fert 13-13-13	cwt	15.43	6.0000	92.58	_____
Amm Nitrate (34%)	cwt	20.58	1.0000	20.58	_____
FUNGICIDE					
Kocide	lb	3.54	1.5000	5.31	_____
Quadris	oz	2.52	15.4000	38.81	_____
HERBICIDE					
Treflan 4D	pt	3.12	1.5000	4.68	_____
INSECTICIDE					
Admire Pro	oz	2.15	8.0000	17.20	_____
Malathion 5E	pt	4.44	2.0000	8.88	_____
Radiant 1SC	oz	5.30	5.0000	26.50	_____
SEED/PLANTS					
Greens - Hybrid	lb	92.00	3.3000	303.60	_____
OTHER					
Bins/Stacking	each	2.00	20.0000	40.00	_____
Boxes-Waxed	each	1.60	500.0000	800.00	_____
Cooling Box - Greens	box	0.25	500.0000	125.00	_____
OPERATOR LABOR					
Tractors	hour	11.59	2.3392	27.13	_____
HAND LABOR					
Implements	hour	8.97	0.1931	1.74	_____
HARVEST & PACK LABOR					
Special Labor	hour	8.97	175.0000	1569.75	_____
UNALLOCATED LABOR	hour	11.62	0.4678	5.44	_____
DIESEL FUEL					
Tractors	gal	3.40	9.0304	30.69	_____
REPAIR & MAINTENANCE					
Implements	acre	38.77	1.0000	38.77	_____
Tractors	acre	2.59	1.0000	2.59	_____
INTEREST ON OP. CAP.	acre	14.47	1.0000	14.47	_____
TOTAL DIRECT EXPENSES				3195.50	_____
FIXED EXPENSES					
Implements	acre	68.00	1.0000	68.00	_____
Tractors	acre	15.91	1.0000	15.91	_____
TOTAL FIXED EXPENSES				83.91	_____
TOTAL SPECIFIED EXPENSES				3279.41	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	21.78	0.00	0.00	0.00	0.00	0.00	0.00	92.58	20.58	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	4.68	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	26.08	26.50	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	303.60	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	965.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.29	13.54	1575.23	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	13.54	12.75	4.40	0.00	0.00
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	28.53	9.83	0.00	0.00
INTEREST ON OP. CAP.	0.77	0.00	0.00	0.00	0.00	0.00	0.00	1.38	3.19	9.13	0.00	0.00
TOTAL DIRECT EXPENSES	22.55	0.00	0.00	0.00	0.00	0.00	0.00	130.47	452.39	2590.09	0.00	0.00
NET INCOME	-22.55	0.00	0.00	0.00	0.00	0.00	0.00	-130.47	-452.39	-2590.09	0.00	0.00
NET INCOME TO DATE	-22.55	-22.55	-22.55	-22.55	-22.55	-22.55	-22.55	-153.02	-605.41	-3195.50	-3195.50	-3195.50

Note: Cost of production estimates are based on 2011 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, 2012

Greens (25lb)			-----BREAKEVEN PRICE-----										
			4.90	5.14	5.41	5.73	6.10	6.55	7.10	7.79	8.68	9.86	11.51
PERCENT	YIELD	UNIT	-----dollars-----										
50	250.00	2doz	-1567 -1651	-1508 -1592	-1440 -1524	-1360 -1444	-1266 -1350	-1154 -1238	-1016 -1100	-844 -928	-623 -707	-328 -412	83 0
60	300.00	2doz	-1402 -1485	-1331 -1415	-1249 -1333	-1154 -1238	-1041 -1125	-906 -990	-741 -825	-535 -619	-269 -353	83 0	579 495
70	350.00	2doz	-1236 -1320	-1154 -1238	-1059 -1143	-947 -1031	-816 -900	-659 -742	-466 -550	-225 -309	83 0	496 412	1074 990
80	400.00	2doz	-1071 -1155	-977 -1061	-868 -952	-741 -825	-591 -675	-411 -495	-191 -275	83 0	437 353	909 825	1569 1485
90	450.00	2doz	-906 -990	-800 -884	-678 -762	-535 -619	-366 -450	-163 -247	83 0	393 309	791 707	1322 1238	2065 1981
100	500.00	2doz	-741 -825	-623 -707	-487 -571	-328 -412	-141 -225	83 0	359 275	703 619	1145 1061	1734 1651	2560 2476
110	550.00	2doz	-576 -660	-446 -530	-297 -381	-122 -206	83 0	331 247	634 550	1012 928	1499 1415	2147 2063	3055 2971
120	600.00	2doz	-411 -495	-269 -353	-106 -190	83 0	309 225	579 495	909 825	1322 1238	1852 1768	2560 2476	3551 3467
130	650.00	2doz	-246 -330	-92 -176	83 0	290 206	534 450	826 742	1184 1100	1631 1547	2206 2122	2973 2889	4046 3962
140	700.00	2doz	-81 -165	83 0	274 190	496 412	759 675	1074 990	1459 1375	1941 1857	2560 2476	3386 3302	4541 4457
150	750.00	2doz	83 0	260 176	464 381	703 619	984 900	1322 1238	1734 1651	2250 2167	2914 2830	3798 3714	5037 4953

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 2011 input prices.

Table 6.A Estimated resource use and costs for field operations, per acre
Lima/butter beans, hand harvest
Mississippi, 2012

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	44.00	21.78	21.78
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Jan	3.14	1.50	0.29	0.52	0.22	2.55				8.00
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Mar	2.82	1.35	0.44	0.94	0.19	2.30				7.85
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Mar	2.01	0.96	0.37	0.99	0.21	2.26				6.59
Amm Nitrate (34%)	cwt											1.5000	20.58	30.87	30.87
Phosphorus(46% P205)	cwt											1.5600	28.65	44.69	44.69
Potash (60% K20)	cwt											1.2000	29.19	35.03	35.03
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	2.76	1.32	0.10	0.28	0.29	3.12				7.58
Treflan 4D	pt											1.5000	3.12	4.68	4.68
Diazinon AG600	pt											1.0000	5.92	5.92	5.92
Plntr - Vacuum	2-Row	2WD 75 hp	0.396	1.00	Apr	5.65	2.70	7.57	12.31	0.39	4.60				32.83
Lima Bean - Hybrid	lb											30.0000	3.00	90.00	90.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Sevin XLR Plus	qt											1.0000	11.13	11.13	11.13
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	May	2.76	1.32	0.73	3.30	0.29	3.12				11.23
Amm Nitrate (34%)	cwt											1.0000	20.58	20.58	20.58
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Kocide 2000	lb											1.5000	6.15	9.23	9.23
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Sevin XLR Plus	qt											2.0000	11.13	22.26	22.26
HARVEST LABOR	hour			1.00	Jun					136.00	1219.92				1219.92
5-Gal Bucket	each											40.0000	3.88	155.20	155.20
Sheller Lima Beans	each			1.00	Jun				5.87			0.0200			5.87
107/10 lb bg L/BBean	acre							0.23		9.00	80.73	1.0000			80.96
R.B.Convey LimaBeans	each			1.00	Jun				3.65			0.0200			3.65
Rot.PakTable L-Beans	each			1.00	Jun				2.72			0.0200			2.72
Application 1	acre							0.15		5.00	44.85	1.0000			45.00
Bag Sealer LimaBeans	each			1.00	Jun				0.53			0.0200			0.53
Application 1	acre							0.37		0.12	1.08	1.0000			1.45
TOTALS						29.61	14.16	38.48	81.12	152.46	1373.08			451.37	1987.82
INTEREST ON OPERATING CAPITAL															9.87
UNALLOCATED LABOR															4.83
TOTAL SPECIFIED COST															2002.52

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 6.B Estimated costs per acre
Lima/butter beans, hand harvest
Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	44.00	0.4950	21.78	_____
Amm Nitrate (34%)	cwt	20.58	2.5000	51.45	_____
Phosphorus(46% P205)	cwt	28.65	1.5600	44.69	_____
Potash (60% K20)	cwt	29.19	1.2000	35.03	_____
FUNGICIDE					
Kocide 2000	lb	6.15	1.5000	9.23	_____
HERBICIDE					
Treflan 4D	pt	3.12	1.5000	4.68	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	1.0000	5.92	_____
Sevin XLR Plus	qt	11.13	3.0000	33.39	_____
SEED/PLANTS					
Lima Bean - Hybrid	lb	3.00	30.0000	90.00	_____
OTHER					
5-Gal Bucket	each	3.88	40.0000	155.20	_____
OPERATOR LABOR					
Tractors	hour	11.59	2.0805	24.13	_____
HARVEST LABOR					
Special Labor	hour	8.97	136.0000	1219.92	_____
HAND LABOR					
Implements	hour	8.97	0.2643	2.37	_____
GRD LABOR LIMA BEANS					
Bag Sealer LimaBeans	hour	8.97	0.1200	1.08	_____
Rot.PakTable L-Beans	hour	8.97	5.0000	44.85	_____
Sheller Lima Beans	hour	8.97	9.0000	80.73	_____
UNALLOCATED LABOR	hour	11.60	0.4161	4.83	_____
DIESEL FUEL					
Tractors	gal	3.40	8.0318	27.29	_____
REPAIR & MAINTENANCE					
Implements	acre	37.73	1.0000	37.73	_____
Tractors	acre	2.32	1.0000	2.32	_____
Bag Sealer LimaBeans	acre	0.37	1.0000	0.37	_____
Rot.PakTable L-Beans	acre	0.15	1.0000	0.15	_____
Sheller Lima Beans	acre	0.23	1.0000	0.23	_____
INTEREST ON OP. CAP.	acre	9.87	1.0000	9.87	_____
TOTAL DIRECT EXPENSES				1907.24	_____
FIXED EXPENSES					
Implements	acre	68.35	1.0000	68.35	_____
Tractors	acre	14.16	1.0000	14.16	_____
Bag Sealer LimaBeans	each	26.34	0.0200	0.53	_____
R.B.Convey LimaBeans	each	182.37	0.0200	3.65	_____
Rot.PakTable L-Beans	each	135.83	0.0200	2.72	_____
Sheller Lima Beans	each	293.47	0.0200	5.87	_____
TOTAL FIXED EXPENSES				95.28	_____
TOTAL SPECIFIED EXPENSES				2002.52	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	21.78	0.00	110.59	0.00	20.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	9.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	0.00	4.68	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	33.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	90.00	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	3.06	0.00	5.35	9.09	13.83	1346.58	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	2.89	0.00	4.45	7.75	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.54	0.00	1.19	8.33	29.99	0.75	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.60	0.00	1.73	1.34	0.87	5.33	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	28.87	0.00	123.31	127.11	120.09	1507.86	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-28.87	0.00	-123.31	-127.11	-120.09	-1507.86	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-28.87	-28.87	-152.18	-279.29	-399.38	-1907.24	-1907.24	-1907.24	-1907.24	-1907.24	-1907.24	-1907.24

Note: Cost of production estimates are based on 2011 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, 2012

			-----BREAKEVEN PRICE-----										
Lima/Butter Beans			12.47	13.36	14.39	15.59	17.01	18.71	20.79	23.39	26.73	31.19	37.43
PERCENT	YIELD	UNIT	-----dollars-----										
50	53.50	101b	-1239	-1192	-1137	-1072	-997	-905	-794	-655	-476	-238	95
			-1335	-1287	-1232	-1168	-1092	-1001	-890	-750	-572	-333	0
60	64.20	101b	-1106	-1049	-983	-905	-814	-705	-572	-405	-190	95	495
			-1201	-1144	-1078	-1001	-910	-801	-667	-500	-286	0	400
70	74.90	101b	-972	-905	-828	-739	-632	-505	-349	-155	95	429	896
			-1068	-1001	-924	-834	-728	-600	-445	-250	0	333	801
80	85.60	101b	-839	-762	-674	-572	-450	-305	-127	95	381	762	1296
			-934	-858	-770	-667	-546	-400	-222	0	286	667	1201
90	96.30	101b	-705	-619	-520	-405	-268	-104	95	345	667	1096	1697
			-801	-715	-616	-500	-364	-200	0	250	572	1001	1602
100	107.00	101b	-572	-476	-366	-238	-86	95	317	595	953	1430	2097
			-667	-572	-462	-333	-182	0	222	500	858	1335	2002
110	117.70	101b	-438	-333	-212	-71	95	295	540	846	1239	1764	2498
			-534	-429	-308	-166	0	200	445	750	1144	1668	2403
120	128.40	101b	-305	-190	-58	95	277	495	762	1096	1525	2097	2898
			-400	-286	-154	0	182	400	667	1001	1430	2002	2803
130	139.10	101b	-171	-47	95	262	459	696	985	1346	1811	2431	3299
			-267	-143	0	166	364	600	890	1251	1716	2336	3204
140	149.80	101b	-38	95	249	429	641	896	1207	1597	2097	2765	3699
			-133	0	154	333	546	801	1112	1501	2002	2670	3604
150	160.50	101b	95	238	403	595	823	1096	1430	1847	2383	3099	4100
			0	143	308	500	728	1001	1335	1752	2288	3003	4005

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 2011 input prices.

Table 7.A Estimated resource use and costs for field operations, per acre
Lima/butter beans, mechanical harvest
Mississippi, 2012

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	44.00	21.78	21.78
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Jan	3.14	1.50	0.29	0.52	0.22	2.55				8.00
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Mar	2.82	1.35	0.44	0.94	0.19	2.30				7.85
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Mar	2.01	0.96	0.37	0.99	0.21	2.26				6.59
Amm Nitrate (34%)	cwt											1.5000	20.58	30.87	30.87
Phosphorus(46% P205)	cwt											1.5600	28.65	44.69	44.69
Potash (60% K20)	cwt											1.2000	29.19	35.03	35.03
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	2.76	1.32	0.10	0.28	0.29	3.12				7.58
Treflan 4D	pt											1.5000	3.12	4.68	4.68
Diazinon AG600	pt											1.0000	5.92	5.92	5.92
Plntr - Vacuum	2-Row	2WD 75 hp	0.396	1.00	Apr	5.65	2.70	7.57	12.31	0.39	4.60				32.83
Lima Bean - Hybrid	lb											30.0000	3.00	90.00	90.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Sevin XLR Plus	qt											1.0000	11.13	11.13	11.13
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	May	2.76	1.32	0.73	3.30	0.29	3.12				11.23
Amm Nitrate (34%)	cwt											1.0000	20.58	20.58	20.58
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Kocide 2000	lb											1.5000	6.15	9.23	9.23
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Sevin XLR Plus	qt											2.0000	11.13	22.26	22.26
Picker Beans/Peas	1-Row	2WD 75 hp	3.571	1.00	Jun	50.85	24.32	48.32	36.24	10.71	105.46				265.19
Trailer-Lima/B. Bean	16'	2WD 75 hp	3.571	1.00	Jun	50.85	24.32	2.00	3.42	7.14	73.43				154.02
LABOR BEAN TRAILER	hour														32.11
Sheller Lima Beans	each			1.00	Jun				5.87			0.0200			5.87
65/10 lb bg L/BBean	acre							0.23		9.00	80.73	1.0000			80.96
R.B.Convey LimaBeans	each			1.00	Jun				3.65			0.0200			3.65
Rot.PakTable L-Beans	each			1.00	Jun				2.72			0.0200			2.72
Application 1	acre							0.15		5.00	44.85	1.0000			45.00
Bag Sealer LimaBeans	each			1.00	Jun				0.53			0.0200			0.53
Application 1	acre							0.37		0.12	1.08	1.0000			1.45
TOTALS						131.31	62.80	88.80	120.78	37.90	364.16			296.17	1064.02
INTEREST ON OPERATING CAPITAL															6.34
UNALLOCATED LABOR															21.39
TOTAL SPECIFIED COST															1091.75

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 7.B Estimated costs per acre
Lima/butter beans, mechanical harvest
Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	44.00	0.4950	21.78	_____
Amm Nitrate (34%)	cwt	20.58	2.5000	51.45	_____
Phosphorus(46% P205)	cwt	28.65	1.5600	44.69	_____
Potash (60% K20)	cwt	29.19	1.2000	35.03	_____
FUNGICIDE					
Kocide 2000	lb	6.15	1.5000	9.23	_____
HERBICIDE					
Treflan 4D	pt	3.12	1.5000	4.68	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	1.0000	5.92	_____
Sevin XLR Plus	qt	11.13	3.0000	33.39	_____
SEED/PLANTS					
Lima Bean - Hybrid	lb	3.00	30.0000	90.00	_____
OPERATOR LABOR					
Tractors	hour	11.59	9.2234	106.91	_____
HAND LABOR					
Implements	hour	8.97	10.9786	98.48	_____
LABOR BEAN TRAILER					
Special Labor	hour	8.97	3.5800	32.11	_____
GRD LABOR LIMA BEANS					
Bag Sealer LimaBeans	hour	8.97	0.1200	1.08	_____
Rot.PakTable L-Beans	hour	8.97	5.0000	44.85	_____
Sheller Lima Beans	hour	8.97	9.0000	80.73	_____
UNALLOCATED LABOR	hour	11.59	1.8446	21.39	_____
DIESEL FUEL					
Tractors	gal	3.40	35.6061	121.05	_____
REPAIR & MAINTENANCE					
Implements	acre	88.05	1.0000	88.05	_____
Tractors	acre	10.26	1.0000	10.26	_____
Bag Sealer LimaBeans	acre	0.37	1.0000	0.37	_____
Rot.PakTable L-Beans	acre	0.15	1.0000	0.15	_____
Sheller Lima Beans	acre	0.23	1.0000	0.23	_____
INTEREST ON OP. CAP.	acre	6.34	1.0000	6.34	_____
TOTAL DIRECT EXPENSES				908.17	_____
FIXED EXPENSES					
Implements	acre	108.01	1.0000	108.01	_____
Tractors	acre	62.80	1.0000	62.80	_____
Bag Sealer LimaBeans	each	26.34	0.0200	0.53	_____
R.B.Convey LimaBeans	each	182.37	0.0200	3.65	_____
Rot.PakTable L-Beans	each	135.83	0.0200	2.72	_____
Sheller Lima Beans	each	293.47	0.0200	5.87	_____
TOTAL FIXED EXPENSES				183.58	_____
TOTAL SPECIFIED EXPENSES				1091.75	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	21.78	0.00	110.59	0.00	20.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	9.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	0.00	4.68	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	33.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.06	0.00	5.35	9.09	13.83	354.22	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	2.89	0.00	4.45	7.75	12.20	93.76	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.54	0.00	1.19	8.33	29.99	59.01	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.60	0.00	1.73	1.34	0.87	1.80	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	28.87	0.00	123.31	127.11	120.09	508.79	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-28.87	0.00	-123.31	-127.11	-120.09	-508.79	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-28.87	-28.87	-152.18	-279.29	-399.38	-908.17	-908.17	-908.17	-908.17	-908.17	-908.17	-908.17

Note: Cost of production estimates are based on 2011 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, 2012

Lima/Butter Beans			-----BREAKEVEN PRICE-----										
			11.19	11.99	12.92	13.99	15.26	16.79	18.66	20.99	23.99	27.99	33.99
PERCENT	YIELD	UNIT	-----dollars-----										
50	32.50	101b	-544 -727	-518 -701	-488 -671	-453 -636	-411 -595	-362 -545	-301 -485	-225 -409	-128 -311	1 -181	183 0
60	39.00	101b	-471 -655	-440 -623	-404 -587	-362 -545	-312 -496	-253 -436	-180 -363	-89 -272	27 -155	183 0	401 218
70	45.50	101b	-398 -582	-362 -545	-320 -503	-271 -454	-213 -397	-143 -327	-59 -242	47 -136	183 0	365 181	620 436
80	52.00	101b	-325 -509	-284 -467	-236 -419	-180 -363	-114 -297	-34 -218	62 -121	183 0	339 155	547 363	838 655
90	58.50	101b	-253 -436	-206 -389	-152 -335	-89 -272	-14 -198	74 -109	183 0	320 136	495 311	729 545	1056 873
100	65.00	101b	-180 -363	-128 -311	-68 -251	1 -181	84 -99	183 0	304 121	456 272	651 467	911 727	1275 1091
110	71.50	101b	-107 -291	-50 -233	15 -167	92 -90	183 0	292 109	426 242	592 409	807 623	1093 909	1493 1310
120	78.00	101b	-34 -218	27 -155	99 -83	183 0	282 99	401 218	547 363	729 545	963 779	1275 1091	1712 1528
130	84.50	101b	38 -145	105 -77	183 0	274 90	382 198	511 327	668 485	865 682	1119 935	1457 1273	1930 1746
140	91.00	101b	110 -72	183 0	267 83	365 181	481 297	620 436	790 606	1002 818	1275 1091	1639 1455	2148 1965
150	97.50	101b	183 0	261 77	351 167	456 272	580 397	729 545	911 727	1138 955	1431 1247	1821 1637	2367 2183

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 2011 input prices.

Table 8.A Estimated resource use and costs for field operations, per acre
Okra, fresh market
Mississippi, 2012

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	44.00	21.78	21.78
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Mar	3.14	1.50	0.29	0.52	0.22	2.55				8.00
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Mar	5.65	2.70	0.87	1.88	0.39	4.60				15.70
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Apr	2.01	0.96	0.37	0.99	0.21	2.26				6.59
Amm Nitrate (34%)	cwt											0.7000	20.58	14.41	14.41
Phosphorus(46% P205)	cwt											1.5600	28.65	44.69	44.69
Potash (60% K20)	cwt											1.2000	29.19	35.03	35.03
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	2.76	1.32	0.10	0.28	0.29	3.12				7.58
Treflan 4D	pt											1.5000	3.12	4.68	4.68
Plntr - Vacuum	2-Row	2WD 75 hp	0.396	1.00	Apr	5.65	2.70	7.57	12.31	0.39	4.60				32.83
Okra - Hybrid	lb											8.8000	171.00	1504.80	1504.80
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	Apr	2.76	1.32	0.73	3.30	0.29	3.12				11.23
Amm Nitrate (34%)	cwt											1.0000	20.58	20.58	20.58
Cultivate	4-Row	2WD 75 hp	0.155	2.00	May	4.42	2.11	0.62	1.68	0.31	3.59				12.42
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	7.00	3.34	18.82	33.33	0.49	5.69				68.18
Provado 1.6	oz											7.6000	1.94	14.74	14.74
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	May	2.76	1.32	0.73	3.30	0.29	3.12				11.23
Amm Nitrate (34%)	cwt											1.0000	20.58	20.58	20.58
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	3.00	Jun	10.49	5.02	28.24	50.00	0.73	8.54				102.29
Mustang Max	oz											12.0000	1.43	17.16	17.16
Trailer - Vegetables	16'	2WD 75 hp	0.090	12.00	Jun	15.38	7.35	0.54	0.93	2.16	22.21				46.41
HARVEST LABOR	hour			1.00	Jun					300.00	2691.00				2691.00
5-Gal Bucket	each											200.0000	3.88	776.00	776.00
GRADE & PACK LABOR	hour			1.00	Jun					30.00	269.10				269.10
Boxes-Waxed	each											400.0000	1.60	640.00	640.00
TOTALS						62.02	29.64	58.88	108.52	335.79	3023.50			3114.45	6397.01
INTEREST ON OPERATING CAPITAL															34.69
UNALLOCATED LABOR															10.10
TOTAL SPECIFIED COST															6441.80

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 8.B Estimated costs per acre
Okra, fresh market
Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	44.00	0.4950	21.78	_____
Amm Nitrate (34%)	cwt	20.58	2.7000	55.57	_____
Phosphorus(46% P205)	cwt	28.65	1.5600	44.69	_____
Potash (60% K20)	cwt	29.19	1.2000	35.03	_____
HERBICIDE					
Treflan 4D	pt	3.12	1.5000	4.68	_____
INSECTICIDE					
Provado 1.6	oz	1.94	7.6000	14.74	_____
Mustang Max	oz	1.43	12.0000	17.16	_____
SEED/PLANTS					
Okra - Hybrid	lb	171.00	8.8000	1504.80	_____
OTHER					
5-Gal Bucket	each	3.88	200.0000	776.00	_____
Boxes-Waxed	each	1.60	400.0000	640.00	_____
OPERATOR LABOR					
Tractors	hour	11.59	4.3539	50.47	_____
HARVEST LABOR					
Special Labor	hour	8.97	300.0000	2691.00	_____
GRADE & PACK LABOR					
Special Labor	hour	8.97	30.0000	269.10	_____
HAND LABOR					
Implements	hour	8.97	1.4412	12.93	_____
UNALLOCATED LABOR	hour	11.59	0.8707	10.10	_____
DIESEL FUEL					
Tractors	gal	3.40	16.8080	57.15	_____
REPAIR & MAINTENANCE					
Implements	acre	58.88	1.0000	58.88	_____
Tractors	acre	4.87	1.0000	4.87	_____
INTEREST ON OP. CAP.	acre	34.69	1.0000	34.69	_____
TOTAL DIRECT EXPENSES				6303.64	_____
FIXED EXPENSES					
Implements	acre	108.52	1.0000	108.52	_____
Tractors	acre	29.64	1.0000	29.64	_____
TOTAL FIXED EXPENSES				138.16	_____
TOTAL SPECIFIED EXPENSES				6441.80	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	21.78	114.71	20.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	4.68	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	17.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	1504.80	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	1416.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	8.58	15.25	14.71	2995.06	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	8.10	12.14	13.06	23.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	1.85	9.81	21.29	30.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.57	17.65	0.60	15.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	40.88	1679.04	84.98	4498.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-40.88	-1679.04	-84.98	-4498.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-40.88	-1719.92	-1804.90	-6303.64	-6303.64	-6303.64	-6303.64	-6303.64	-6303.64	-6303.64	-6303.64	-6303.64

Note: Cost of production estimates are based on 2011 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, 2012

			-----BREAKEVEN PRICE-----										
Okra (US Fancy)			11.27	11.96	12.75	13.68	14.78	16.10	17.71	19.72	22.31	25.77	30.60
PERCENT	YIELD	UNIT	-----dollars-----										
50	200.00	30lb	-3728 -3866	-3590 -3728	-3430 -3568	-3244 -3383	-3025 -3163	-2761 -2899	-2439 -2577	-2036 -2174	-1518 -1657	-828 -966	138 0
60	240.00	30lb	-3341 -3479	-3175 -3314	-2984 -3122	-2761 -2899	-2497 -2636	-2181 -2319	-1795 -1933	-1311 -1449	-690 -828	138 0	1298 1159
70	280.00	30lb	-2954 -3093	-2761 -2899	-2538 -2676	-2278 -2416	-1970 -2108	-1601 -1739	-1150 -1288	-586 -724	138 0	1104 966	2457 2319
80	320.00	30lb	-2568 -2706	-2347 -2485	-2092 -2230	-1795 -1933	-1443 -1581	-1021 -1159	-506 -644	138 0	966 828	2071 1933	3617 3479
90	360.00	30lb	-2181 -2319	-1933 -2071	-1646 -1784	-1311 -1449	-916 -1054	-441 -579	138 0	863 724	1795 1657	3037 2899	4777 4639
100	400.00	30lb	-1795 -1933	-1518 -1657	-1200 -1338	-828 -966	-389 -527	138 0	782 644	1588 1449	2623 2485	4004 3866	5937 5799
110	440.00	30lb	-1408 -1546	-1104 -1242	-754 -892	-345 -483	138 0	718 579	1426 1288	2312 2174	3452 3314	4971 4832	7097 6959
120	480.00	30lb	-1021 -1159	-690 -828	-307 -446	138 0	665 527	1298 1159	2071 1933	3037 2899	4280 4142	5937 5799	8257 8119
130	520.00	30lb	-635 -773	-276 -414	138 0	621 483	1192 1054	1878 1739	2715 2577	3762 3624	5109 4971	6904 6766	9417 9279
140	560.00	30lb	-248 -386	138 0	584 446	1104 966	1719 1581	2457 2319	3360 3221	4487 4349	5937 5799	7870 7732	10577 10439
150	600.00	30lb	138 0	552 414	1030 892	1588 1449	2247 2108	3037 2899	4004 3866	5212 5074	6766 6628	8837 8699	11737 11599

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 2011 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, 2012

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	44.00	7.19	7.19
Chisel Plow	7'	2WD 75 hp	0.220	1.00	May	3.14	1.50	0.29	0.52	0.22	2.55				8.00
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Jun	5.65	2.70	0.87	1.88	0.39	4.60				15.70
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Jun	2.01	0.96	0.37	0.99	0.21	2.26				6.59
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	1.15	0.55	0.26	0.75	0.08	0.94				3.65
Plastic Mulch	roll											1.4000	162.00	226.80	226.80
Drip Tape	roll											0.9000	145.00	130.50	130.50
Plntr/H20/pnch/seed	1-Row	2WD 75 hp	2.578	1.00	Jul	36.71	17.56	4.40	7.28	5.15	53.01				118.96
Pumpkin Seed Hybrid	lb											1.5000	79.00	118.50	118.50
Irrigation				1.00	Jul										
Rural Water	ac-in											6.0000	82.00	492.00	492.00
Fertigate CAN03/KN03				1.00	Jul										
FERTIGATION LABOR	hour									1.00	8.97				8.97
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Thionex 3EC	pt											2.0000	3.47	6.94	6.94
Disk Harrow-Hvy Duty	5'	2WD 75 hp	0.412	0.50	Jul	2.94	1.40	0.10	0.21	0.20	2.39				7.04
Fertigate CAN03/KN03				1.00	Jul										
FERTIGATION LABOR	hour									1.00	8.97				8.97
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Thionex 3EC	pt											2.0000	3.47	6.94	6.94
Fertigate CAN03/KN03				1.00	Jul										
FERTIGATION LABOR	hour									1.00	8.97				8.97
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Quadris	oz											11.0000	2.52	27.72	27.72
Bravo Weather Stick	pt											2.0000	3.72	7.44	7.44
Fertigate CAN03/KN03				3.00	Aug										
FERTIGATION LABOR	hour									3.00	26.91				26.91
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Bravo Weather Stick	pt											2.0000	3.72	7.44	7.44
Fertigate CAN03/KN03				1.00	Sep										
FERTIGATION LABOR	hour									1.00	8.97				8.97
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Brigade 2EC	oz											6.0000	0.78	4.68	4.68
Fertigate CAN03/KN03				3.00	Sep										
FERTIGATION LABOR	hour									3.00	26.91				26.91
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, 2012 (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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Brigade 2EC	oz											6.0000	0.78	4.68	4.68
Quadris	oz											11.0000	2.52	27.72	27.72
Fertigate CAN03/KN03				1.00	Oct										
FERTIGATION LABOR	hour									1.00	8.97				8.97
Calcium Nitrate	lb											25.0000	0.35	8.75	8.75
Trailer - Vegetables	16'	2WD 75 hp	0.090	3.00	Oct	3.84	1.84	0.14	0.23	0.54	5.55				11.60
HARVEST LABOR	hour									90.00	807.30				807.30
Pallet Crates-1350lb each												123.0000	19.37	2382.51	2382.51
Mulch Lifter	1-Row	2WD 75 hp	0.589	1.00	Nov	8.39	4.01	0.13	2.36	0.58	6.83				21.72
LABOR MULCH CLEANUP	hour									15.00	134.55				134.55
Irrigation Setup	acre				Jul							1.0000			402.51
TOTALS						84.77	40.54	63.02	114.24	124.87	1135.75			3686.18	5527.01
INTEREST ON OPERATING CAPITAL															52.37
UNALLOCATED LABOR															13.83
TOTAL SPECIFIED COST															5593.21

Note: Cost of production estimates are based on 2011 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, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	44.00	0.1633	7.19	_____
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	3.72	4.0000	14.88	_____
INSECTICIDE					
Thionex 3EC	pt	3.47	4.0000	13.88	_____
Brigade 2EC	oz	0.78	12.0000	9.36	_____
SEED/PLANTS					
Pumpkin Seed Hybrid	lb	79.00	1.5000	118.50	_____
OTHER					
Plastic Mulch	roll	162.00	1.4000	226.80	_____
Pallet Crates-1350lb	each	19.37	123.0000	2382.51	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	145.00	0.9000	130.50	_____
Rural Water	ac-in	82.00	6.0000	492.00	_____
OPERATOR LABOR					
Tractors	hour	11.59	5.9557	69.05	_____
HARVEST LABOR					
Special Labor	hour	8.97	90.0000	807.30	_____
HAND LABOR					
Implements	hour	8.97	2.9186	26.18	_____
FERTIGATION LABOR					
Special Labor	hour	8.97	11.0000	98.67	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.97	15.0000	134.55	_____
UNALLOCATED LABOR					
	hour	11.61	1.1911	13.83	_____
DIESEL FUEL					
Tractors	gal	3.40	22.9914	78.15	_____
REPAIR & MAINTENANCE					
Implements	acre	63.02	1.0000	63.02	_____
Tractors	acre	6.62	1.0000	6.62	_____
INTEREST ON OP. CAP.	acre	52.37	1.0000	52.37	_____

TOTAL DIRECT EXPENSES				5035.92	_____
FIXED EXPENSES					
Implements	acre	114.24	1.0000	114.24	_____
Tractors	acre	40.54	1.0000	40.54	_____
Irrigation Setup	acre	402.51	1.0000	402.51	_____

TOTAL FIXED EXPENSES				557.29	_____

TOTAL SPECIFIED EXPENSES				5593.21	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	7.19	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	42.60	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	9.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	118.50	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	2382.51	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	130.50	492.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.06	9.24	95.61	33.75	42.72	822.45	142.75	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	2.89	8.12	42.99	6.44	6.44	3.54	7.73	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.54	2.19	26.96	19.36	19.36	0.44	0.79	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.34	10.96	14.43	1.82	1.49	22.79	0.54	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	14.02	526.68	830.62	130.22	142.09	3240.48	151.81	0.00	0.00	0.00	0.00	0.00
NET INCOME	-14.02	-526.68	-830.62	-130.22	-142.09	-3240.48	-151.81	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-14.02	-540.70	-1371.32	-1501.54	-1643.63	-4884.11	-5035.92	-5035.92	-5035.92	-5035.92	-5035.92	-5035.92

Note: Cost of production estimates are based on 2011 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, 2012

			-----BREAKEVEN PRICE-----										
Pumpkin			0.09	0.09	0.10	0.11	0.12	0.13	0.15	0.17	0.19	0.22	0.27
PERCENT	YIELD	UNIT	-----dollars-----										
50	20500.00	lb	-3171	-3038	-2884	-2705	-2493	-2239	-1928	-1540	-1040	-374	557
			-3728	-3595	-3441	-3262	-3050	-2796	-2485	-2097	-1598	-932	0
60	24600.00	lb	-2798	-2638	-2454	-2239	-1985	-1679	-1307	-841	-241	557	1675
			-3355	-3196	-3011	-2796	-2542	-2237	-1864	-1398	-799	0	1118
70	28700.00	lb	-2425	-2239	-2024	-1773	-1476	-1120	-685	-141	557	1489	2794
			-2983	-2796	-2581	-2330	-2033	-1677	-1242	-699	0	932	2237
80	32800.00	lb	-2052	-1839	-1593	-1307	-968	-561	-64	557	1356	2421	3913
			-2610	-2397	-2151	-1864	-1525	-1118	-621	0	799	1864	3355
90	36900.00	lb	-1679	-1440	-1163	-841	-459	-2	557	1256	2155	3353	5031
			-2237	-1997	-1720	-1398	-1016	-559	0	699	1598	2796	4474
100	41000.00	lb	-1307	-1040	-733	-374	48	557	1178	1955	2954	4286	6150
			-1864	-1598	-1290	-932	-508	0	621	1398	2397	3728	5593
110	45100.00	lb	-934	-641	-303	91	557	1116	1800	2654	3753	5218	7269
			-1491	-1198	-860	-466	0	559	1242	2097	3196	4661	6711
120	49200.00	lb	-561	-241	127	557	1065	1675	2421	3353	4552	6150	8387
			-1118	-799	-430	0	508	1118	1864	2796	3995	5593	7830
130	53300.00	lb	-188	157	557	1023	1574	2235	3043	4053	5351	7082	9506
			-745	-399	0	466	1016	1677	2485	3495	4794	6525	8949
140	57400.00	lb	184	557	987	1489	2082	2794	3664	4752	6150	8014	10625
			-372	0	430	932	1525	2237	3107	4194	5593	7457	10067
150	61500.00	lb	557	956	1417	1955	2591	3353	4286	5451	6949	8947	11743
			0	399	860	1398	2033	2796	3728	4894	6392	8389	11186

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 2011 input prices.

Table 10.A Estimated resource use and costs for field operations, per acre
 Snap beans, fresh market, hand harvest
 Mississippi, 2012

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	44.00	21.78	21.78
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	3.14	1.50	0.29	0.52	0.22	2.55				8.00
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Feb	5.65	2.70	0.87	1.88	0.39	4.60				15.70
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Feb	2.01	0.96	0.37	0.99	0.21	2.26				6.59
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	2.76	1.32	0.10	0.28	0.29	3.12				7.58
Treflan 4D	pt											2.0000	3.12	6.24	6.24
Terrachlor 75 WP	lb											2.0000	6.77	13.54	13.54
Plntr - Vacuum	2-Row	2WD 75 hp	0.396	1.00	Mar	5.65	2.70	7.57	12.31	0.39	4.60				32.83
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	7.00	3.34	18.82	33.33	0.49	5.69				68.18
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	7.00	3.34	18.82	33.33	0.49	5.69				68.18
Kocide 2000	lb											3.0000	6.15	18.45	18.45
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	1.00	Apr	2.76	1.32	0.73	3.30	0.29	3.12				11.23
Amm Nitrate (34%)	cwt											0.7500	20.58	15.43	15.43
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	7.00	3.34	18.82	33.33	0.49	5.69				68.18
Sevin XLR Plus	qt											2.0000	11.13	22.26	22.26
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	May	1.28	0.61	0.05	0.08	0.18	1.85				3.87
HARVEST LABOR	hour			1.00	May					150.00	1345.50				1345.50
Bushel Box	each			1.00	May							200.0000	1.54	308.00	308.00
Load Conveyor S Bean				1.00	May										
GRD LABOR S. BEANS	hour									20.00	179.40				179.40
Cooling Snap Beans	bu box			1.00	May							200.0000	0.75	150.00	150.00
R.B.ConveySnapBeans	each			1.00	May				3.65			0.0200			3.65
Application 1	bu							101.47		40.00	358.80	200.0000			460.27
Rot.Pk Table S Beans	each			1.00	May				2.72			0.0200			2.72
Application 1	bu							7.58		2.00	17.94	200.0000			25.52
TOTALS						44.25	21.13	175.49	125.72	215.45	1940.81			1083.08	3390.48
INTEREST ON OPERATING CAPITAL															17.16
UNALLOCATED LABOR															7.21
TOTAL SPECIFIED COST															3414.85

Note: Cost of production estimates are based on 2011 input prices.

Fertilization decisions should be based on soil tests.

Table 10.B Estimated costs per acre
 Snap beans, fresh market, hand harvest
 Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	44.00	0.4950	21.78	_____
Fert 13-13-13	cwt	15.43	6.0000	92.58	_____
Amm Nitrate (34%)	cwt	20.58	0.7500	15.43	_____
FUNGICIDE					
Terrachlor 75 WP	lb	6.77	2.0000	13.54	_____
Kocide 2000	lb	6.15	3.0000	18.45	_____
HERBICIDE					
Treflan 4D	pt	3.12	2.0000	6.24	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	2.5000	14.80	_____
Sevin XLR Plus	qt	11.13	2.0000	22.26	_____
SEED/PLANTS					
Snap Beans - Hybrid	lb	6.00	70.0000	420.00	_____
OTHER					
Bushel Box	each	1.54	200.0000	308.00	_____
Cooling Snap Beans	bu box	0.75	200.0000	150.00	_____
OPERATOR LABOR					
Tractors	hour	11.59	3.1054	35.99	_____
HARVEST LABOR					
Special Labor	hour	8.97	150.0000	1345.50	_____
HAND LABOR					
Implements	hour	8.97	0.3543	3.18	_____
GRD LABOR S. BEANS					
Special Labor	hour	8.97	20.0000	179.40	_____
R.B.ConveySnapBeans	hour	8.97	40.0000	358.80	_____
Rot.Pk Table S Beans	hour	8.97	2.0000	17.94	_____
UNALLOCATED LABOR	hour	11.60	0.6210	7.21	_____
DIESEL FUEL					
Tractors	gal	3.40	11.9884	40.77	_____
REPAIR & MAINTENANCE					
Implements	acre	66.44	1.0000	66.44	_____
Tractors	acre	3.48	1.0000	3.48	_____
R.B.ConveySnapBeans	bu	0.50	200.0000	101.47	_____
Rot.Pk Table S Beans	bu	0.03	200.0000	7.58	_____
INTEREST ON OP. CAP.	acre	17.16	1.0000	17.16	_____
TOTAL DIRECT EXPENSES				3268.00	_____
FIXED EXPENSES					
Implements	acre	119.35	1.0000	119.35	_____
Tractors	acre	21.13	1.0000	21.13	_____
R.B.ConveySnapBeans	each	182.37	0.0200	3.65	_____
Rot.Pk Table S Beans	each	135.83	0.0200	2.72	_____
TOTAL FIXED EXPENSES				146.85	_____
TOTAL SPECIFIED EXPENSES				3414.85	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	114.36	0.00	15.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	13.54	0.00	18.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	6.24	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	22.26	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	458.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	14.74	12.35	17.23	1903.70	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	12.49	11.66	15.44	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	2.70	27.38	39.69	109.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	2.32	5.17	0.91	8.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	166.39	491.36	129.41	2480.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-166.39	-491.36	-129.41	-2480.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-166.39	-657.75	-787.16	-3268.00	-3268.00	-3268.00	-3268.00	-3268.00	-3268.00	-3268.00	-3268.00	-3268.00

Note: Cost of production estimates are based on 2011 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, 2012

Snap Beans			-----BREAKEVEN PRICE-----										
			11.89	12.63	13.49	14.48	15.66	17.07	18.79	20.95	23.72	27.42	32.60
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	30lb	-1923 -2070	-1849 -1996	-1764 -1911	-1664 -1811	-1547 -1694	-1406 -1552	-1233 -1380	-1017 -1164	-740 -887	-370 -517	146 0
60	120.00	30lb	-1716 -1863	-1627 -1774	-1525 -1672	-1406 -1552	-1264 -1411	-1095 -1242	-888 -1035	-629 -776	-296 -443	146 0	768 621
70	140.00	30lb	-1509 -1656	-1406 -1552	-1286 -1433	-1147 -1294	-982 -1129	-784 -931	-543 -690	-241 -388	146 0	664 517	1389 1242
80	160.00	30lb	-1302 -1449	-1184 -1331	-1047 -1194	-888 -1035	-700 -847	-474 -621	-198 -345	146 0	590 443	1182 1035	2010 1863
90	180.00	30lb	-1095 -1242	-962 -1109	-808 -955	-629 -776	-417 -564	-163 -310	146 0	535 388	1034 887	1699 1552	2631 2484
100	200.00	30lb	-888 -1035	-740 -887	-569 -716	-370 -517	-135 -282	146 0	491 345	923 776	1477 1331	2217 2070	3252 3105
110	220.00	30lb	-681 -828	-518 -665	-330 -477	-111 -258	146 0	457 310	837 690	1311 1164	1921 1774	2734 2588	3873 3726
120	240.00	30lb	-474 -621	-296 -443	-92 -238	146 0	429 282	768 621	1182 1035	1699 1552	2365 2218	3252 3105	4494 4348
130	260.00	30lb	-267 -414	-74 -221	146 0	405 258	711 564	1078 931	1527 1380	2087 1941	2808 2662	3770 3623	5116 4969
140	280.00	30lb	-60 -207	146 0	385 238	664 517	993 847	1389 1242	1872 1725	2476 2329	3252 3105	4287 4141	5737 5590
150	300.00	30lb	146 0	368 221	624 477	923 776	1276 1129	1699 1552	2217 2070	2864 2717	3696 3549	4805 4658	6358 6211

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 2011 input prices.

Table 11.A Estimated resource use and costs for field operations, per acre
 Snap beans, fresh market, mechanical harvest
 Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Custom Apply Fert	acre			0.33	Feb							0.4950	9.00	4.46	4.46
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	3.14	1.50	0.29	0.52	0.22	2.55				8.00
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Feb	5.65	2.70	0.87	1.88	0.39	4.60				15.70
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Feb	2.01	0.96	0.37	0.99	0.21	2.26				6.59
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	2.76	1.32	0.10	0.28	0.29	3.12				7.58
Treflan 4D	pt											2.0000	3.12	6.24	6.24
Terrachlor 75 WP	lb											2.0000	6.77	13.54	13.54
Plntr - Vacuum	2-Row	2WD 75 hp	0.396	1.00	Mar	5.65	2.70	7.57	12.31	0.39	4.60				32.83
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	7.00	3.34	18.82	33.33	0.49	5.69				68.18
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	7.00	3.34	18.82	33.33	0.49	5.69				68.18
Kocide 2000	lb											3.0000	6.15	18.45	18.45
Cultivate+Sidedress	2-Row	2WD 75 hp	0.390	1.00	Apr	5.56	2.66	0.47	2.15	0.58	6.28				17.12
Amm Nitrate (34%)	cwt											0.7500	20.58	15.43	15.43
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	7.00	3.34	18.82	33.33	0.49	5.69				68.18
Sevin XLR Plus	qt											2.0000	11.13	22.26	22.26
Picker Beans/Peas	1-Row	2WD 75 hp	3.571	1.00	May	50.85	24.32	48.32	36.24	10.71	105.46				265.19
Bushel Box	each											150.0000	1.54	231.00	231.00
Trailer - Snap Bean	16'	2WD 75 hp	3.571	1.00	May	50.85	24.32	2.00	3.42	7.14	73.43				154.02
Load Conveyor S Bean				1.00	May										
GRD LABOR S. BEANS	hour									20.00	179.40				179.40
Cooling Snap Beans	bu box			1.00	May							150.0000	0.75	112.50	112.50
R.B.ConveySnapBeans	each			1.00	May				3.65			0.0200			3.65
Application 1	bu							76.10		30.00	269.10	150.0000			345.20
Rot.Pk Table S Beans	each			1.00	May				2.72			0.0200			2.72
Application 1	bu							5.69		1.50	13.46	150.0000			19.15
TOTALS						147.47	70.50	198.24	164.15	72.93	681.33			951.26	2212.95
INTEREST ON OPERATING CAPITAL															12.57
UNALLOCATED LABOR															24.02
TOTAL SPECIFIED COST															2249.54

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 11.B Estimated costs per acre
 Snap beans, fresh market, mechanical harvest
 Mississippi, 2012

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	20.58	0.7500	15.43	_____
FUNGICIDE					
Terrachlor 75 WP	lb	6.77	2.0000	13.54	_____
Kocide 2000	lb	6.15	3.0000	18.45	_____
HERBICIDE					
Treflan 4D	pt	3.12	2.0000	6.24	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	2.5000	14.80	_____
Sevin XLR Plus	qt	11.13	2.0000	22.26	_____
SEED/PLANTS					
Snap Beans - Hybrid	lb	6.00	70.0000	420.00	_____
OTHER					
Bushel Box	each	1.54	150.0000	231.00	_____
Cooling Snap Beans	bu box	0.75	150.0000	112.50	_____
OPERATOR LABOR					
Tractors	hour	11.59	10.3551	120.01	_____
HAND LABOR					
Implements	hour	8.97	11.0770	99.36	_____
GRD LABOR S. BEANS					
Special Labor	hour	8.97	20.0000	179.40	_____
R.B.ConveySnapBeans	hour	8.97	30.0000	269.10	_____
Rot.Pk Table S Beans	hour	8.97	1.5000	13.46	_____
UNALLOCATED LABOR	hour	11.59	2.0710	24.02	_____
DIESEL FUEL					
Tractors	gal	3.40	39.9749	135.94	_____
REPAIR & MAINTENANCE					
Implements	acre	116.45	1.0000	116.45	_____
Tractors	acre	11.53	1.0000	11.53	_____
R.B.ConveySnapBeans	bu	0.50	150.0000	76.10	_____
Rot.Pk Table S Beans	bu	0.03	150.0000	5.69	_____
INTEREST ON OP. CAP.	acre	12.57	1.0000	12.57	_____
TOTAL DIRECT EXPENSES				2014.89	_____
FIXED EXPENSES					
Implements	acre	157.78	1.0000	157.78	_____
Tractors	acre	70.50	1.0000	70.50	_____
R.B.ConveySnapBeans	each	182.37	0.0200	3.65	_____
Rot.Pk Table S Beans	each	135.83	0.0200	2.72	_____
TOTAL FIXED EXPENSES				234.65	_____
TOTAL SPECIFIED EXPENSES				2249.54	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	15.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	13.54	0.00	18.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	6.24	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	22.26	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	343.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	14.74	12.35	20.85	657.41	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	12.49	11.66	18.03	93.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	2.70	27.38	39.64	140.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	2.07	5.17	0.95	4.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	148.82	491.36	135.61	1239.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-148.82	-491.36	-135.61	-1239.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-148.82	-640.18	-775.79	-2014.89	-2014.89	-2014.89	-2014.89	-2014.89	-2014.89	-2014.89	-2014.89	-2014.89

Note: Cost of production estimates are based on 2011 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, 2012

Snap Beans			-----BREAKEVEN PRICE-----										
			10.51	11.15	11.89	12.75	13.77	14.99	16.49	18.35	20.76	23.96	28.44
PERCENT	YIELD	UNIT	-----dollars-----										
50	75.00	30lb	-1110 -1345	-1062 -1297	-1007 -1241	-942 -1177	-865 -1100	-774 -1008	-662 -896	-521 -756	-341 -576	-101 -336	234 0
60	90.00	30lb	-975 -1210	-918 -1152	-851 -1086	-774 -1008	-682 -917	-572 -807	-437 -672	-269 -504	-53 -288	234 0	638 403
70	105.00	30lb	-841 -1076	-774 -1008	-696 -931	-606 -840	-499 -733	-370 -605	-213 -448	-17 -252	234 0	570 336	1041 807
80	120.00	30lb	-706 -941	-630 -864	-541 -776	-437 -672	-315 -550	-168 -403	10 -224	234 0	522 288	907 672	1445 1210
90	135.00	30lb	-572 -807	-485 -720	-386 -620	-269 -504	-132 -366	32 -201	234 0	486 252	811 576	1243 1008	1848 1614
100	150.00	30lb	-437 -672	-341 -576	-230 -465	-101 -336	51 -183	234 0	458 224	739 504	1099 864	1579 1345	2252 2017
110	165.00	30lb	-303 -538	-197 -432	-75 -310	66 -168	234 0	436 201	683 448	991 756	1387 1152	1916 1681	2655 2421
120	180.00	30lb	-168 -403	-53 -288	79 -155	234 0	418 183	638 403	907 672	1243 1008	1675 1441	2252 2017	3059 2824
130	195.00	30lb	-34 -269	90 -144	234 0	402 168	601 366	839 605	1131 896	1495 1261	1964 1729	2588 2354	3463 3228
140	210.00	30lb	100 -134	234 0	389 155	570 336	784 550	1041 807	1355 1120	1747 1513	2252 2017	2924 2690	3866 3631
150	225.00	30lb	234 0	378 144	545 310	739 504	968 733	1243 1008	1579 1345	2000 1765	2540 2305	3261 3026	4270 4035

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 2011 input prices.

Table 12.A Estimated resource use and costs for field operations, per acre
 Southern peas, fresh market, hand harvest
 Mississippi, 2012

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	44.00	21.78	21.78
Sub-Soiler	2 shank	2WD 75 hp	0.404	1.00	Feb	5.76	2.75	1.01	2.44	0.40	4.69				16.65
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Feb	1.19	0.57	0.06	0.24	0.08	0.98				3.04
Amm Nitrate (34%)	cwt											0.5000	20.58	10.29	10.29
Phosphorus(46% P205)	cwt											1.5600	28.65	44.69	44.69
Potash (60% K20)	cwt											1.2000	29.19	35.03	35.03
Disk Harrow	14'	2WD 75 hp	0.141	2.00	Mar	4.04	1.93	1.66	3.57	0.28	3.28				14.48
Disk Bed	4-Row	2WD 75 hp	0.140	1.00	Mar	2.01	0.96	0.25	0.67	0.14	1.63				5.52
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	2.76	1.32	0.10	0.28	0.29	3.12				7.58
Treflan 4D	pt											0.5000	3.12	1.56	1.56
Plntr - Vacuum	4-Row	2WD 75 hp	0.226	1.00	Apr	3.22	1.54	16.07	26.14	0.22	2.63				49.60
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Brigade 2EC	oz											6.0000	0.78	4.68	4.68
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	7.00	3.34	18.82	33.33	0.49	5.69				68.18
Thionex 3EC	pt											4.0000	3.47	13.88	13.88
Cultivate	4-Row	2WD 75 hp	0.155	1.00	May	2.21	1.06	0.31	0.84	0.15	1.80				6.22
Trailer - Vegetables	16'	2WD 75 hp	0.090	3.00	May	3.84	1.84	0.14	0.23	0.54	5.55				11.60
HARVEST LABOR	hour			1.00	May					75.00	672.75				672.75
5-Gal Bucket	each											20.0000	3.88	77.60	77.60
Sheller S. Peas	each			1.00	May				5.87			0.0200			5.87
100/10 lb bg S. Peas	acre							0.23		6.00	53.82	1.0000			54.05
R.B.Convey S. Peas	each			1.00	May				3.65			0.0200			3.65
Rot.Pk.Table S Peas	each			1.00	May				2.72			0.0200			2.72
Application 1	acre							0.15		3.00	26.91	1.0000			27.06
Bag Sealer S. Peas	each			1.00	May				0.53			0.0200			0.53
Application 1	acre							0.37		0.10	0.90	1.0000			1.27
TOTALS							35.52	16.98	48.58	97.18	86.96			249.51	1234.37
INTEREST ON OPERATING CAPITAL															5.84
UNALLOCATED LABOR															5.81
TOTAL SPECIFIED COST															1246.02

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 12.B Estimated costs per acre
 Southern peas, fresh market, hand harvest
 Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	44.00	0.4950	21.78	_____
Amm Nitrate (34%)	cwt	20.58	0.5000	10.29	_____
Phosphorus(46% P205)	cwt	28.65	1.5600	44.69	_____
Potash (60% K20)	cwt	29.19	1.2000	35.03	_____
HERBICIDE					
Treflan 4D	pt	3.12	0.5000	1.56	_____
INSECTICIDE					
Brigade 2EC	oz	0.78	6.0000	4.68	_____
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	11.59	2.4950	28.93	_____
HARVEST LABOR					
Special Labor	hour	8.97	75.0000	672.75	_____
HAND LABOR					
Implements	hour	8.97	0.3669	3.29	_____
GRD LABOR S. PEAS					
Rot.Pk.Table S Peas	hour	8.97	3.0000	26.91	_____
Bag Sealer S. Peas	hour	8.97	0.1000	0.90	_____
Sheller S. Peas	hour	8.97	6.0000	53.82	_____
UNALLOCATED LABOR	hour	11.64	0.4990	5.81	_____
DIESEL FUEL					
Tractors	gal	3.40	9.6319	32.74	_____
REPAIR & MAINTENANCE					
Implements	acre	47.83	1.0000	47.83	_____
Tractors	acre	2.78	1.0000	2.78	_____
Rot.Pk.Table S Peas	acre	0.15	1.0000	0.15	_____
Bag Sealer S. Peas	acre	0.37	1.0000	0.37	_____
Sheller S. Peas	acre	0.23	1.0000	0.23	_____
INTEREST ON OP. CAP.	acre	5.84	1.0000	5.84	_____
TOTAL DIRECT EXPENSES				1131.86	_____
FIXED EXPENSES					
Implements	acre	84.41	1.0000	84.41	_____
Tractors	acre	16.98	1.0000	16.98	_____
R.B.Convey S. Peas	each	182.37	0.0200	3.65	_____
Rot.Pk.Table S Peas	each	135.83	0.0200	2.72	_____
Bag Sealer S. Peas	each	26.34	0.0200	0.53	_____
Sheller S. Peas	each	293.47	0.0200	5.87	_____
TOTAL FIXED EXPENSES				114.16	_____
TOTAL SPECIFIED EXPENSES				1246.02	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	21.78	90.01	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	4.68	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	6.81	5.90	10.15	769.55	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	6.41	5.57	8.73	12.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.61	2.39	26.32	21.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.39	1.49	0.14	0.65	3.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	22.17	106.33	14.00	92.09	897.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-22.17	-106.33	-14.00	-92.09	-897.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-22.17	-128.50	-142.50	-234.59	-1131.86	-1131.86	-1131.86	-1131.86	-1131.86	-1131.86	-1131.86	-1131.86

Note: Cost of production estimates are based on 2011 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, 2012

Southern Peas			-----BREAKEVEN PRICE-----										
			8.30	8.90	9.58	10.38	11.32	12.46	13.84	15.57	17.80	20.76	24.92
PERCENT	YIELD	UNIT	-----dollars-----										
50	50.00	101b	-716 -830	-686 -801	-652 -766	-612 -726	-565 -679	-508 -623	-439 -553	-353 -467	-241 -356	-93 -207	114 0
60	60.00	101b	-633 -747	-597 -712	-556 -670	-508 -623	-452 -566	-384 -498	-301 -415	-197 -311	-63 -178	114 0	363 249
70	70.00	101b	-550 -664	-508 -623	-460 -575	-405 -519	-338 -453	-259 -373	-162 -276	-41 -155	114 0	321 207	612 498
80	80.00	101b	-467 -581	-419 -534	-365 -479	-301 -415	-225 -339	-135 -249	-24 -138	114 0	292 178	529 415	861 747
90	90.00	101b	-384 -498	-330 -445	-269 -383	-197 -311	-112 -226	-10 -124	114 0	269 155	470 356	737 623	1110 996
100	100.00	101b	-301 -415	-241 -356	-173 -287	-93 -207	0 -113	114 0	252 138	425 311	648 534	944 830	1360 1246
110	110.00	101b	-218 -332	-152 -267	-77 -191	10 -103	114 0	238 124	391 276	581 467	826 712	1152 1038	1609 1495
120	120.00	101b	-135 -249	-63 -178	18 -95	114 0	227 113	363 249	529 415	737 623	1004 890	1360 1246	1858 1744
130	130.00	101b	-51 -166	25 -89	114 0	217 103	340 226	487 373	667 553	892 778	1182 1068	1567 1453	2107 1993
140	140.00	101b	31 -83	114 0	210 95	321 207	453 339	612 498	806 692	1048 934	1360 1246	1775 1661	2356 2242
150	150.00	101b	114 0	203 89	305 191	425 311	567 453	737 623	944 830	1204 1090	1538 1424	1983 1869	2606 2492

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 2011 input prices.

Table 13.A Estimated resource use and costs for field operations, per acre
 Southern peas, fresh market, mechanical harvest
 Mississippi, 2012

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	44.00	21.78	21.78
Sub-Soiler	2 shank	2WD 75 hp	0.404	1.00	Feb	5.76	2.75	1.01	2.44	0.40	4.69				16.65
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Feb	1.19	0.57	0.06	0.24	0.08	0.98				3.04
Amm Nitrate (34%)	cwt											0.5000	20.58	10.29	10.29
Phosphorus(46% P205)	cwt											1.5600	28.65	44.69	44.69
Potash (60% K20)	cwt											1.2000	29.19	35.03	35.03
Disk Harrow	14'	2WD 75 hp	0.141	2.00	Mar	4.04	1.93	1.66	3.57	0.28	3.28				14.48
Disk Bed	4-Row	2WD 75 hp	0.140	1.00	Mar	2.01	0.96	0.25	0.67	0.14	1.63				5.52
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Apr	2.76	1.32	0.10	0.28	0.29	3.12				7.58
Treflan 4D	pt											0.5000	3.12	1.56	1.56
Plntr - Vacuum	4-Row	2WD 75 hp	0.226	1.00	Apr	3.22	1.54	16.07	26.14	0.22	2.63				49.60
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Brigade 2EC	oz											6.0000	0.78	4.68	4.68
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	7.00	3.34	18.82	33.33	0.49	5.69				68.18
Thionex 3EC	pt											4.0000	3.47	13.88	13.88
Cultivate	4-Row	2WD 75 hp	0.155	1.00	May	2.21	1.06	0.31	0.84	0.15	1.80				6.22
Trailer-Southern Pea	16'	2WD 75 hp	3.571	1.00	May	50.85	24.32	2.00	3.42	7.14	73.43				154.02
Picker Beans/Peas	1-Row	2WD 75 hp	3.571	1.00	May	50.85	24.32	48.32	36.24	10.71	105.46				265.19
Sacks - S Peas	each											75.0000	0.41	30.75	30.75
Sheller S. Peas	each			1.00	May				5.87			0.0200			5.87
64/10 lb bg S. Peas	acre							0.23		6.00	53.82	1.0000			54.05
R.B.Convey S. Peas	each			1.00	May				3.65			0.0200			3.65
Rot.Pk.Table S Peas	each			1.00	May				2.72			0.0200			2.72
Application 1	acre							0.15		3.00	26.91	1.0000			27.06
Bag Sealer S. Peas	each			1.00	May				0.53			0.0200			0.53
Application 1	acre							0.37		0.10	0.90	1.0000			1.27
TOTALS						133.38	63.78	98.76	136.61	29.27	287.19			202.66	922.38
INTEREST ON OPERATING CAPITAL															4.49
UNALLOCATED LABOR															21.74
TOTAL SPECIFIED COST															948.61

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 13.B Estimated costs per acre
 Southern peas, fresh market, mechanical harvest
 Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	44.00	0.4950	21.78	_____
Amm Nitrate (34%)	cwt	20.58	0.5000	10.29	_____
Phosphorus(46% P205)	cwt	28.65	1.5600	44.69	_____
Potash (60% K20)	cwt	29.19	1.2000	35.03	_____
HERBICIDE					
Treflan 4D	pt	3.12	0.5000	1.56	_____
INSECTICIDE					
Brigade 2EC	oz	0.78	6.0000	4.68	_____
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	0.41	75.0000	30.75	_____
OPERATOR LABOR					
Tractors	hour	11.59	9.3679	108.58	_____
HAND LABOR					
Implements	hour	8.97	10.8112	96.98	_____
GRD LABOR S. PEAS					
Rot.Pk.Table S Peas	hour	8.97	3.0000	26.91	_____
Bag Sealer S. Peas	hour	8.97	0.1000	0.90	_____
Sheller S. Peas	hour	8.97	6.0000	53.82	_____
UNALLOCATED LABOR	hour	11.60	1.8735	21.74	_____
DIESEL FUEL					
Tractors	gal	3.40	36.1639	122.96	_____
REPAIR & MAINTENANCE					
Implements	acre	98.01	1.0000	98.01	_____
Tractors	acre	10.42	1.0000	10.42	_____
Rot.Pk.Table S Peas	acre	0.15	1.0000	0.15	_____
Bag Sealer S. Peas	acre	0.37	1.0000	0.37	_____
Sheller S. Peas	acre	0.23	1.0000	0.23	_____
INTEREST ON OP. CAP.	acre	4.49	1.0000	4.49	_____
TOTAL DIRECT EXPENSES				748.22	_____
FIXED EXPENSES					
Implements	acre	123.84	1.0000	123.84	_____
Tractors	acre	63.78	1.0000	63.78	_____
R.B.Convey S. Peas	each	182.37	0.0200	3.65	_____
Rot.Pk.Table S Peas	each	135.83	0.0200	2.72	_____
Bag Sealer S. Peas	each	26.34	0.0200	0.53	_____
Sheller S. Peas	each	293.47	0.0200	5.87	_____
TOTAL FIXED EXPENSES				200.39	_____
TOTAL SPECIFIED EXPENSES				948.61	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	21.78	90.01	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	4.68	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	30.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	6.81	5.90	10.15	286.07	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	6.41	5.57	8.73	102.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.61	2.39	26.32	78.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.39	1.49	0.14	0.65	1.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	22.17	106.33	14.00	92.09	513.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-22.17	-106.33	-14.00	-92.09	-513.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-22.17	-128.50	-142.50	-234.59	-748.22	-748.22	-748.22	-748.22	-748.22	-748.22	-748.22	-748.22

Note: Cost of production estimates are based on 2011 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, 2012

Southern Peas			-----BREAKEVEN PRICE-----										
			9.88	10.58	11.40	12.35	13.47	14.82	16.46	18.52	21.17	24.70	29.64
PERCENT	YIELD	UNIT	-----dollars-----										
50	32.00	101b	-432	-409	-383	-352	-317	-273	-221	-155	-70	42	200
			-632	-609	-583	-553	-517	-474	-421	-355	-271	-158	0
60	38.40	101b	-368	-341	-310	-273	-230	-179	-115	-36	64	200	390
			-569	-542	-510	-474	-431	-379	-316	-237	-135	0	189
70	44.80	101b	-305	-273	-237	-194	-144	-84	-10	81	200	358	579
			-505	-474	-437	-395	-344	-284	-210	-118	0	158	379
80	51.20	101b	-242	-206	-164	-115	-58	10	94	200	335	516	769
			-442	-406	-364	-316	-258	-189	-105	0	135	316	569
90	57.60	101b	-179	-138	-91	-36	27	105	200	318	471	674	959
			-379	-338	-291	-237	-172	-94	0	118	271	474	758
100	64.00	101b	-115	-70	-18	42	114	200	305	437	606	832	1149
			-316	-271	-218	-158	-86	0	105	237	406	632	948
110	70.40	101b	-52	-2	54	121	200	295	411	556	742	990	1338
			-252	-203	-145	-79	0	94	210	355	542	790	1138
120	76.80	101b	10	64	127	200	286	390	516	674	877	1149	1528
			-189	-135	-72	0	86	189	316	474	677	948	1328
130	83.20	101b	73	132	200	279	372	484	621	793	1013	1307	1718
			-126	-67	0	79	172	284	421	592	813	1106	1517
140	89.60	101b	137	200	273	358	459	579	727	911	1149	1465	1907
			-63	0	72	158	258	379	527	711	948	1264	1707
150	96.00	101b	200	268	346	437	545	674	832	1030	1284	1623	2097
			0	67	145	237	344	474	632	830	1084	1422	1897

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 2011 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, 2012

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	44.00	21.78	21.78
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	3.14	1.50	0.29	0.52	0.22	2.55				8.00
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Mar	5.65	2.70	0.87	1.88	0.39	4.60				15.70
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Mar	2.01	0.96	0.37	0.99	0.21	2.26				6.59
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	18.43	8.81	2.54	7.35	1.29	15.00				52.13
Plastic Mulch	roll											2.2000	162.00	356.40	356.40
Drip Tape	roll											1.5000	145.00	217.50	217.50
Plntr/H20/pnch/seed	1-Row	2WD 75 hp	2.578	1.00	Apr	36.71	17.56	4.40	7.28	5.15	53.01				118.96
Squash - Hybrid	lb											2.0000	164.00	328.00	328.00
Irrigation				1.00	Apr										
Rural Water	ac-in											6.0000	82.00	492.00	492.00
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.97				8.97
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Brigade 2EC	oz											6.0000	0.78	4.68	4.68
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									2.00	17.94				17.94
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Quadris	oz											11.0000	2.52	27.72	27.72
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.97				8.97
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	7.00	3.34	18.82	33.33	0.49	5.69				68.18
Brigade 2EC	oz											12.0000	0.78	9.36	9.36
Bravo Weather Stick	pt											3.0000	3.72	11.16	11.16
Fertigate CAN03/KN03				4.00	May										
FERTIGATION LABOR	hour									4.00	35.88				35.88
Calcium Nitrate	lb											100.0000	0.35	35.00	35.00
Trailer - Vegetables	16'	2WD 75 hp	0.090	10.00	Jun	12.81	6.13	0.45	0.77	1.80	18.50				38.66
HARVEST LABOR	hour			1.00	Jun					100.00	897.00				897.00
5-Gal Bucket	each											200.0000	3.88	776.00	776.00
Bushel Box	each											250.0000	1.54	385.00	385.00
GRADE & PACK LABOR	hour			10.00	Jun					110.00	986.70				986.70
Mulch Lifter	1-Row	2WD 75 hp	0.589	1.00	Jun	8.39	4.01	0.13	2.36	0.58	6.83				21.72
LABOR MULCH CLEANUP	hour									15.00	134.55				134.55
Irrigation Setup	acre				Apr							1.0000			413.24
TOTALS						101.12	48.35	46.69	87.82	243.65	2204.15			2838.47	5739.84
INTEREST ON OPERATING CAPITAL															35.12
UNALLOCATED LABOR															16.48
TOTAL SPECIFIED COST															5791.44

Note: Cost of production estimates are based on 2011 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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	44.00	0.4950	21.78	_____
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	3.72	3.0000	11.16	_____
INSECTICIDE					
Brigade 2EC	oz	0.78	18.0000	14.04	_____
SEED/PLANTS					
Squash - Hybrid	lb	164.00	2.0000	328.00	_____
OTHER					
Plastic Mulch	roll	162.00	2.2000	356.40	_____
5-Gal Bucket	each	3.88	200.0000	776.00	_____
Bushel Box	each	1.54	250.0000	385.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	145.00	1.5000	217.50	_____
Rural Water	ac-in	82.00	6.0000	492.00	_____
OPERATOR LABOR					
Tractors	hour	11.59	7.1016	82.31	_____
HARVEST LABOR					
Special Labor	hour	8.97	100.0000	897.00	_____
GRADE & PACK LABOR					
Special Labor	hour	8.97	110.0000	986.70	_____
HAND LABOR					
Implements	hour	8.97	3.5486	31.83	_____
FERTIGATION LABOR					
Special Labor	hour	8.97	8.0000	71.76	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.97	15.0000	134.55	_____
UNALLOCATED LABOR					
	hour	11.60	1.4203	16.48	_____
DIESEL FUEL					
Tractors	gal	3.40	27.4151	93.21	_____
REPAIR & MAINTENANCE					
Implements	acre	46.69	1.0000	46.69	_____
Tractors	acre	7.91	1.0000	7.91	_____
INTEREST ON OP. CAP.	acre	35.12	1.0000	35.12	_____
TOTAL DIRECT EXPENSES				5242.03	_____
FIXED EXPENSES					
Implements	acre	87.82	1.0000	87.82	_____
Tractors	acre	48.35	1.0000	48.35	_____
Irrigation Setup	acre	413.24	1.0000	413.24	_____
TOTAL FIXED EXPENSES				549.41	_____
TOTAL SPECIFIED EXPENSES				5791.44	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	21.78	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	38.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	14.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	328.00	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	1161.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	217.50	492.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.06	26.11	108.54	35.88	2047.04	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	2.89	24.05	46.73	0.00	19.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.54	5.82	46.00	0.00	2.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.50	10.89	11.79	0.50	11.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	28.77	779.64	1120.98	71.38	3241.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-28.77	-779.64	-1120.98	-71.38	-3241.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-28.77	-808.41	-1929.39	-2000.77	-5242.03	-5242.03	-5242.03	-5242.03	-5242.03	-5242.03	-5242.03	-5242.03

Note: Cost of production estimates are based on 2011 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, 2012

			-----BREAKEVEN PRICE-----										
Squash			15.95	16.98	18.17	19.56	21.20	23.16	25.56	28.57	32.43	37.57	44.78
PERCENT	YIELD	UNIT	-----dollars-----										
50	125.00	421b	-3053 -3603	-2925 -3474	-2776 -3326	-2603 -3152	-2398 -2948	-2153 -2702	-1852 -2402	-1477 -2026	-994 -1544	-351 -900	549 0
60	150.00	421b	-2693 -3243	-2539 -3088	-2361 -2910	-2153 -2702	-1907 -2456	-1612 -2162	-1252 -1801	-801 -1351	-222 -772	549 0	1630 1081
70	175.00	421b	-2333 -2882	-2153 -2702	-1945 -2494	-1702 -2252	-1416 -1965	-1072 -1621	-651 -1201	-126 -675	549 0	1450 900	2711 2162
80	200.00	421b	-1972 -2522	-1767 -2316	-1529 -2078	-1252 -1801	-924 -1474	-531 -1081	-51 -600	549 0	1321 772	2351 1801	3792 3243
90	225.00	421b	-1612 -2162	-1380 -1930	-1113 -1663	-801 -1351	-433 -982	8 -540	549 0	1225 675	2093 1544	3251 2702	4873 4324
100	250.00	421b	-1252 -1801	-994 -1544	-697 -1247	-351 -900	58 -491	549 0	1149 600	1900 1351	2865 2316	4152 3603	5954 5405
110	275.00	421b	-891 -1441	-608 -1158	-282 -831	98 -450	549 0	1089 540	1750 1201	2576 2026	3638 3088	5053 4504	7035 6486
120	300.00	421b	-531 -1081	-222 -772	133 -415	549 0	1040 491	1630 1081	2351 1801	3251 2702	4410 3860	5954 5405	8116 7567
130	325.00	421b	-171 -720	163 -386	549 0	999 450	1532 982	2170 1621	2951 2402	3927 3378	5182 4632	6855 6305	9197 8648
140	350.00	421b	189 -360	549 0	965 415	1450 900	2023 1474	2711 2162	3552 3002	4603 4053	5954 5405	7756 7206	10278 9729
150	375.00	421b	549 0	935 386	1380 831	1900 1351	2514 1965	3251 2702	4152 3603	5278 4729	6726 6177	8657 8107	11359 10810

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 2011 input prices.

Table 15.A Estimated resource use and costs for field operations, per acre
 Sweet corn, fresh market, hand harvest
 Mississippi, 2012

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	44.00	21.78	21.78
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	3.14	1.50	0.29	0.52	0.22	2.55				8.00
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Feb	5.65	2.70	0.87	1.88	0.39	4.60				15.70
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Mar	2.01	0.96	0.37	0.99	0.21	2.26				6.59
Fert 13-13-13	cwt											7.5000	15.43	115.73	115.73
Cultivate	4-Row	2WD 75 hp	0.155	1.00	Mar	2.21	1.06	0.31	0.84	0.15	1.80				6.22
Plntr - Vacuum	4-Row	2WD 75 hp	0.226	1.00	Mar	3.22	1.54	16.07	26.14	0.22	2.63				49.60
Sweet Corn - Hybrid	lb											9.0000	15.00	135.00	135.00
Poncho	oz											0.2020	0.62	0.13	0.13
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Mar	2.76	1.32	0.10	0.28	0.29	3.12				7.58
Bicep II Magnum	pt											4.0000	5.50	22.00	22.00
Cultivate+Sidedress	4-Row	2WD 75 hp	0.193	2.00	Apr	5.52	2.64	1.46	6.60	0.58	6.23				22.45
Amm Nitrate (34%)	cwt											4.0000	20.58	82.32	82.32
Sprayer 110 gal	30' 47hp		0.035	7.00	May	2.51	4.40			0.37	3.97				10.88
Brigade 2EC	oz											42.0000	0.78	32.76	32.76
Sprayer 110 gal	30' 47hp		0.035	5.00	Jun	1.80	3.14			0.26	2.83				7.77
Radiant 1SC	oz											30.0000	5.30	159.00	159.00
Brigade 2EC	oz											20.0000	0.78	15.60	15.60
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Jun	1.28	0.61	0.05	0.08	0.18	1.85				3.87
HARVEST & PACK LABOR	hour			1.00	Jun					50.00	448.50				448.50
Crates - Sweet Corn	each			1.00	Jun							200.0000	2.25	450.00	450.00
Ice + Cooling	crate											200.0000	0.70	140.00	140.00
TOTALS						30.10	19.87	19.52	37.33	52.89	480.34			1174.32	1761.48
INTEREST ON OPERATING CAPITAL															10.82
UNALLOCATED LABOR															5.19
TOTAL SPECIFIED COST															1777.49

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 15.B Estimated costs per acre
Sweet corn, fresh market, hand harvest
Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	44.00	0.4950	21.78	_____
Fert 13-13-13	cwt	15.43	7.5000	115.73	_____
Amm Nitrate (34%)	cwt	20.58	4.0000	82.32	_____
HERBICIDE					
Bicep II Magnum	pt	5.50	4.0000	22.00	_____
INSECTICIDE					
Poncho	oz	0.62	0.2020	0.13	_____
Brigade 2EC	oz	0.78	62.0000	48.36	_____
Radiant 1SC	oz	5.30	30.0000	159.00	_____
SEED/PLANTS					
Sweet Corn - Hybrid	lb	15.00	9.0000	135.00	_____
OTHER					
Crates - Sweet Corn	each	2.25	200.0000	450.00	_____
Ice + Cooling	crate	0.70	200.0000	140.00	_____
OPERATOR LABOR					
Tractors	hour	11.59	1.8112	20.99	_____
Self-Propelled	hour	11.59	0.4231	4.90	_____
HAND LABOR					
Implements	hour	8.97	0.4512	4.05	_____
Self-Propelled	hour	8.97	0.2115	1.90	_____
HARVEST & PACK LABOR					
Special Labor	hour	8.97	50.0000	448.50	_____
UNALLOCATED LABOR	hour	11.61	0.4468	5.19	_____
DIESEL FUEL					
Tractors	gal	3.40	6.9920	23.77	_____
Self-Propelled	gal	3.40	0.9092	3.09	_____
REPAIR & MAINTENANCE					
Implements	acre	19.52	1.0000	19.52	_____
Tractors	acre	2.02	1.0000	2.02	_____
Self-Propelled	acre	1.22	1.0000	1.22	_____
INTEREST ON OP. CAP.	acre	10.82	1.0000	10.82	_____
TOTAL DIRECT EXPENSES				1720.29	_____
FIXED EXPENSES					
Implements	acre	37.33	1.0000	37.33	_____
Tractors	acre	12.33	1.0000	12.33	_____
Self-Propelled	acre	7.54	1.0000	7.54	_____
TOTAL FIXED EXPENSES				57.20	_____
TOTAL SPECIFIED EXPENSES				1777.49	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	21.78	0.00	115.73	82.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.13	0.00	32.76	174.60	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	135.00	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	590.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	8.58	11.48	7.13	4.54	453.80	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	8.10	9.40	5.09	1.80	2.47	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.85	17.65	1.89	0.71	0.66	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.46	0.32	4.41	1.02	0.28	4.33	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	22.24	18.85	315.80	97.45	40.09	1225.86	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-22.24	-18.85	-315.80	-97.45	-40.09	-1225.86	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-22.24	-41.09	-356.89	-454.34	-494.43	-1720.29	-1720.29	-1720.29	-1720.29	-1720.29	-1720.29	-1720.29

Note: Cost of production estimates are based on 2011 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, 2012

Sweet Corn			-----BREAKEVEN PRICE-----										
			6.91	7.19	7.51	7.89	8.34	8.88	9.54	10.36	11.42	12.83	14.81
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	5doz	-733	-704	-672	-634	-589	-535	-469	-387	-281	-140	57
			-790	-762	-729	-691	-646	-592	-526	-444	-338	-197	0
60	120.00	5doz	-654	-620	-581	-535	-481	-416	-337	-239	-112	57	294
			-711	-677	-638	-592	-538	-474	-395	-296	-169	0	237
70	140.00	5doz	-575	-535	-489	-436	-373	-298	-206	-90	57	254	531
			-632	-592	-547	-493	-431	-355	-263	-148	0	197	474
80	160.00	5doz	-495	-450	-398	-337	-266	-179	-74	57	226	452	768
			-553	-508	-455	-395	-323	-237	-131	0	169	395	711
90	180.00	5doz	-416	-366	-307	-239	-158	-61	57	205	395	649	1005
			-474	-423	-364	-296	-215	-118	0	148	338	592	948
100	200.00	5doz	-337	-281	-216	-140	-50	57	188	353	565	847	1242
			-395	-338	-273	-197	-107	0	131	296	508	790	1185
110	220.00	5doz	-258	-196	-125	-41	57	175	320	501	734	1045	1479
			-316	-254	-182	-98	0	118	263	444	677	987	1422
120	240.00	5doz	-179	-112	-33	57	164	294	452	649	903	1242	1716
			-237	-169	-91	0	107	237	395	592	846	1185	1659
130	260.00	5doz	-100	-27	57	155	272	412	584	798	1073	1440	1953
			-158	-84	0	98	215	355	526	740	1016	1382	1896
140	280.00	5doz	-21	57	148	254	380	531	715	946	1242	1637	2190
			-79	0	91	197	323	474	658	889	1185	1580	2133
150	300.00	5doz	57	141	239	353	488	649	847	1094	1411	1835	2428
			0	84	182	296	431	592	790	1037	1354	1778	2370

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 2011 input prices.

Table 16.A Estimated resource use and costs for field operations, per acre
 Sweet corn, fresh market, train harvest (shipping)
 Mississippi, 2012

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	44.00	21.78	21.78
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	3.14	1.50	0.29	0.52	0.22	2.55				8.00
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Feb	5.65	2.70	0.87	1.88	0.39	4.60				15.70
Disk Bed +App Fert	4-Row	2WD 75 hp	0.140	1.00	Mar	2.01	0.96	0.37	0.99	0.21	2.26				6.59
Fert 13-13-13	cwt											7.5000	15.43	115.73	115.73
Cultivate	4-Row	2WD 75 hp	0.155	1.00	Mar	2.21	1.06	0.31	0.84	0.15	1.80				6.22
Plntr - Vacuum+Ins	4R 30-40	2WD 75 hp	0.226	1.00	Mar	3.22	1.54	17.51	28.49	0.22	2.63				53.39
Sweet Corn - Hybrid	lb											9.0000	15.00	135.00	135.00
Poncho	oz											0.2020	0.62	0.13	0.13
Cultivate+App Herb	4-Row	2WD 75 hp	0.193	1.00	Mar	2.76	1.32	0.10	0.28	0.29	3.12				7.58
Bicep II Magnum	pt											4.0000	5.50	22.00	22.00
Cultivate+Sidedress	2-Row	2WD 75 hp	0.390	2.00	Apr	11.12	5.32	0.95	4.29	1.17	12.55				34.23
Amm Nitrate (34%)	cwt											4.0000	20.58	82.32	82.32
Sprayer 110 gal	30' 47hp		0.035	7.00	May	2.51	4.40			0.37	3.97				10.88
Brigade 2EC	oz											42.0000	0.78	32.76	32.76
Sprayer 110 gal	30' 47hp		0.035	5.00	Jun	1.80	3.14			0.26	2.83				7.77
Radiant 1SC	oz											30.0000	5.30	159.00	159.00
Brigade 2EC	oz											20.0000	0.78	15.60	15.60
Mule Train (Corn)	30'	2WD 75 hp	0.229	1.00	Jun	3.26	1.56	11.46	74.07	7.56	68.44				158.79
Trailer(MuleTrn)Corn	16'	2WD 75 hp	0.229	1.00	Jun	3.26	1.56	1.92	3.28	0.68	6.77				16.79
Crates - Sweet Corn	each			1.00	Jun							200.0000	2.25	450.00	450.00
Ice + Cooling	crate											200.0000	0.70	140.00	140.00
TOTALS						40.94	25.06	33.78	114.64	11.55	111.52			1174.32	1500.26
INTEREST ON OPERATING CAPITAL															9.71
UNALLOCATED LABOR															6.95
TOTAL SPECIFIED COST															1516.92

Note: Cost of production estimates are based on 2011 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, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	44.00	0.4950	21.78	_____
Fert 13-13-13	cwt	15.43	7.5000	115.73	_____
Amm Nitrate (34%)	cwt	20.58	4.0000	82.32	_____
HERBICIDE					
Bicep II Magnum	pt	5.50	4.0000	22.00	_____
INSECTICIDE					
Poncho	oz	0.62	0.2020	0.13	_____
Brigade 2EC	oz	0.78	62.0000	48.36	_____
Radiant 1SC	oz	5.30	30.0000	159.00	_____
SEED/PLANTS					
Sweet Corn - Hybrid	lb	15.00	9.0000	135.00	_____
OTHER					
Crates - Sweet Corn	each	2.25	200.0000	450.00	_____
Ice + Cooling	crate	0.70	200.0000	140.00	_____
OPERATOR LABOR					
Tractors	hour	11.59	2.5731	29.83	_____
Self-Propelled	hour	11.59	0.4231	4.90	_____
HARVEST LABOR					
Implements	hour	8.97	7.7917	69.89	_____
HAND LABOR					
Implements	hour	8.97	0.5580	5.00	_____
Self-Propelled	hour	8.97	0.2115	1.90	_____
UNALLOCATED LABOR	hour	11.59	0.5992	6.95	_____
DIESEL FUEL					
Tractors	gal	3.40	9.9333	33.77	_____
Self-Propelled	gal	3.40	0.9092	3.09	_____
REPAIR & MAINTENANCE					
Implements	acre	33.78	1.0000	33.78	_____
Tractors	acre	2.86	1.0000	2.86	_____
Self-Propelled	acre	1.22	1.0000	1.22	_____
INTEREST ON OP. CAP.	acre	9.71	1.0000	9.71	_____
TOTAL DIRECT EXPENSES				1377.22	_____
FIXED EXPENSES					
Implements	acre	114.64	1.0000	114.64	_____
Tractors	acre	17.52	1.0000	17.52	_____
Self-Propelled	acre	7.54	1.0000	7.54	_____
TOTAL FIXED EXPENSES				139.70	_____
TOTAL SPECIFIED EXPENSES				1516.92	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	21.78	0.00	115.73	82.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.13	0.00	32.76	174.60	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	135.00	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	590.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	8.58	11.48	14.36	4.54	79.51	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	8.10	9.40	10.25	1.80	7.31	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.85	19.09	1.82	0.71	14.39	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.46	0.32	4.43	1.15	0.28	3.07	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	22.24	18.85	317.26	109.90	40.09	868.88	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-22.24	-18.85	-317.26	-109.90	-40.09	-868.88	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-22.24	-41.09	-358.35	-468.25	-508.34	-1377.22	-1377.22	-1377.22	-1377.22	-1377.22	-1377.22	-1377.22

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, 2012

Sweet Corn			-----BREAKEVEN PRICE-----										
			6.04	6.26	6.51	6.81	7.16	7.58	8.09	8.74	9.56	10.66	12.20
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	5doz	-476 -616	-454 -594	-429 -569	-399 -539	-364 -504	-322 -462	-271 -411	-207 -346	-124 -264	-14 -154	139 0
60	120.00	5doz	-415 -554	-388 -528	-358 -497	-322 -462	-280 -420	-230 -369	-168 -308	-91 -231	7 -132	139 0	324 184
70	140.00	5doz	-353 -493	-322 -462	-287 -426	-245 -385	-196 -336	-137 -277	-65 -205	24 -115	139 0	293 154	509 369
80	160.00	5doz	-291 -431	-256 -396	-216 -355	-168 -308	-112 -252	-45 -184	36 -102	139 0	271 132	447 308	694 554
90	180.00	5doz	-230 -369	-190 -330	-144 -284	-91 -231	-28 -168	47 -92	139 0	255 115	403 264	602 462	879 739
100	200.00	5doz	-168 -308	-124 -264	-73 -213	-14 -154	55 -84	139 0	242 102	370 231	536 396	756 616	1064 924
110	220.00	5doz	-106 -246	-58 -198	-2 -142	62 -77	139 0	232 92	345 205	486 346	668 528	910 770	1249 1109
120	240.00	5doz	-45 -184	7 -132	68 -71	139 0	223 84	324 184	447 308	602 462	800 660	1064 924	1434 1294
130	260.00	5doz	16 -123	73 -66	139 0	216 77	307 168	417 277	550 411	717 578	932 792	1218 1078	1619 1479
140	280.00	5doz	78 -61	139 0	210 71	293 154	391 252	509 369	653 513	833 693	1064 924	1372 1233	1804 1664
150	300.00	5doz	139 0	205 66	281 142	370 231	476 336	602 462	756 616	948 809	1196 1056	1526 1387	1989 1849

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 2011 input prices.

Table 17.A Estimated resource use and costs for field operations, per acre
Sweet potatoes
Mississippi, 2012

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	0.73	0.53	0.15	0.18	0.04	0.46				2.05
Glystar Plus	pt											2.0000	1.56	3.12	3.12
Disk Harrow	24'	MFWD 170	0.082	2.00	Apr	5.62	4.45	1.51	3.26	0.16	1.92				16.76
Chisel Plow Folding	16'	MFWD 170	0.116	1.00	Apr	3.96	3.14	0.90	1.59	0.11	1.35				10.94
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	1.85	24.61	24.61
Disk Bed (Hipper)	8R-40	MFWD 130	0.070	1.80	May	3.28	2.38	0.48	1.29	0.12	1.47				8.90
Disk Bed (Hipper)	8R-40	MFWD 130	0.070	0.20	May	0.36	0.26	0.05	0.14	0.01	0.16				0.97
Spray (Broadcast)	60'	MFWD 130	0.028	1.00	May	0.73	0.53	0.15	0.18	0.04	0.46				2.05
Valor SX	oz											2.0000	4.58	9.16	9.16
Trailer-Sweet Potato	16'	MFWD 130	0.598	1.00	May	15.45	11.23	5.01	8.57	0.59	6.94				47.20
Sweetpotato Plants	thous											12.0000	25.00	300.00	300.00
Trailer Water	10'	MFWD 130	0.600	1.00	May	15.49	11.25	0.19	0.56	0.60	6.95				34.44
Plntr/Transplanter	8R-42	MFWD 170	0.333	1.00	May	11.32	8.98	0.06	4.69	5.66	57.19				82.24
Crate Sweetpotato	each											2.0000	8.00	16.00	16.00
Spray (Broadcast)	60'	MFWD 130	0.028	1.00	May	0.73	0.53	0.15	0.18	0.04	0.46				2.05
Command 3ME	pt											2.0000	14.75	29.50	29.50
Brigade 2EC	oz											6.4000	0.78	4.99	4.99
Ditcher		MFWD 130	0.020	1.00	May	0.52	0.37	0.04	0.05	0.02	0.23				1.21
Scouting Sweetpotato	acre			1.00	May							1.0000	15.00	15.00	15.00
Spray (Broadcast)	60'	MFWD 130	0.028	1.00	May	0.73	0.53	0.15	0.18	0.04	0.46				2.05
Brigade 2EC	oz											6.4000	0.78	4.99	4.99
Cultivate - Heavy	8R-42	MFWD 130	0.073	1.00	May	1.91	1.38	0.40	1.08	0.07	0.85				5.62
Ditcher		MFWD 130	0.020	1.00	May	0.52	0.37	0.04	0.05	0.02	0.23				1.21
Cultivate - Heavy	8R-42	MFWD 130	0.073	1.00	Jun	1.91	1.38	0.40	1.08	0.07	0.85				5.62
Ditcher		MFWD 130	0.020	1.00	Jun	0.52	0.37	0.04	0.05	0.02	0.23				1.21
Spray (Broadcast)	60'	MFWD 130	0.028	0.50	Jul	0.36	0.26	0.07	0.09	0.02	0.22				1.00
Poast 1.53	pt											0.5000	10.22	5.11	5.11
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	2.86	2.08	0.45	1.34	0.11	1.29				8.02
Trailer-Sweet Potato	16'	MFWD 130	0.598	1.00	Sep	15.45	11.23	5.01	8.57	0.59	6.94				47.20
SWEET POTATO LABOR	hour									1.00	10.00				10.00
Truck	1/2 ton		2.310	1.00	Sep	12.65	9.84			2.31	26.77				49.26
Truck	1 ton +		1.730	1.00	Sep	5.51	16.24			1.73	20.05				41.80
Harvester,Swt.Potato	2 Row	MFWD 170	1.011	1.00	Sep	34.34	27.25	5.83	9.06	7.07	66.13				142.61
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	7.59	8.53			2.22	25.73				41.85
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	1.48	488.40	488.40
Sweet Potato Broker	box			1.00	Sep							330.0000	1.00	330.00	330.00
TOTALS						142.54	123.11	21.08	42.19	57.09	580.94			2445.69	3355.55
INTEREST ON OPERATING CAPITAL															23.56
UNALLOCATED LABOR															23.82
TOTAL SPECIFIED COST															3402.93

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 17.B Estimated costs per acre
Sweet potatoes
Mississippi, 2012

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	1.56	2.0000	3.12	_____
Valor SX	oz	4.58	2.0000	9.16	_____
Command 3ME	pt	14.75	2.0000	29.50	_____
Poast 1.53	pt	10.22	0.5000	5.11	_____
INSECTICIDE					
Lorsban 15G	lb	1.85	13.3000	24.61	_____
Brigade 2EC	oz	0.78	12.8000	9.98	_____
SEED/PLANTS					
Sweetpotato Plants	thous	25.00	12.0000	300.00	_____
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	1.48	330.0000	488.40	_____
Sweet Potato Broker	box	1.00	330.0000	330.00	_____
OPERATOR LABOR					
Tractors	hour	11.59	4.0100	46.47	_____
Self-Propelled	hour	11.59	6.2600	72.55	_____
HAND LABOR					
Implements	hour	8.97	6.1296	54.99	_____
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	11.59	2.0540	23.82	_____
DIESEL FUEL					
Tractors	gal	3.40	30.1810	102.63	_____
Self-Propelled	gal	3.40	1.2456	4.24	_____
GASOLINE					
Self-Propelled	gal	3.50	3.1416	11.00	_____
LP GAS					
Self-Propelled	gal	2.60	2.3754	6.18	_____
REPAIR & MAINTENANCE					
Implements	acre	21.08	1.0000	21.08	_____
Tractors	acre	14.16	1.0000	14.16	_____
Self-Propelled	acre	4.33	1.0000	4.33	_____
INTEREST ON OP. CAP.	acre	23.56	1.0000	23.56	_____
TOTAL DIRECT EXPENSES				3237.63	_____
FIXED EXPENSES					
Implements	acre	42.19	1.0000	42.19	_____
Tractors	acre	88.50	1.0000	88.50	_____
Self-Propelled	acre	34.61	1.0000	34.61	_____
TOTAL FIXED EXPENSES				165.30	_____
TOTAL SPECIFIED EXPENSES				3402.93	_____

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 17.C Estimated monthly income and expense flows per acre
 Sweet potatoes
 Mississippi, 2012

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	3.12	38.66	0.00	5.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	24.61	9.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	300.00	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	1705.40	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.45	79.75	1.30	0.25	0.00	519.01	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	9.03	44.92	2.14	0.32	0.00	67.64	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	3.84	12.84	0.73	0.11	0.00	22.05	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	5.57	9.14	0.06	0.27	0.00	8.52	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	267.70	526.29	4.23	26.06	0.00	2413.35	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-267.70	-526.29	-4.23	-26.06	0.00	-2413.35	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-267.70	-793.99	-798.22	-824.28	-824.28	-3237.63	-3237.63	-3237.63	-3237.63	-3237.63	-3237.63	-3237.63

Note: Cost of production estimates are based on 2011 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, 2012

Sweet Potatoes			-----BREAKEVEN PRICE-----										
			8.36	8.79	9.28	9.85	10.53	11.34	12.33	13.57	15.16	17.29	20.27
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	40lb	-1620 -1785	-1556 -1722	-1483 -1648	-1397 -1562	-1295 -1461	-1174 -1339	-1025 -1190	-839 -1004	-600 -765	-281 -446	165 0
60	180.00	40lb	-1441 -1607	-1365 -1530	-1277 -1442	-1174 -1339	-1052 -1217	-906 -1071	-727 -892	-504 -669	-217 -382	165 0	701 535
70	210.00	40lb	-1263 -1428	-1174 -1339	-1071 -1236	-950 -1116	-808 -974	-638 -803	-429 -595	-169 -334	165 0	611 446	1236 1071
80	240.00	40lb	-1084 -1250	-982 -1148	-864 -1030	-727 -892	-565 -730	-370 -535	-132 -297	165 0	547 382	1058 892	1772 1607
90	270.00	40lb	-906 -1071	-791 -956	-658 -824	-504 -669	-321 -487	-102 -267	165 0	500 334	930 765	1504 1339	2308 2142
100	300.00	40lb	-727 -892	-600 -765	-452 -618	-281 -446	-78 -243	165 0	462 297	834 669	1313 1148	1951 1785	2843 2678
110	330.00	40lb	-549 -714	-408 -574	-246 -412	-57 -223	165 0	433 267	760 595	1169 1004	1695 1530	2397 2232	3379 3214
120	360.00	40lb	-370 -535	-217 -382	-40 -206	165 0	408 243	701 535	1058 892	1504 1339	2078 1913	2843 2678	3915 3750
130	390.00	40lb	-191 -357	-26 -191	165 0	388 223	652 487	968 803	1355 1190	1839 1674	2461 2296	3290 3125	4451 4285
140	420.00	40lb	-13 -178	165 0	371 206	611 446	895 730	1236 1071	1653 1488	2174 2009	2843 2678	3736 3571	4986 4821
150	450.00	40lb	165 0	356 191	577 412	834 669	1139 974	1504 1339	1951 1785	2509 2343	3226 3061	4183 4018	5522 5357

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 2011 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, 2012

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	44.00	14.52	14.52
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	3.14	1.50	0.29	0.52	0.22	2.55				8.00
Disk Harrow	10'	2WD 75 hp	0.198	2.00	Mar	5.65	2.70	0.87	1.88	0.39	4.60				15.70
Fert-Cyclone Spin	750 lb	2WD 75 hp	0.084	1.00	Mar	1.19	0.57	0.06	0.24	0.08	0.98				3.04
Amm Nitrate (34%)	cwt											1.1700	20.58	24.08	24.08
Phosphorus(46% P205)	cwt											2.6000	28.65	74.49	74.49
Potash (60% K20)	cwt											2.0000	29.19	58.38	58.38
Disk + Incorporate	10'	2WD 75 hp	0.206	1.00	Mar	2.94	1.40	0.49	0.88	0.30	3.32				9.03
Diazinon AG600	pt											4.0000	5.92	23.68	23.68
Treflan 4D	pt											0.7500	3.12	2.34	2.34
BS, L,T,FumigTomato	Bed 6'cntr	2WD 75 hp	1.078	1.00	Mar	15.35	7.34	3.79	10.98	4.31	41.52				78.98
Plastic Mulch	roll											1.8000	162.00	291.60	291.60
Drip Tape	roll											1.2000	145.00	174.00	174.00
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	24.47	11.70	2.30	3.81	6.87	66.17				108.45
PLANTING LABOR	hour									30.00	269.10				269.10
Tomato Plants-Hybrid	thous											4.4000	112.25	493.90	493.90
Fert 15-30-15	lb											37.5000	0.23	8.63	8.63
Admire Pro	oz											7.0000	2.15	15.05	15.05
Irrigation				1.00	Apr										
Rural Water	ac-in											6.0000	82.00	492.00	492.00
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.97				8.97
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Bravo Weather Stick	pt											1.5000	3.72	5.58	5.58
Radiant 1SC	oz											10.0000	5.30	53.00	53.00
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.97				8.97
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Radiant 1SC	oz											10.0000	5.30	53.00	53.00
Quadris	oz											5.0000	2.52	12.60	12.60
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									2.00	17.94				17.94
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	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Quadris	oz											5.0000	2.52	12.60	12.60
Brigade 2EC	oz											6.0000	0.78	4.68	4.68
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Radiant 1SC	oz											10.0000	5.30	53.00	53.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Brigade 2EC	oz											6.0000	0.78	4.68	4.68
Bravo Weather Stick	pt											2.0000	3.72	7.44	7.44
Oberon 2SC	oz											8.0000	4.48	35.84	35.84
Fertigate CAN03/KN03				1.00	May										
FERTIGATION LABOR	hour									1.00	8.97				8.97
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	89.70				89.70
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	26.91				26.91
Calcium Nitrate	lb												90.0000	0.35	31.50	31.50
Sucker Control				1.00	Jun											
HAND LABOR	hour										5.00	44.85				44.85
Fertigate CAN03/KN03				1.00	Jun											
FERTIGATION LABOR	hour										1.00	8.97				8.97
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	3.49	1.67	9.41	16.67	0.24	2.85					34.09
Bravo Weather Stick	pt												2.0000	3.72	7.44	7.44
Brigade 2EC	oz												6.0000	0.78	4.68	4.68
Fertigate CAN03/KN03				3.00	Jun											
FERTIGATION LABOR	hour										3.00	26.91				26.91
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	3.49	1.67	9.41	16.67	0.24	2.85					34.09
Brigade 2EC	oz												6.0000	0.78	4.68	4.68
Trailer - Vegetables	16'	2WD 75 hp	0.090	1.00	Jul	1.28	0.61	0.05	0.08	0.18	1.85					3.87
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	2870.40				2870.40
Box Tomato	box												1600.0000	1.84	2944.00	2944.00
Mulch Lifter	1-Row	2WD 75 hp	0.589	1.00	Jul	8.39	4.01	0.13	2.36	0.58	6.83					21.72
LABOR MULCH CLEANUP	hour										15.00	134.55				134.55
Irrigation Setup	acre				Apr								1.0000			409.66
TOTALS						86.84	41.52	73.85	137.44	406.68	3664.01				8616.77	13030.09
INTEREST ON OPERATING CAPITAL																92.01
UNALLOCATED LABOR																14.16
TOTAL SPECIFIED COST																13136.26

Note: Cost of production estimates are based on 2011 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, 2012

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	44.00	0.3300	14.52	_____
Amm Nitrate (34%)	cwt	20.58	1.1700	24.08	_____
Phosphorus(46% P205)	cwt	28.65	2.6000	74.49	_____
Potash (60% K20)	cwt	29.19	2.0000	58.38	_____
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	3.72	5.5000	20.46	_____
Quadris	oz	2.52	10.0000	25.20	_____
HERBICIDE					
Treflan 4D	pt	3.12	0.7500	2.34	_____
INSECTICIDE					
Diazinon AG600	pt	5.92	4.0000	23.68	_____
Admire Pro	oz	2.15	7.0000	15.05	_____
Radiant 1SC	oz	5.30	30.0000	159.00	_____
Brigade 2EC	oz	0.78	24.0000	18.72	_____
Oberon 2SC	oz	4.48	8.0000	35.84	_____
SEED/PLANTS					
Tomato Plants-Hybrid	thous	112.25	4.4000	493.90	_____
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	1.84	1600.0000	2944.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	145.00	1.2000	174.00	_____
Rural Water	ac-in	82.00	6.0000	492.00	_____
OPERATOR LABOR					
Tractors	hour	11.59	6.1026	70.76	_____
PLANTING LABOR					
Special Labor	hour	8.97	30.0000	269.10	_____
GRADE & PACK LABOR					
Special Labor	hour	8.97	320.0000	2870.40	_____
HAND & STOR LABOR					
Special Labor	hour	8.97	10.0000	89.70	_____
HAND LABOR					
Special Labor	hour	8.97	5.0000	44.85	_____
Implements	hour	8.97	8.5846	77.01	_____
FERTIGATION LABOR					
Special Labor	hour	8.97	12.0000	107.64	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.97	15.0000	134.55	_____
UNALLOCATED LABOR					
	hour	11.60	1.2205	14.16	_____
DIESEL FUEL					
Tractors	gal	3.40	23.5585	80.07	_____
REPAIR & MAINTENANCE					
Implements	acre	73.85	1.0000	73.85	_____
Tractors	acre	6.77	1.0000	6.77	_____
INTEREST ON OP. CAP.	acre	92.01	1.0000	92.01	_____
TOTAL DIRECT EXPENSES				12547.64	_____
FIXED EXPENSES					
Implements	acre	137.44	1.0000	137.44	_____
Tractors	acre	41.52	1.0000	41.52	_____
Irrigation Setup	acre	409.66	1.0000	409.66	_____
TOTAL FIXED EXPENSES				588.62	_____
TOTAL SPECIFIED EXPENSES				13136.26	_____

Note: Cost of production estimates are based on 2011 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, 2012

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	14.52	156.95	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	18.18	20.04	7.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	23.68	121.05	98.20	4.68	4.68	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	493.90	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	3720.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	174.00	492.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.06	54.52	381.97	135.84	84.15	3018.63	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	2.89	23.17	29.00	9.66	3.22	12.13	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.54	7.17	23.57	29.04	9.68	10.62	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.45	33.88	22.81	4.16	1.06	29.65	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	21.46	1947.31	1633.11	397.82	152.23	8395.71	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-21.46	-1947.31	-1633.11	-397.82	-152.23	-8395.71	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-21.46	-1968.77	-3601.88	-3999.70	-4151.93	-12547.64	-12547.64	-12547.64	-12547.64	-12547.64	-12547.64	-12547.64

Note: Cost of production estimates are based on 2011 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, 2012

			-----BREAKEVEN PRICE-----										
Tomatoes			6.42	6.67	6.97	7.31	7.72	8.21	8.80	9.55	10.50	11.78	13.57
PERCENT	YIELD	UNIT	-----dollars-----										
50	800.00	25lb	-5128 -5717	-4924 -5513	-4689 -5277	-4414 -5002	-4089 -4677	-3699 -4288	-3223 -3811	-2627 -3216	-1861 -2450	-840 -1429	588 0
60	960.00	25lb	-4557 -5145	-4312 -4900	-4029 -4617	-3699 -4288	-3309 -3898	-2841 -3430	-2270 -2858	-1555 -2144	-636 -1225	588 0	2303 1715
70	1120.00	25lb	-3985 -4573	-3699 -4288	-3369 -3958	-2984 -3573	-2529 -3118	-1984 -2572	-1317 -1905	-483 -1072	588 0	2017 1429	4019 3430
80	1280.00	25lb	-3413 -4002	-3086 -3675	-2709 -3298	-2270 -2858	-1750 -2338	-1126 -1715	-364 -952	588 0	1813 1225	3447 2858	5734 5145
90	1440.00	25lb	-2841 -3430	-2474 -3062	-2050 -2638	-1555 -2144	-970 -1559	-268 -857	588 0	1660 1072	3038 2450	4876 4288	7449 6860
100	1600.00	25lb	-2270 -2858	-1861 -2450	-1390 -1979	-840 -1429	-191 -779	588 0	1541 952	2732 2144	4264 3675	6306 5717	9164 8576
110	1760.00	25lb	-1698 -2286	-1249 -1837	-730 -1319	-126 -714	588 0	1446 857	2494 1905	3804 3216	5489 4900	7735 7146	10880 10291
120	1920.00	25lb	-1126 -1715	-636 -1225	-71 -659	588 0	1368 779	2303 1715	3447 2858	4876 4288	6714 6125	9164 8576	12595 12006
130	2080.00	25lb	-554 -1143	-23 -612	588 0	1303 714	2147 1559	3161 2572	4400 3811	5948 5360	7939 7350	10594 10005	14310 13721
140	2240.00	25lb	16 -571	588 0	1248 659	2017 1429	2927 2338	4019 3430	5353 4764	7020 6432	9164 8576	12023 11434	16025 15437
150	2400.00	25lb	588 0	1201 612	1908 1319	2732 2144	3707 3118	4876 4288	6306 5717	8092 7504	10389 9801	13452 12864	17740 17152

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 2011 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 tapMississippi, 2012

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			1.00	Jan							1.5000	44.00	66.00	66.00
Chisel Plow	7'	2WD 75 hp	0.220	1.00	Feb	3.14	1.50	0.29	0.52	0.22	2.55				8.00
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Feb	2.82	1.35	0.44	0.94	0.19	2.30				7.85
BS, Lay/Tape/Melon	Bed 8'cntr	2WD 75 hp	0.808	1.00	Mar	11.52	5.51	2.58	7.46	0.80	9.37				36.44
Plastic Mulch	roll											1.4000	162.00	226.80	226.80
Drip Tape	roll											0.9000	145.00	130.50	130.50
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Mar	0.89	0.43	0.15	0.18	0.09	1.01				2.66
Strategy	pt											2.0000	10.02	20.04	20.04
Plntr/H2O Melon	1R 8'cntr	2WD 75 hp	0.645	1.00	Mar	9.19	4.39	1.16	1.92	2.58	24.84				41.50
Watermelon - Diploid	thous											1.8000	57.00	102.60	102.60
Irrigation				1.00	Mar										
Rural Water	ac-in											6.0000	82.00	492.00	492.00
Fertigate CAN03/KN03				1.00	Mar										
FERTIGATION LABOR	hour									1.00	8.97				8.97
Calcium Nitrate	lb											89.0000	0.35	31.15	31.15
Potash (60% K20)	cwt											0.5000	29.19	14.60	14.60
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Assail 30 SG	oz											4.0000	6.66	26.64	26.64
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.97				8.97
Calcium Nitrate	lb											89.0000	0.35	31.15	31.15
Potash (60% K20)	cwt											0.5000	29.19	14.60	14.60
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Brigade 2EC	oz											6.0000	0.78	4.68	4.68
Fertigate CAN03/KN03				4.00	Apr										
FERTIGATION LABOR	hour									4.00	35.88				35.88
Calcium Nitrate	lb											356.0000	0.35	124.60	124.60
Potash (60% K20)	cwt											2.0000	29.19	58.38	58.38
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	7.00	3.34	18.82	33.33	0.49	5.69				68.18
Bravo Weather Stick	pt											3.0000	3.72	11.16	11.16
Quadris	oz											22.0000	2.52	55.44	55.44
Fertigate CAN03/KN03				1.00	May										
FERTIGATION LABOR	hour									1.00	8.97				8.97
Calcium Nitrate	lb											89.0000	0.35	31.15	31.15
Potash (60% K20)	cwt											0.5000	29.19	14.60	14.60
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Bravo Weather Stick	pt											2.0000	3.72	7.44	7.44
Fertigate CAN03/KN03				2.00	May										
FERTIGATION LABOR	hour									2.00	17.94				17.94
Calcium Nitrate	lb											178.0000	0.35	62.30	62.30
Potash (60% K20)	cwt											1.0000	29.19	29.19	29.19
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jun	3.49	1.67	9.41	16.67	0.24	2.85				34.09
Brigade 2EC	oz											6.0000	0.78	4.68	4.68

(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, 2012(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	5.13	2.45	0.18	0.31	0.72	7.40					15.47
Harvest Labor Melons cwt				1.00	Jun							200.0000	2.00	400.00		400.00
Pallet Crates-1350lb each												20.0000	19.37	387.40		387.40
Plastic Clean Up				1.00	Jun											
Mulch Lifter	1-Row	2WD 75 hp	0.589			8.39	4.01	0.13	2.36	0.58	6.83					21.72
LABOR MULCH CLEANUP	hour									15.00	134.55					134.55
Irrigation Setup	acre				Mar								1.0000			402.51
TOTALS						62.04	29.66	61.39	113.70	30.68	286.67			2347.10		3303.07
INTEREST ON OPERATING CAPITAL																26.14
UNALLOCATED LABOR																10.11
TOTAL SPECIFIED COST																3339.32

Note: Cost of production estimates are based on 2011 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, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	44.00	1.5000	66.00	_____
Calcium Nitrate	lb	0.35	801.0000	280.35	_____
Potash (60% K20)	cwt	29.19	4.5000	131.36	_____
FUNGICIDE					
Bravo Weather Stick	pt	3.72	5.0000	18.60	_____
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	0.78	12.0000	9.36	_____
SEED/PLANTS					
Watermelon - Diploid	thous	57.00	1.8000	102.60	_____
OTHER					
Plastic Mulch	roll	162.00	1.4000	226.80	_____
Harvest Labor Melons	cwt	2.00	200.0000	400.00	_____
Pallet Crates-1350lb	each	19.37	20.0000	387.40	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	145.00	0.9000	130.50	_____
Rural Water	ac-in	82.00	6.0000	492.00	_____
OPERATOR LABOR					
Tractors	hour	11.59	4.3578	50.52	_____
HAND LABOR					
Implements	hour	8.97	2.3268	20.87	_____
FERTIGATION LABOR					
Special Labor	hour	8.97	9.0000	80.73	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.97	15.0000	134.55	_____
UNALLOCATED LABOR	hour	11.59	0.8715	10.11	_____
DIESEL FUEL					
Tractors	gal	3.40	16.8230	57.19	_____
REPAIR & MAINTENANCE					
Implements	acre	61.39	1.0000	61.39	_____
Tractors	acre	4.85	1.0000	4.85	_____
INTEREST ON OP. CAP.	acre	26.14	1.0000	26.14	_____

TOTAL DIRECT EXPENSES				2793.45	_____
FIXED EXPENSES					
Implements	acre	113.70	1.0000	113.70	_____
Tractors	acre	29.66	1.0000	29.66	_____
Irrigation Setup	acre	402.51	1.0000	402.51	_____

TOTAL FIXED EXPENSES				545.87	_____

TOTAL SPECIFIED EXPENSES				3339.32	_____

Note: Cost of production estimates are based on 2011 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 tapMississippi, 2012

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	66.00	0.00	45.75	228.73	137.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	74.04	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	31.32	0.00	4.68	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	102.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	226.80	0.00	0.00	787.40	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	622.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	5.82	47.71	51.69	37.16	154.40	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	5.49	19.91	6.44	9.67	15.68	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.20	5.58	19.36	29.05	11.05	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.40	0.22	15.45	3.58	2.03	3.46	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	67.40	12.73	1106.34	341.12	289.19	976.67	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-67.40	-12.73	-1106.34	-341.12	-289.19	-976.67	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-67.40	-80.13	-1186.47	-1527.59	-1816.78	-2793.45	-2793.45	-2793.45	-2793.45	-2793.45	-2793.45	-2793.45

Note: Cost of production estimates are based on 2011 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, 2012

			-----BREAKEVEN PRICE-----										
Watermelons			11.80	12.49	13.30	14.24	15.36	16.69	18.32	20.36	22.99	26.48	31.38
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	cwt	-1412 -1958	-1342 -1888	-1262 -1807	-1167 -1713	-1056 -1602	-923 -1468	-759 -1305	-555 -1101	-293 -839	56 -489	545 0
60	120.00	cwt	-1216 -1762	-1132 -1678	-1036 -1581	-923 -1468	-789 -1335	-629 -1175	-433 -979	-188 -734	126 -419	545 0	1133 587
70	140.00	cwt	-1021 -1566	-923 -1468	-810 -1355	-678 -1224	-522 -1068	-335 -881	-106 -652	178 -367	545 0	1035 489	1721 1175
80	160.00	cwt	-825 -1371	-713 -1259	-584 -1129	-433 -979	-255 -801	-41 -587	219 -326	545 0	965 419	1525 979	2308 1762
90	180.00	cwt	-629 -1175	-503 -1049	-358 -903	-188 -734	11 -534	252 -293	545 0	913 367	1385 839	2014 1468	2896 2350
100	200.00	cwt	-433 -979	-293 -839	-132 -677	56 -489	278 -267	545 0	872 326	1280 734	1804 1259	2504 1958	3483 2937
110	220.00	cwt	-237 -783	-83 -629	93 -451	301 -244	545 0	839 293	1198 652	1647 1101	2224 1678	2994 2448	4071 3525
120	240.00	cwt	-41 -587	126 -419	319 -225	545 0	812 267	1133 587	1525 979	2014 1468	2644 2098	3483 2937	4658 4113
130	260.00	cwt	154 -391	336 -209	545 0	790 244	1080 534	1427 881	1851 1305	2382 1836	3064 2518	3973 3427	5246 4700
140	280.00	cwt	350 -195	545 0	771 225	1035 489	1347 801	1721 1175	2178 1632	2749 2203	3483 2937	4463 3917	5834 5288
150	300.00	cwt	545 0	755 209	997 451	1280 734	1614 1068	2014 1468	2504 1958	3116 2570	3903 3357	4952 4406	6421 5875

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 2011 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, 2012

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	31,500	600	8	2.57	11.59	8.75	0.98	21.32	6.02	27.35
Tractor (40-59hp)CB	MFWD 50 hp	32,900	600	8	2.57	11.59	8.75	1.02	21.36	6.29	27.66
Tractor (40-59hp)RB	2WD 50 hp	22,500	600	8	2.57	11.59	8.75	0.70	21.04	4.30	25.34
Tractor (40-59hp)RB	MFWD 50 hp	30,100	600	8	2.57	11.59	8.75	0.94	21.28	5.75	27.03
Tractor (60-89hp)CB	2WD 75 hp	42,100	600	8	3.86	11.59	13.12	1.31	26.03	8.05	34.08
Tractor (60-89hp)CB	MFWD 75 hp	46,500	600	8	3.86	11.59	13.12	1.45	26.16	8.89	35.06
Tractor (60-89hp)RB	2WD 75 hp	35,600	600	8	3.86	11.59	13.12	1.11	25.82	6.80	32.63
Tractor (60-89hp)RB	MFWD 75 hp	39,300	600	8	3.86	11.59	13.12	1.22	25.94	7.51	33.46
Tractor(120-139hp)CB	MFWD 130	98,000	600	8	6.69	11.59	22.75	3.06	37.40	18.74	56.14
Tractor(160-179hp)CB	MFWD 170	134,800	600	8	8.75	11.59	29.75	4.21	45.55	26.95	72.50
Utility Vehicle	600CC	9,800	200	8	0.50	11.59	1.75	1.53	14.87	6.13	21.00

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, 2012

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		33,310	1000	10	1.07	2.220	25.72	6.17	1.40	33.31	8.53	41.84
Sprayer 110 gal	30' 47hp	40,300	350	6	2.14	0.035	0.56	0.25	0.10	0.92	0.62	1.55
Sprayer(300-450GAL)	60'	98,100	350	8	5.66	0.017	0.28	0.33	0.09	0.71	0.61	1.33
Truck	1 ton +	41,000	780	5	0.72	1.730	20.05	4.23	1.27	25.55	16.23	41.79
Truck	1/2 ton	24,800	1040	5	1.36	2.310	26.77	10.99	1.65	39.42	9.83	49.25
Utility Vehicle	800CC	7,600	200	8	0.70	0.249	2.89	0.61	0.29	3.80	1.18	4.99

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, 2012

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---	Total Direct	--Fixed--	Total Cost		
			dollars	hours	years	hr/ac			Imp. P.U.	\$/acre	Imp. P.U.			
Bd Shaper Cucumber	Bed 4'cntr	2WD 75 hp	2,388	81	16	1.617	18.74	21.23	1.43	1.79	43.21	4.14	11.01	58.37
Bd Shaper Melons	Bed 8'cntr	2WD 75 hp	2,388	40	16	0.808	9.37	10.61	1.44	0.89	22.33	4.19	5.50	32.04
Bd Shaper Squash	Bed 5'cntr	2WD 75 hp	2,388	65	16	1.294	14.99	16.98	1.42	1.43	34.85	4.13	8.81	47.79
Bd Shaper Tomato	Bed 6'cntr	2WD 75 hp	2,388	54	16	1.078	12.49	14.15	1.43	1.19	29.28	4.14	7.34	40.77
Bd Shaper/LayCucumbe	Bed 4'cntr	2WD 75 hp	3,974	81	16	1.617	33.25	21.23	2.38	1.79	58.67	6.89	11.01	76.58
Bd Shaper/LayMelon	Bed 8'cntr	2WD 75 hp	3,974	40	16	0.808	16.62	10.61	2.41	0.89	30.55	6.98	5.50	43.04
Bd Shaper/LaySquash	Bed 5'cntr	2WD 75 hp	3,974	65	16	1.294	26.60	16.98	2.37	1.43	47.40	6.87	8.81	63.09
Bd Shaper/LayTomato	Bed 6'cntr	2WD 75 hp	3,974	54	16	1.078	22.17	14.15	2.38	1.19	39.90	6.89	7.34	54.14
Bd Shaper/P-bdCucumb	Bed 4'cntr	2WD 75 hp	10,200	81	16	1.617	18.74	21.23	6.11	1.79	47.89	17.95	11.01	76.85
Bd Shaper/P-bdMelon	Bed 8'cntr	2WD 75 hp	10,200	40	16	0.808	9.37	10.61	6.18	0.89	27.07	18.17	5.50	50.76
Bd Shaper/P-bdSquash	Bed 5'cntr	2WD 75 hp	10,200	65	16	1.294	14.99	16.98	6.09	1.43	39.51	17.89	8.81	66.22
Bd Shaper/P-bdTomato	Bed 6'cntr	2WD 75 hp	10,200	54	16	1.078	12.49	14.15	6.11	1.19	33.96	17.95	7.34	59.25
Bd Shaper3XCucumber	Bed 4'cntr	2WD 75 hp	5,782	81	16	1.617	33.25	21.23	3.46	1.79	59.75	9.93	11.01	80.70
Bd Shaper3XMelon	Bed 8'cntr	2WD 75 hp	5,782	40	16	0.808	16.62	10.61	3.50	0.89	31.65	10.06	5.50	47.22
Bd Shaper3XSquash	Bed 5'cntr	2WD 75 hp	5,782	65	16	1.294	26.60	16.98	3.45	1.43	48.48	9.90	8.81	67.20
Bd Shaper3XTomato	Bed 6'cntr	2WD 75 hp	5,782	54	16	1.078	22.17	14.15	3.46	1.19	40.99	9.93	7.34	58.27
BS, L,T,FumigTomato	Bed 6'cntr	2WD 75 hp	6,331	54	16	1.078	41.51	14.15	3.79	1.19	60.66	10.98	7.34	78.99
BS, L,T,Fung BPepper	Bed 6'cntr	2WD 75 hp	6,331	54	16	1.078	41.51	14.15	3.79	1.19	60.66	10.98	7.34	78.99
BS, Lay/Tape BPepper	Bed 6'cntr	2WD 75 hp	4,247	54	16	1.078	12.49	14.15	2.54	1.19	30.39	7.36	7.34	45.11
BS, Lay/Tape/Melon	Bed 8'cntr	2WD 75 hp	4,247	40	16	0.808	9.37	10.61	2.57	0.89	23.46	7.46	5.50	36.43
BS, Lay/Tape/Pumpkin	Bed 8'cntr	2WD 75 hp	4,247	40	16	0.808	9.37	10.61	2.57	0.89	23.46	7.46	5.50	36.43
BS, Lay/Tape/Squash	Bed 5'cntr	2WD 75 hp	4,247	65	16	1.294	14.99	16.98	2.53	1.43	35.96	7.34	8.81	52.11
BS, Lay/Tape/Tomato	Bed 6'cntr	2WD 75 hp	4,247	54	16	1.078	12.49	14.15	2.54	1.19	30.39	7.36	7.34	45.11
BS,Lay/Tape/Cucumber	Bed 4'cntr	2WD 75 hp	4,247	81	16	1.617	18.74	21.23	2.54	1.79	44.32	7.36	11.01	62.70
Chain Harrow		600CC	555	100	1	0.343	3.98	0.60	0.01	0.52	5.13	1.98	2.10	9.22
Chisel Plow	7'	2WD 75 hp	3,685	150	12	0.220	2.55	2.89	0.29	0.24	5.98	0.51	1.50	8.00
Chisel Plow Folding	16'	MFWD 170	21,300	150	12	0.116	1.35	3.47	0.89	0.49	6.21	1.58	3.14	10.94
Cult - Rolling	2-Row	2WD 75 hp	3,740	47	27	0.310	3.60	4.07	0.36	0.34	8.38	1.65	2.11	12.16
Cult - Rolling	4-Row	2WD 75 hp	6,625	25	27	0.165	1.91	2.16	0.64	0.18	4.91	2.93	1.12	8.98
Cult - Rolling+Fert	2-Row	2WD 75 hp	7,080	31	27	0.310	3.60	4.07	1.05	0.34	9.07	4.76	2.11	15.95
Cult - Rolling+Fert	4-Row	2WD 75 hp	11,660	17	27	0.165	2.65	2.16	1.67	0.18	6.68	7.60	1.12	15.42
Cult - Rotary Hoe	12'	2WD 75 hp	4,870	32	27	0.214	2.49	2.81	0.48	0.23	6.03	2.19	1.46	9.69
Cult - Rotary Hoe	15'	2WD 75 hp	4,444	26	27	0.171	1.99	2.25	0.43	0.19	4.87	1.97	1.17	8.01
Cultipacker	12'	2WD 75 hp	4,850	300	12	0.124	1.44	1.63	0.14	0.13	3.35	0.19	0.84	4.40
Cultivate	1-Row	2WD 75 hp	1,250	110	27	0.589	6.82	7.73	0.09	0.65	15.31	0.44	4.01	19.78
Cultivate	2-Row	2WD 75 hp	1,465	59	27	0.312	3.62	4.10	0.11	0.34	8.18	0.52	2.12	10.83
Cultivate	4-Row	2WD 75 hp	1,459	29	10	0.155	1.79	2.03	0.31	0.17	4.31	0.83	1.05	6.21
Cultivate - Heavy	4R-38	2WD 50 hp	10,400	150	10	0.155	1.79	1.35	0.43	0.10	3.69	1.15	0.66	5.51
Cultivate - Heavy	8R-42	MFWD 130	20,400	150	10	0.073	0.85	1.67	0.40	0.22	3.15	1.07	1.38	5.61
Cultivate+App Herb	4-Row	2WD 75 hp	2,009	150	10	0.193	3.11	2.54	0.10	0.21	5.97	0.27	1.32	7.57
Cultivate+App Ins	2-Row	2WD 75 hp	2,015	150	10	0.390	6.27	5.12	0.20	0.43	12.05	0.56	2.66	15.27
Cultivate+App Ins	4-Row	2WD 75 hp	2,009	150	10	0.193	3.11	2.54	0.10	0.21	5.97	0.27	1.32	7.57
Cultivate+Sidedress	2-Row	2WD 75 hp	3,194	39	27	0.390	6.27	5.12	0.47	0.43	12.31	2.14	2.66	17.12
Cultivate+Sidedress	4-Row	2WD 75 hp	4,819	19	27	0.193	3.11	2.54	0.72	0.21	6.60	3.29	1.32	11.22
Disc Mower	10'	2WD 75 hp	10,900	200	8	0.206	2.39	2.70	1.40	0.22	6.73	1.58	1.40	9.71
Disk + Incorporate	10'	2WD 75 hp	7,930	200	10	0.206	3.31	2.70	0.49	0.22	6.74	0.87	1.40	9.02
Disk + Incorporate	14'	2WD 75 hp	26,200	200	10	0.147	2.36	1.93	1.15	0.16	5.62	2.07	1.00	8.70
Disk Bed	2-Row	2WD 75 hp	4,449	160	10	0.284	3.29	3.72	0.23	0.31	7.57	0.94	1.93	10.45
Disk Bed	4-Row	2WD 75 hp	7,100	160	10	0.140	1.63	1.85	0.25	0.15	3.89	0.67	0.96	5.52
Disk Bed (Hipper)	8R-40	MFWD 130	15,100	160	10	0.070	0.81	1.60	0.26	0.21	2.90	0.71	1.32	4.93
Disk Bed + Spray PD	8R-40	MFWD 130	20,200	160	10	0.070	0.81	1.60	0.35	0.21	2.99	0.95	1.32	5.27
Disk Bed +App Fert	4-Row	2WD 75 hp	10,460	160	10	0.140	2.26	1.85	0.36	0.15	4.64	0.99	0.96	6.59
Disk Harrow	10'	2WD 75 hp	7,930	180	10	0.198	2.29	2.60	0.43	0.22	5.55	0.93	1.35	7.84
Disk Harrow	14'	2WD 75 hp	21,100	180	10	0.141	1.64	1.85	0.83	0.15	4.48	1.78	0.96	7.23
Disk Harrow	24'	MFWD 170	33,000	180	10	0.082	0.95	2.45	0.75	0.34	4.52	1.62	2.22	8.37
Disk Harrow-Hvy Duty	5'	2WD 75 hp	1,730	180	10	0.412	4.78	5.41	0.19	0.45	10.85	0.42	2.80	14.08
Ditcher		2WD 50 hp	4,390	200	10	0.020	0.23	0.17	0.03	0.01	0.45	0.04	0.08	0.58
Fert-Cyclone Spin	750 lb	2WD 75 hp	1,000	50	8	0.084	0.97	1.10	0.06	0.09	2.23	0.23	0.57	3.04
Fert-Side Dresser	1R 3'	2WD 75 hp	3,414	42	10	0.846	9.80	11.10	2.06	0.94	23.91	8.20	5.76	37.88
Fert-Side Dresser	2R 6'	2WD 75 hp	4,103	21	10	0.423	4.90	5.55	2.47	0.47	13.40	9.86	2.88	26.14
Fert-Side Dresser	4R-40	2WD 75 hp	5,607	10	10	0.195	2.26	2.56	3.28	0.21	8.32	13.06	1.32	22.71
Fert-Sprd Pull Type	6'	2WD 75 hp	3,755	10	10	0.392	4.55	5.15	4.42	0.43	14.57	17.59	2.67	34.84
Fert-Sprd Pull Type	8'	2WD 75 hp	4,070	15	10	0.294	3.41	3.86	2.39	0.32	10.00	9.53	2.00	21.55
Fert-Sprd Pull Type	10'	2WD 75 hp	4,450	12	10	0.235	2.73	3.09	2.62	0.26	8.71	10.42	1.60	20.74
Fert-Sprd Pull Type	12'	2WD 75 hp	4,850	10	10	0.196	2.27	2.57	2.85	0.21	7.93	11.36	1.33	20.63
Front End Loader	.5yd	2WD 75 hp	5,600	100	10	0.600	6.95	7.87	1.00	0.66	16.50	4.14	4.08	24.73
Harvester,Swt.Potato	2 Row	MFWD 170	29,500	300	15	1.011	66.13	30.07	5.83	4.25	106.30	9.06	27.24	142.61
Mulch Lifter	1-Row	2WD 75 hp	1,900	29	30	0.589	6.82	7.73	0.12	0.65	15.34	2.36	4.01	21.72
Mule Train (Corn)	30'	MFWD 75 hp	60,000	12	25	0.229	68.43	3.00	11.45	0.28	83.18	74.07	1.72	158.98
Picker Beans/Peas	1-Row	2WD 75 hp	34,600	179	10	3.571	105.46	46.87	48.32	3.97	204.63	36.24	24.32	265.20
Picker Corn	1-Row	2WD 75 hp	42,000	42	10	0.840	9.73	11.02	25.21	0.93	46.91	44.11	5.72	96.75

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2012 (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	9.37	10.61	1.40	0.89	22.29	4.05	5.50	31.85	
Plastic Layer Squash	Bed 5'cntr	2WD 75 hp	2,310	65	16	1.294	14.99	16.98	2.29	1.43	35.72	3.99	8.81	48.53	
Plastic Layer Tomato	Bed 6'cntr	2WD 75 hp	2,310	54	16	1.078	12.49	14.15	2.30	1.19	30.16	4.00	7.34	41.51	
Plastic Lyr Cucumber	Bed 4'cntr	2WD 75 hp	2,310	81	16	1.617	18.74	21.23	2.30	1.79	44.08	4.00	11.01	59.11	
Plntr - Vacuum	1-Row	2WD 75 hp	4,885	53	18	1.057	12.25	13.88	4.87	1.17	32.19	7.92	7.20	47.32	
Plntr - Vacuum	2-Row	2WD 75 hp	7,630	20	18	0.396	4.59	5.20	7.56	0.44	17.80	12.30	2.70	32.81	
Plntr - Vacuum	4-Row	2WD 75 hp	15,600	11	18	0.226	2.62	2.97	16.07	0.25	21.92	26.13	1.54	49.60	
Plntr - Vacuum+Ins	1-Row	2WD 75 hp	5,500	53	18	1.057	12.25	13.88	5.48	1.17	32.80	8.92	7.20	48.93	
Plntr - Vacuum+Ins	2R 30-40	2WD 75 hp	8,650	20	18	0.396	4.59	5.20	8.57	0.44	18.82	13.95	2.70	35.47	
Plntr - Vacuum+Ins	4R 30-40	2WD 75 hp	17,000	11	18	0.226	2.62	2.97	17.51	0.25	23.36	28.48	1.54	53.39	
Plntr - Vacuum+Ins	Bed 4'cntr	2WD 75 hp	5,500	40	18	0.793	9.19	10.41	5.45	0.88	25.94	8.87	5.40	40.21	
Plntr - Vacuum+Ins	Bed 5'cntr	2WD 75 hp	5,500	32	18	0.634	7.35	8.32	5.45	0.70	21.84	8.87	4.32	35.03	
Plntr - Vacuum+Ins	Bed 6'cntr	2WD 75 hp	5,500	26	18	0.528	6.12	6.94	5.59	0.58	19.25	9.09	3.60	31.95	
Plntr - Vacuum+Ins	Bed 8'cntr	2WD 75 hp	5,500	20	18	0.396	4.59	5.20	5.45	0.44	15.69	8.87	2.70	27.26	
Plntr/H2O Cucumber	1R 4'cntr	2WD 75 hp	2,300	129	17	2.578	99.25	33.83	2.29	2.86	138.26	3.80	17.55	159.62	
Plntr/H2O Cucumber	2R 4'cntr	2WD 75 hp	5,000	129	17	1.289	72.75	16.91	2.49	1.43	93.60	4.13	8.77	106.52	
Plntr/H2O Melon	1R 8'cntr	2WD 75 hp	2,300	64	17	0.645	24.83	8.46	1.15	0.71	35.18	1.91	4.39	41.49	
Plntr/H2O Melon	2R 8'cntr	2WD 75 hp	5,000	64	17	0.644	36.37	8.45	2.51	0.71	48.07	4.16	4.38	56.62	
Plntr/H2O Squash	1R 5'cntr	2WD 75 hp	2,300	103	17	2.062	79.40	27.07	2.30	2.29	111.07	3.81	14.04	128.93	
Plntr/H2O Squash	2R 5'cntr	2WD 75 hp	5,000	103	17	1.031	58.20	13.53	2.50	1.14	75.38	4.14	7.02	86.55	
Plntr/H2O Tomato	1R 6'cntr	2WD 75 hp	2,300	86	17	1.718	66.17	22.55	2.29	1.91	92.94	3.80	11.70	108.45	
Plntr/H2O Tomato	2R 6'cntr	2WD 75 hp	5,000	86	17	0.859	48.50	11.27	2.49	0.95	63.23	4.13	5.85	73.22	
Plntr/H2O Wheel	2-Row	2WD 75 hp	5,000	74	17	1.473	83.14	19.33	4.97	1.63	109.10	8.24	10.03	127.37	
Plntr/H2O/pnch/seed	1-Row	2WD 75 hp	4,400	129	17	2.578	53.00	33.83	4.39	2.86	94.10	7.28	17.55	118.94	
Plntr/H2O/pnch/seed	2R 18-60	2WD 75 hp	7,180	129	17	1.586	32.61	20.82	4.41	1.76	59.62	7.31	10.80	77.73	
Plntr/Transplant-H2O	4R 36-48	2WD 75 hp	13,400	34	17	0.687	63.47	9.02	0.31	0.76	73.57	22.32	4.68	100.58	
Plntr/Transplanter	1-Row	2WD 75 hp	2,390	31	19	1.586	61.08	20.82	0.12	1.76	83.80	9.66	10.80	104.26	
Plntr/Transplanter	4R 36-48	2WD 75 hp	16,600	300	19	0.687	63.46	9.02	0.04	0.76	73.29	3.00	4.68	80.98	
Plntr/Transplanter	8R-42	MFWD 170	26,700	150	19	0.333	57.19	9.91	0.06	1.40	68.58	4.68	8.98	82.25	
Rotary Cutter	7'	2WD 75 hp	3,950	185	10	0.169	1.96	2.22	0.54	0.18	4.91	0.38	1.15	6.45	
Rotary Tiller	5'	2WD 75 hp	1,910	49	18	0.970	11.24	12.73	2.64	1.07	27.71	3.06	6.60	37.38	
Spray (Broadcast)	27'	2WD 50 hp	5,100	200	8	0.062	1.00	0.54	0.14	0.04	1.74	0.18	0.26	2.20	
Spray (Broadcast)	60'	MFWD 130	11,100	200	8	0.028	0.45	0.64	0.14	0.08	1.32	0.17	0.52	2.03	
Sprayer Air Blast	16' 100 ga	2WD 75 hp	9,200	12	16	0.245	2.84	3.22	9.41	0.27	15.75	16.66	1.67	34.09	
Sprayer Air Blast	16' 200 ga	2WD 75 hp	13,615	12	16	0.245	2.84	3.22	13.92	0.27	20.27	24.66	1.67	46.60	
Stalk Shredder-Flail	15'	2WD 50 hp	18,700	185	10	0.110	1.28	0.97	0.44	0.07	2.78	1.33	0.47	4.59	
Sub-Soiler	1 shank	2WD 75 hp	585	54	23	1.078	12.49	14.15	0.35	1.19	28.20	0.84	7.34	36.39	
Sub-Soiler	2 shank	2WD 75 hp	1,660	20	23	0.404	4.68	5.30	1.00	0.44	11.45	2.43	2.75	16.64	
Take Up Reel (M&T)	1-Row	2WD 75 hp	2,599	42	10	0.588	6.81	7.72	1.09	0.65	16.28	4.37	4.00	24.66	
Take Up Reel (Mulch)	1-Row	2WD 75 hp	1,400	42	10	0.588	6.81	7.72	0.58	0.65	15.78	2.35	4.00	22.14	
Trailer - Snap Bean	16'	2WD 75 hp	1,883	179	15	3.571	73.42	46.87	2.00	3.97	126.28	3.42	24.32	154.02	
Trailer - Vegetables	16'	2WD 75 hp	1,883	200	15	0.090	1.85	1.18	0.04	0.10	3.17	0.07	0.61	3.86	
Trailer Utility	10'	2WD 50 hp	1,171	200	15	0.600	6.95	5.25	0.09	0.42	12.71	0.32	2.58	15.62	
Trailer Water	10'	2WD 50 hp	1,171	150	10	0.600	6.95	5.25	0.18	0.42	12.81	0.55	2.58	15.95	
Trailer(MuleTrn)Corn	16'	2WD 75 hp	1,883	12	15	0.229	6.76	3.00	1.91	0.25	11.94	3.27	1.56	16.78	
Trailer-Lima/B. Bean	16'	2WD 75 hp	1,883	179	15	3.571	73.42	46.87	2.00	3.97	126.28	3.42	24.32	154.02	
Trailer-Southern Pea	16'	2WD 75 hp	1,883	179	15	3.571	73.42	46.87	2.00	3.97	126.28	3.42	24.32	154.02	
Trailer-Sweet Potato	16'	MFWD 130	1,883	12	15	0.598	6.94	13.62	5.01	1.83	27.40	8.56	11.22	47.19	

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, 2012

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
ADJUVANT			Roundup Power Max	pt	2.28
Crop oil Conc. (Veg)	pt	3.36	Roundup Power Max	oz	0.14
CUSTOM			Roundup WeatherMax	pt	3.28
Contract Plt BPepper	1000pl	13.75	Roundup WeatherMax	oz	0.21
Custom Apply Fert	acre	9.00	Sandea	oz	39.95
Custom Haul Swt. Pot	acre	70.00	Select 2EC	oz	1.53
Custom Skid Loader-2	acre	13.63	Solicam DF	lb	24.75
CustomHarvest Tomato	box	1.00	Stinger	oz	5.47
Fuel Skid Loader (2)	acre	7.10	Strategy	pt	10.02
Scouting Sweetpotato	acre	15.00	Surflan AS	qt	12.64
Site Prep w/Dozer	acre	213.00	Treflan 4D	pt	3.12
Trapping	acre	1.00	Valor SX	oz	4.58
FERTILIZER			INSECTICIDE		
Amm Nitrate (34%)	cwt	20.58	Admire Pro	oz	2.15
Amm. Sulfate(21%N)	lb	0.28	Agri-Mek 15EC	oz	1.17
Boron (15G Sol)	lb	0.40	Ambush 25WP	lb	10.50
Calcium Nitrate	lb	0.35	Asana XL	oz	0.71
Fert 13-13-13	cwt	15.43	Assail 30 SG	oz	6.66
Fert 15-30-15	lb	0.23	Brigade 2EC	oz	0.78
Fert 5-20-30+S+B	cwt	27.61	Brigade WSB	lb	21.00
Lime (Spread)	ton	44.00	Confirm 2F	oz	1.68
Phosphorus(46% P205)	cwt	28.65	Diazinon AG600	pt	5.92
Potash (60% K20)	cwt	29.19	Dimethoate 4EC	pt	5.50
FUNGICIDE			Dipel ES	pt	4.56
Botran 75W	lb	19.00	Endosulfan 3EC	pt	3.75
Bravo Weather Stick	pt	3.72	Gaucha 600	oz	5.75
Cabrio	oz	2.14	Imidan 70 WSB	lb	10.56
Captan 50 WP	lb	5.05	K-Pam HL	gal	8.90
Dithane Rainshield	lb	2.25	Lannate LV	pt	9.56
Headline EC	oz	2.66	Lorsban 15G	lb	1.85
Kocide 2000	lb	6.15	Lorsban 4E	pt	5.00
Kocide 3000	lb	8.50	Malathion 5E	pt	4.44
Manzate FL	pt	4.60	Mustang Max	oz	1.43
Manzate Prostick	lb	3.48	Oberon 2SC	oz	4.48
Mertect 340-F	oz	2.73	Orthene 90 S	lb	3.25
Nova 40W	oz	4.00	Penncap-M	pt	4.59
Previcur Flex	oz	0.65	Poncho	oz	0.62
Pristine	oz	2.65	Provado 1.6	oz	1.94
Procure 480SC	oz	2.24	Radiant 1SC	oz	5.30
Quadris	oz	2.52	Sevin XLR Plus	qt	11.13
Ridomil Gold	oz	6.25	Spintor 2SC	oz	5.30
Ridomil Gold BravoSC	oz	0.72	Thionex 3EC	pt	3.47
Ridomil Gold MZ	lb	12.46	IRRIGATION SUPPLIES		
Telone II	pt	2.56	Adapter(Reg to Head)	1 1/2"	3.55
Tilt	oz	1.25	Barb Lock Sleeve	1/4"	0.45
Topsin 4.5L	oz	0.56	Cost of PumpingWater	6" in	24.00
HERBICIDE			Coupler	5/8"	0.58
Accent DF 75%	oz	26.71	Drip Tape	roll	145.00
Assure 1l	oz	0.84	End Plug for Header	1 1/2"	1.72
Atrazine 4L	pt	2.04	Feeder Tube	ft	0.10
Basagran	pt	11.69	Fertigation System	each	207.00
Bicep II Magnum	pt	5.50	Header Line 1 1/2"	ft	0.26
Command 3ME	pt	14.75	Hole Punch	1/4"	6.00
Dacthal W-75	lb	17.35	Hose Clamp	1 1/2"	0.70
Dual II Magnum	pt	12.25	Pressure Regulator	12 PSI	33.50
Dual Magnum	pt	12.25	PVC Female Adaptor	1 1/2"	2.48
Eptam 7E	pt	4.87	PVC Fitting (adpt)	1 1/2"	1.07
Fusilade DX	oz	1.13	PVC Fitting (bush)	1 1/2"	1.99
Glyphosate 3lbs a.e.	pt	1.75	Rural Water	ac-in	82.00
Glyphosate 3lbs a.e.	oz	0.11	Transfer Barb	1/4"	0.23
Glystar Plus	pt	1.56	Y Filter	1"	18.00
Goal 2XL	pt	9.31	OTHER		
Gramonone Inteon	oz	0.25	15g tub Bell Pepper	each	7.50
Lorox 50 DF	lb	18.23	5-Gal Bucket	each	3.88
Outlook	pt	20.63	Bin Repair	each	1.50
Permit 75DF	oz	17.88	Bin Sweetpotato	each	75.00
Poast 1.53	pt	10.22	Bin Vegetable	each	75.00
Prefar 4E	pt	7.75	Bins/Stacking	each	2.00
Princep 4L	pt	2.78	Box Cabbage	each	2.45
Roundup Original Max	pt	6.00	Box Sweetpotato	each	1.48

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi 2012 (continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Box Tomato	box	1.84	SEED/PLANTS		
Boxes-Waxed	each	1.60	Broccoli - Hybrid	lb	1143.00
Bushel Box	each	1.54	Broccoli Plants	thous	39.75
Clean, grade, pack	box	2.00	Cabbage - Hybrid	lb	594.00
Clean, grade, pack	lb	0.01	Cabbage Plants	thous	31.50
Cooling Box - Greens	box	0.25	Collard Seed - OP	lb	10.00
Cooling Snap Beans	bu box	0.75	Collard Seed -Hybrid	lb	192.00
CoolingBox S.Cabbage	box	0.25	Cucumber - Hybrid	lb	172.00
Crate Sweetpotato	each	8.00	Greens - Hybrid	lb	92.00
Crates - Sweet Corn	each	2.25	Greens - OP	lb	10.00
Grd & Pack S.Cabbage	box	1.40	Lima Bean - Hybrid	lb	3.00
Hand Weeding Swt.Pot	acre	20.00	Mustard Seed - OP	lb	18.00
Harv.Labor S.Cabbage	box	1.35	Mustard Seed -Hybrid	lb	63.00
Harvest Labor Melons	cwt	2.00	Okra - Hybrid	lb	171.00
Harvest Labor Pepper	bu	0.70	Okra - OP	lb	6.00
Ice	cwt	7.10	Pepper Plants	100plt	9.58
Ice + Cooling	crate	0.70	Peppers	lb	4533.00
Ice + Cooling	box	0.75	Peppers - OP	lb	18.00
Labor Clean up	acre	100.00	Pumpkin Seed Hybrid	lb	79.00
Labor(Packing)	each	0.75	Snap Beans - Hybrid	lb	6.00
Marketing Fee	box	1.00	Southern Peas - OP	lb	4.00
Midas 50/50	lb	9.00	Squash - Hybrid	lb	164.00
Mythl Bromide 67/33	lb	5.90	Sweet Corn - Hybrid	lb	15.00
Pallet Crates-1350lb	each	19.37	Sweetpotato Plants	thous	25.00
Plastic Mulch	roll	162.00	Tomato - Hybrid	lb	8639.00
Plastic string	6000'	9.00	Tomato Plants-Hybrid	thous	112.25
Sacks - S Peas	each	0.41	Turnip - Hybrid	lb	65.00
Soil Test	each	6.00	Turnip Seed - OP	lb	10.00
Soil Test Probe	each	75.00	Watermelon - Diploid	lb	594.00
Sweet Potato Broker	box	1.00	Watermelon - OP	lb	33.00
Sweetpotato Storage	cwt	2.00	Watermelon -Triploid	lb	1785.00
Wood Stakes	100	0.52	Watermelon -Triploid	thous	172.00

Appendix Table 5. Estimated fuel prices and interest rates,
Mississippi, 2012

ITEM NAME	UNIT	PRICE
		dollars
FUEL TYPES		
Diesel Fuel	gal	3.40
Gasoline	gal	3.50
LP Gas	gal	2.60
INTEREST RATES		
Short-term	%	4.25
Intermediate-term	%	5.25

Appendix Table 6. Labor names, units and wage rates,
Mississippi, 2012

Item name	Unit	Wage Rate
OPERATOR LABOR	hour	11.59
HARVEST LABOR	hour	8.97
PLANTING LABOR	hour	8.97
GRADE & PACK LABOR	hour	8.97
MARKETING LABOR	hour	8.97
HAND & STOR LABOR	hour	8.97
HAND LABOR	hour	8.97
FERTIGATION LABOR	hour	8.97
HARVEST & PACK LABOR	hour	8.97
HARVEST LABOR BEANS	hour	8.97
LABOR BEAN TRAILER	hour	8.97
GRD LABOR S. PEAS	hour	8.97
TRAILER LABOR S. PEA	hour	8.97
TRAILER LABOR CABBAG	hour	8.97
LABOR MULCH CLEANUP	hour	8.97
GRD LABOR LIMA BEANS	hour	8.97
GRD LABOR S. BEANS	hour	8.97
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, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
IRRIGATION SUPPLIES					
Fertigation System	each	207.00	1.0000	207.00	_____
Barb Lock Sleeve	1/4"	0.45	45.0000	20.25	_____
Transfer Barb	1/4"	0.23	45.0000	10.35	_____
Feeder Tube	ft	0.10	50.0000	5.00	_____
Header Line 1 1/2"	ft	0.26	300.0000	78.00	_____
Adapter(Reg to Head)	1 1/2"	3.55	1.0000	3.55	_____
End Plug for Header	1 1/2"	1.72	1.0000	1.72	_____
Hose Clamp	1 1/2"	0.70	2.0000	1.40	_____
Pressure Regulator	12 PSI	33.50	1.0000	33.50	_____
PVC Female Adaptor	1 1/2"	2.48	1.0000	2.48	_____
Y Filter	1"	18.00	1.0000	18.00	_____
PVC Fitting (bush)	1 1/2"	1.99	1.0000	1.99	_____
PVC Fitting (adpt)	1 1/2"	1.07	1.0000	1.07	_____
Hole Punch	1/4"	6.00	1.0000	6.00	_____
Coupler	5/8"	0.58	4.0000	2.32	_____

TOTAL DIRECT EXPENSES				392.63	_____

TOTAL INTEREST				20.61	_____

TOTAL SPECIFIED EXPENSES				413.24	_____

Note: Cost of production estimates are based on 2011 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 \$413.24 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, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
IRRIGATION SUPPLIES					
Fertigation System	each	207.00	1.0000	207.00	_____
Barb Lock Sleeve	1/4"	0.45	40.0000	18.00	_____
Transfer Barb	1/4"	0.23	40.0000	9.20	_____
Feeder Tube	ft	0.10	50.0000	5.00	_____
Header Line 1 1/2"	ft	0.26	300.0000	78.00	_____
Adapter(Reg to Head)	1 1/2"	3.55	1.0000	3.55	_____
End Plug for Header	1 1/2"	1.72	1.0000	1.72	_____
Hose Clamp	1 1/2"	0.70	2.0000	1.40	_____
Pressure Regulator	12 PSI	33.50	1.0000	33.50	_____
PVC Female Adaptor	1 1/2"	2.48	1.0000	2.48	_____
Y Filter	1"	18.00	1.0000	18.00	_____
PVC Fitting (bush)	1 1/2"	1.99	1.0000	1.99	_____
PVC Fitting (adpt)	1 1/2"	1.07	1.0000	1.07	_____
Hole Punch	1/4"	6.00	1.0000	6.00	_____
Coupler	5/8"	0.58	4.0000	2.32	_____
TOTAL DIRECT EXPENSES				389.23	_____
TOTAL INTEREST				20.43	_____
TOTAL SPECIFIED EXPENSES				409.66	_____

Note: Cost of production estimates are based on 2011 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 \$409.66 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, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
IRRIGATION SUPPLIES					
Fertigation System	each	207.00	1.0000	207.00	_____
Barb Lock Sleeve	1/4"	0.45	30.0000	13.50	_____
Transfer Barb	1/4"	0.23	30.0000	6.90	_____
Feeder Tube	ft	0.10	50.0000	5.00	_____
Header Line 1 1/2"	ft	0.26	300.0000	78.00	_____
Adapter(Reg to Head)	1 1/2"	3.55	1.0000	3.55	_____
End Plug for Header	1 1/2"	1.72	1.0000	1.72	_____
Hose Clamp	1 1/2"	0.70	2.0000	1.40	_____
Pressure Regulator	12 PSI	33.50	1.0000	33.50	_____
PVC Female Adaptor	1 1/2"	2.48	1.0000	2.48	_____
Y Filter	1"	18.00	1.0000	18.00	_____
PVC Fitting (bush)	1 1/2"	1.99	1.0000	1.99	_____
PVC Fitting (adpt)	1 1/2"	1.07	1.0000	1.07	_____
Hole Punch	1/4"	6.00	1.0000	6.00	_____
Coupler	5/8"	0.58	4.0000	2.32	_____

TOTAL DIRECT EXPENSES				382.43	_____
TOTAL INTEREST				20.08	_____

TOTAL SPECIFIED EXPENSES				402.51	_____

Note: Cost of production estimates are based on 2011 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 \$402.51 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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