

**TRADITIONAL
AND ORGANIC
VEGETABLES
2009
PLANNING BUDGETS**

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

March 2009

Foreword

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

Acknowledgments

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

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

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

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2009 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 2008. (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 (wholesale), irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2009

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.3300	38.00	12.54	12.54
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Sep	2.05	1.14	0.61	1.45	0.19	2.16				7.41
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Oct	2.05	1.14	0.61	1.45	0.19	2.16				7.41
Cyclone Spin	825 Lb	2WD 75 hp	0.084	1.00	Oct	0.87	0.48	0.06	0.22	0.08	0.92				2.55
Fert 13-13-13	cwt											9.0000	30.00	270.00	270.00
Disk Bed	4 Row	2WD 75 hp	0.140	2.00	Oct	2.92	1.62	0.46	1.37	0.28	3.08				9.45
BS, L,T,Fung BPepper	6ftctr	2WD 75 hp	1.078	1.00	Oct	11.16	6.18	3.38	11.04	4.31	38.98				70.74
Plastic Mulch	roll											1.8000	162.00	291.60	291.60
Mythl Bromide 67/33	lb											200.0000	4.50	900.00	900.00
Drip Tape	roll											1.2000	156.00	187.20	187.20
Spray (Broadcast)	27'	2WD 75 hp	0.062	0.50	Nov	0.34	0.24	0.08	0.11	0.04	0.47				1.24
Goal 2XL	pt											1.2500	10.31	12.89	12.89
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Mar	0.67	0.49	0.16	0.22	0.09	0.94				2.48
Gramoxone Max	pt											2.0000	4.97	9.94	9.94
Trailer Utility	10 ft	2WD 75 hp	0.600	1.00	Mar	6.39	4.68	0.10	0.38	0.60	6.55				18.10
Pepper Plants	100plt											170.0000	3.83	651.10	651.10
Contract Plt BPepper	1000pl											17.0000	13.75	233.75	233.75
Irrigation				1.00	Mar										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Fertigate CAN03/KN03				2.00	Mar										
FERTIGATION LABOR	hour									5.00	42.05				42.05
Calcium Nitrate	lb											100.0000	0.20	20.00	20.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Apr	0.67	0.49	0.16	0.22	0.09	0.94				2.48
Orthene 90 WSP	lb											0.6700	8.10	5.43	5.43
Kocide DF	lb											2.0000	3.42	6.84	6.84
Manzate 75 DF	lb											1.0000	2.65	2.65	2.65
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									5.00	42.05				42.05
Calcium Nitrate	lb											100.0000	0.20	20.00	20.00
Trailer Utility	10 ft	2WD 75 hp	0.600	1.00	Apr	6.39	4.68	0.10	0.38	0.60	6.55				18.10
HAND LABOR	hour									15.00	126.15				126.15
Wood Stakes	100											36.0000	15.00	540.00	540.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	2.00	Apr	1.33	0.98	0.32	0.44	0.18	1.90				4.97
Manzate 75 DF	lb											2.0000	2.65	5.30	5.30
Kocide DF	lb											4.0000	3.42	13.68	13.68
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									5.00	42.05				42.05
Calcium Nitrate	lb											100.0000	0.20	20.00	20.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	2.00	May	1.33	0.98	0.32	0.44	0.18	1.90				4.97
Manzate 75 DF	lb											2.0000	2.65	5.30	5.30
Kocide DF	lb											4.0000	3.42	13.68	13.68
Cult + App Herb	4 Row	2WD 75 hp	0.193	1.00	May	2.00	1.11	0.36	1.08	0.29	2.93				7.48
Gramoxone Max	pt											1.5000	4.97	7.46	7.46

(continued)

Table 1.A Estimated resource use and costs for field operations, per acre
 Bell pepper, fresh market (wholesale), irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2009 (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	42.05					42.05
Calcium Nitrate	lb											100.0000	0.20	20.00		20.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	0.67	0.49	0.16	0.22	0.09	0.94					2.48
Ridomil Gold BravoEC	oz											16.0000	0.76	12.16		12.16
1st Tiewing DB String				1.00	May											
HAND LABOR	hour									8.00	67.28					67.28
Plastic string	6000ft											7.0000	11.00	77.00		77.00
Fertigate CAN03/KN03				2.00	May											
FERTIGATION LABOR	hour									5.00	42.05					42.05
Calcium Nitrate	lb											100.0000	0.20	20.00		20.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	0.67	0.49	0.16	0.22	0.09	0.94					2.48
Lannate LV	pt											1.0000	7.67	7.67		7.67
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	0.67	0.49	0.16	0.22	0.09	0.94					2.48
Ambush 25WP	lb											1.0000	10.60	10.60		10.60
2nd Tiewing DB String				1.00	Jun											
HAND LABOR	hour									5.00	42.05					42.05
Plastic string	6000ft											5.0000	11.00	55.00		55.00
Cultivate	4 Row	2WD 75 hp	0.193	1.00	Jun	2.00	1.11	2.61	7.74	0.19	2.11					15.57
Trailer Utility	10 ft	2WD 75 hp	0.600	1.00	Jun	6.39	4.68	0.10	0.38	0.60	6.55					18.10
HAND LABOR	hour									8.00	67.28					67.28
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	672.80					672.80
Boxes-Waxed	each											1800.0000	1.33	2394.00		2394.00
Rotary Cutter	7 ft	2WD 75 hp	0.169	1.00	Jul	1.75	0.97	0.51	0.40	0.16	1.85					5.48
Take Up Reel (Mulch)	1 Row	2WD 75 hp	0.588	1.00	Jul	6.09	3.37	0.42	1.82	0.58	6.42					18.12
HAND LABOR	hour									12.00	100.92					100.92
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Jul	2.05	1.14	0.61	1.45	0.19	2.16					7.41
Southern Peas - OP	lb											33.0000	4.00	132.00		132.00
Irrigation Setup	acre				Mar							1.0000				459.70
TOTALS						58.46	36.95	11.45	31.25	162.21	1378.12			8492.85		10468.78
INTEREST ON OPERATING CAPITAL																199.79
UNALLOCATED LABOR																12.17
TOTAL SPECIFIED COST																10680.74

Note: Cost of production estimates are based on 2008 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 (wholesale), irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2009

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	38.00	0.3300	12.54	_____
Fert 13-13-13	cwt	30.00	9.0000	270.00	_____
Calcium Nitrate	lb	0.20	500.0000	100.00	_____
FUNGICIDE					
Kocide DF	lb	3.42	10.0000	34.20	_____
Manzate 75 DF	lb	2.65	5.0000	13.25	_____
Ridomil Gold BravoEC	oz	0.76	16.0000	12.16	_____
HERBICIDE					
Goal 2XL	pt	10.31	1.2500	12.89	_____
Gramoxone Max	pt	4.97	3.5000	17.40	_____
INSECTICIDE					
Orthene 90 WSP	lb	8.10	0.6700	5.43	_____
Lannate LV	pt	7.67	1.0000	7.67	_____
Ambush 25WP	lb	10.60	1.0000	10.60	_____
SEED/PLANTS					
Pepper Plants	100plt	3.83	170.0000	651.10	_____
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	4.50	200.0000	900.00	_____
Wood Stakes	100	15.00	36.0000	540.00	_____
Plastic string	6000ft	11.00	12.0000	132.00	_____
Harvest Labor Pepper	bu	0.70	1800.0000	1260.00	_____
15g tub Bell Pepper	each	7.50	30.0000	225.00	_____
Bin Vegetable	each	75.00	8.0000	600.00	_____
Boxes-Waxed	each	1.33	1800.0000	2394.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	1.2000	187.20	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	10.91	5.5802	60.87	_____
GRADE & PACK LABOR					
Special Labor	hour	8.41	80.0000	672.80	_____
HAND LABOR					
Special Labor	hour	8.41	48.0000	403.68	_____
Implements	hour	8.41	3.6299	30.52	_____
FERTIGATION LABOR					
Special Labor	hour	8.41	25.0000	210.25	_____
UNALLOCATED LABOR	hour	10.90	1.1160	12.17	_____
DIESEL FUEL					
Tractors	gal	2.46	21.5419	53.02	_____
REPAIR & MAINTENANCE					
Implements	acre	11.45	1.0000	11.45	_____
Tractors	acre	5.44	1.0000	5.44	_____
INTEREST ON OP. CAP.	acre	199.79	1.0000	199.79	_____
TOTAL DIRECT EXPENSES				10152.84	_____
FIXED EXPENSES					
Implements	acre	31.25	1.0000	31.25	_____
Tractors	acre	36.95	1.0000	36.95	_____
Irrigation Setup	acre	459.70	1.0000	459.70	_____
TOTAL FIXED EXPENSES				527.90	_____
TOTAL SPECIFIED EXPENSES				10680.74	_____

Note: Cost of production estimates are based on 2008 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 (wholesale), irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2009

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	12.54	270.00	0.00	0.00	0.00	0.00	20.00	40.00	40.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.47	31.14	0.00	0.00	0.00
HERBICIDE	0.00	0.00	12.89	0.00	0.00	0.00	9.94	0.00	7.46	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.43	18.27	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	651.10	0.00	0.00	0.00	132.00	0.00
OTHER	0.00	1191.60	0.00	0.00	0.00	0.00	0.00	540.00	77.00	4534.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	187.20	0.00	0.00	0.00	0.00	450.06	0.00	0.00	0.00	0.00	0.00
LABOR	2.59	48.72	0.54	0.00	0.00	0.00	50.99	221.36	160.14	792.52	113.43	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.88	15.60	0.30	0.00	0.00	0.00	6.30	7.49	4.83	7.54	9.08	0.00
REPAIR & MAINTENANCE	0.78	5.91	0.12	0.00	0.00	0.00	1.02	1.48	1.67	3.56	2.35	0.00
INTEREST ON OP. CAP.	0.98	85.94	0.62	0.00	0.00	0.00	35.58	16.89	5.13	53.37	1.28	0.00
TOTAL DIRECT EXPENSES	18.77	1804.97	14.47	0.00	0.00	0.00	1458.74	861.12	345.64	5390.99	258.14	0.00
NET INCOME	-18.77	-1804.97	-14.47	0.00	0.00	0.00	-1458.74	-861.12	-345.64	-5390.99	-258.14	0.00
NET INCOME TO DATE	-18.77	-1823.74	-1838.21	-1838.21	-1838.21	-1838.21	-3296.95	-4158.07	-4503.71	-9894.70	-10152.84	-10152.84

Note: Cost of production estimates are based on 2008 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 (wholesale), irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2009

			-----BREAKEVEN PRICE-----										
Bell Pepper			4.40	4.62	4.87	5.16	5.51	5.93	6.44	7.08	7.90	8.99	10.52
PERCENT	YIELD	UNIT	-----dollars-----										
50	900.00	Bu	-4980	-4783	-4556	-4292	-3979	-3603	-3144	-2570	-1832	-849	527
			-5508	-5311	-5084	-4819	-4506	-4131	-3672	-3098	-2360	-1377	0
60	1080.00	Bu	-4429	-4193	-3921	-3603	-3227	-2777	-2226	-1537	-652	527	2180
			-4957	-4721	-4449	-4131	-3755	-3305	-2754	-2065	-1180	0	1652
70	1260.00	Bu	-3878	-3603	-3285	-2914	-2476	-1950	-1308	-504	527	1905	3833
			-4406	-4131	-3813	-3442	-3004	-2478	-1836	-1032	0	1377	3305
80	1440.00	Bu	-3328	-3013	-2650	-2226	-1725	-1124	-390	527	1708	3282	5485
			-3855	-3541	-3178	-2754	-2253	-1652	-918	0	1180	2754	4957
90	1620.00	Bu	-2777	-2423	-2014	-1537	-974	-298	527	1560	2888	4659	7138
			-3305	-2951	-2542	-2065	-1502	-826	0	1032	2360	4131	6610
100	1800.00	Bu	-2226	-1832	-1378	-849	-223	527	1445	2593	4069	6036	8790
			-2754	-2360	-1906	-1377	-751	0	918	2065	3541	5508	8262
110	1980.00	Bu	-1675	-1242	-743	-160	527	1354	2364	3626	5249	7413	10443
			-2203	-1770	-1271	-688	0	826	1836	3098	4721	6885	9915
120	2160.00	Bu	-1124	-652	-107	527	1279	2180	3282	4659	6429	8790	12095
			-1652	-1180	-635	0	751	1652	2754	4131	5902	8262	11567
130	2340.00	Bu	-573	-62	527	1216	2030	3006	4200	5692	7610	10167	13748
			-1101	-590	0	688	1502	2478	3672	5164	7082	9639	13220
140	2520.00	Bu	-22	527	1163	1905	2781	3833	5118	6725	8790	11544	15400
			-550	0	635	1377	2253	3305	4590	6197	8262	11017	14873
150	2700.00	Bu	527	1118	1799	2593	3532	4659	6036	7757	9971	12922	17053
			0	590	1271	2065	3004	4131	5508	7229	9443	12394	16525

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 2008 input prices.

Table 2.A Estimated resource use and costs for field operations, per acre
 Broccoli - fall, fresh market
 Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Aug	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Aug	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Cyclone Spin	825 Lb	2WD 75 hp	0.084	1.00	Aug	0.87	0.48	0.06	0.22	0.08	0.92				2.55
Fert 13-13-13	cwt											8.0000	30.00	240.00	240.00
Disk + Incorporate	10 Ft	2WD 75 hp	0.206	1.00	Aug	2.14	1.18	1.03	2.03	0.30	3.12				9.50
Treflan HFP	pt											1.5000	3.33	5.00	5.00
Plntr/H2O Wheel	2 Row	2WD 75 hp	1.473	1.00	Aug	15.24	8.44	4.79	9.01	8.83	78.02				115.50
PLANTING LABOR	hour									30.00	252.30				252.30
Broccoli - Hybrid	thous											18.0000	30.50	549.00	549.00
Cult + Apply Ins	4 Row	2WD 75 hp	0.193	1.00	Aug	2.00	1.11	0.36	1.08	0.29	2.93				7.48
Bravo Weather Stick	pt											1.5000	6.25	9.38	9.38
Diazion AG500	pt											1.0000	5.24	5.24	5.24
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Bravo Weather Stick	pt											1.5000	6.25	9.38	9.38
Dipel ES	pt											1.0000	4.26	4.26	4.26
Cultivate+Sidedress	4 Row	2WD 75 hp	0.193	1.00	Sep	2.00	1.11	1.19	6.33	0.29	2.93				13.56
Amm Nitrate (34%)	cwt											2.3000	28.00	64.40	64.40
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Diazion AG500	pt											1.0000	5.24	5.24	5.24
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	4.00	Sep	10.16	5.63	37.99	75.49	0.98	10.72				139.99
Bravo Weather Stick	pt											6.0000	6.25	37.50	37.50
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Oct	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Dipel ES	pt											1.0000	4.26	4.26	4.26
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	1.00	Nov	0.93	0.52	0.03	0.05	0.18	1.74				3.27
HARVEST & PACK LABOR	hour			1.00	Nov					125.00	1051.25				1051.25
Boxes-Waxed	each											300.0000	1.33	399.00	399.00
Ice + Cooling	box											300.0000	0.75	225.00	225.00
TOTALS						47.35	26.23	75.73	154.82	167.33	1418.70			1576.47	3299.30
INTEREST ON OPERATING CAPITAL															36.19
UNALLOCATED LABOR															9.99
TOTAL SPECIFIED COST															3345.48

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.

Table 2.B Estimated costs per acre
 Broccoli - fall, fresh market
 Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Fert 13-13-13	cwt	30.00	8.0000	240.00	_____
Amm Nitrate (34%)	cwt	28.00	2.3000	64.40	_____
FUNGICIDE					
Bravo Weather Stick	pt	6.25	9.0000	56.25	_____
HERBICIDE					
Treflan HFP	pt	3.33	1.5000	5.00	_____
INSECTICIDE					
Diazion AG500	pt	5.24	2.0000	10.48	_____
Dipel ES	pt	4.26	2.0000	8.52	_____
SEED/PLANTS					
Broccoli - Hybrid	thous	30.50	18.0000	549.00	_____
OTHER					
Boxes-Waxed	each	1.33	300.0000	399.00	_____
Ice + Cooling	box	0.75	300.0000	225.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	4.5770	49.93	_____
PLANTING LABOR					
Special Labor	hour	8.41	30.0000	252.30	_____
HAND LABOR					
Implements	hour	8.41	7.7530	65.22	_____
HARVEST & PACK LABOR					
Special Labor	hour	8.41	125.0000	1051.25	_____
UNALLOCATED LABOR	hour	10.91	0.9154	9.99	_____
DIESEL FUEL					
Tractors	gal	2.46	17.6692	43.46	_____
REPAIR & MAINTENANCE					
Implements	acre	75.73	1.0000	75.73	_____
Tractors	acre	3.89	1.0000	3.89	_____
INTEREST ON OP. CAP.	acre	36.19	1.0000	36.19	_____
TOTAL DIRECT EXPENSES				3164.43	_____
FIXED EXPENSES					
Implements	acre	154.82	1.0000	154.82	_____
Tractors	acre	26.23	1.0000	26.23	_____
TOTAL FIXED EXPENSES				181.05	_____
TOTAL SPECIFIED EXPENSES				3345.48	_____

Note: Cost of production estimates are based on 2008 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, 2009

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	18.81	240.00	64.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	9.38	46.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	5.24	9.50	4.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	549.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	624.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	349.63	22.65	3.22	1053.19	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	24.45	15.83	2.33	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	10.21	59.59	9.71	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.47	23.85	3.29	0.19	8.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	19.28	1216.76	222.14	19.71	1686.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-19.28	-1216.76	-222.14	-19.71	-1686.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-19.28	-1236.04	-1458.18	-1477.89	-3164.43	-3164.43	-3164.43	-3164.43	-3164.43	-3164.43	-3164.43	-3164.43

Note: Cost of production estimates are based on 2008 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, 2009

Broccoli			-----BREAKEVEN PRICE-----										
			7.87	8.34	8.88	9.51	10.25	11.15	12.24	13.60	15.35	17.69	20.96
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	211b	-1781	-1711	-1630	-1536	-1425	-1291	-1127	-923	-660	-309	181
			-1962	-1892	-1811	-1717	-1606	-1472	-1308	-1104	-841	-490	0
60	180.00	211b	-1585	-1501	-1404	-1291	-1157	-996	-800	-555	-239	181	769
			-1766	-1682	-1585	-1472	-1338	-1177	-981	-736	-420	0	588
70	210.00	211b	-1389	-1291	-1177	-1045	-889	-702	-473	-187	181	671	1358
			-1570	-1472	-1358	-1226	-1070	-883	-654	-368	0	490	1177
80	240.00	211b	-1193	-1080	-951	-800	-621	-407	-146	181	601	1162	1947
			-1374	-1261	-1132	-981	-803	-588	-327	0	420	981	1766
90	270.00	211b	-996	-870	-724	-555	-354	-113	181	549	1022	1653	2536
			-1177	-1051	-905	-736	-535	-294	0	368	841	1472	2355
100	300.00	211b	-800	-660	-498	-309	-86	181	508	917	1442	2144	3125
			-981	-841	-679	-490	-267	0	327	736	1261	1962	2944
110	330.00	211b	-604	-449	-271	-64	181	475	835	1285	1863	2634	3714
			-785	-630	-452	-245	0	294	654	1104	1682	2453	3533
120	360.00	211b	-407	-239	-45	181	448	769	1162	1653	2284	3125	4303
			-588	-420	-226	0	267	588	981	1472	2103	2944	4122
130	390.00	211b	-211	-29	181	426	716	1064	1489	2021	2704	3616	4892
			-392	-210	0	245	535	883	1308	1840	2523	3435	4711
140	420.00	211b	-15	181	407	671	984	1358	1816	2389	3125	4107	5481
			-196	0	226	490	803	1177	1635	2208	2944	3925	5300
150	450.00	211b	181	391	634	917	1251	1653	2144	2757	3546	4597	6070
			0	210	452	736	1070	1472	1962	2576	3365	4416	5888

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 2008 input prices.

Table 3.A Estimated resource use and costs for field operations, per acre
 Cabbage - spring, hand harvest
 Mississippi, 2009

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	38.00	18.81	18.81
Cyclone Spin	825 Lb	2WD 75 hp	0.084	1.00	Feb	0.87	0.48	0.06	0.22	0.08	0.92				2.55
Fert 13-13-13	cwt											8.0000	30.00	240.00	240.00
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Feb	2.05	1.14	0.61	1.45	0.19	2.16				7.41
Disk Bed	2 Row	2WD 75 hp	0.284	1.00	Feb	2.94	1.63	0.19	0.83	0.28	3.10				8.69
Cult + App Herb	4 Row	2WD 75 hp	0.193	1.00	Feb	2.00	1.11	0.36	1.08	0.29	2.93				7.48
Treflan HFP	pt											2.0000	3.33	6.66	6.66
Plntr/H2O Wheel	2 Row	2WD 75 hp	1.473	1.00	Feb	15.24	8.44	4.79	9.01	8.83	78.02				115.50
PLANTING LABOR	hour									30.00	252.30				252.30
Cabbage - Hybrid	thous											13.2000	28.88	381.22	381.22
Cultivate	4 Row	2WD 75 hp	0.193	3.00	Mar	6.01	3.33	7.82	23.22	0.58	6.34				46.72
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	5.00	Mar	12.70	7.03	47.49	94.37	1.22	13.39				174.98
Bravo Weather Stick	pt											7.5000	6.25	46.88	46.88
Cultivate+Sidedress	4 Row	2WD 75 hp	0.193	1.00	Mar	2.00	1.11	1.19	6.33	0.29	2.93				13.56
Amm Nitrate (34%)	cwt											1.0000	28.00	28.00	28.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Endosulfan 3E	pt											1.3300	3.40	4.52	4.52
Dipel ES	pt											1.0000	4.26	4.26	4.26
Side Dresser	2R 6ft	2WD 75 hp	0.423	1.00	Apr			2.60	11.24						13.84
Amm Nitrate (34%)	cwt											1.0000	28.00	28.00	28.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Endosulfan 3E	pt											1.3300	3.40	4.52	4.52
Dipel ES	pt											1.0000	4.26	4.26	4.26
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Asana XL	oz											6.0000	0.72	4.32	4.32
Dipel ES	pt											1.0000	4.26	4.26	4.26
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Confirm 2F	oz											24.0000	1.49	35.76	35.76
Dipel ES	pt											1.0000	4.26	4.26	4.26
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	1.00	Jun	0.93	0.52	0.03	0.05	0.18	1.74				3.27
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	2.20	1320.00	1320.00
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						57.18	31.69	103.70	224.38	43.17	376.95			4535.73	5329.63
INTEREST ON OPERATING CAPITAL															49.77
UNALLOCATED LABOR															12.07
TOTAL SPECIFIED COST															5391.47

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.

Table 3.B Estimated costs per acre
Cabbage - spring, hand harvest
Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Fert 13-13-13	cwt	30.00	8.0000	240.00	_____
Amm Nitrate (34%)	cwt	28.00	2.0000	56.00	_____
FUNGICIDE					
Bravo Weather Stick	pt	6.25	7.5000	46.88	_____
HERBICIDE					
Treflan HFP	pt	3.33	2.0000	6.66	_____
INSECTICIDE					
Endosulfan 3E	pt	3.40	2.6600	9.04	_____
Dipel ES	pt	4.26	4.0000	17.04	_____
Asana XL	oz	0.72	6.0000	4.32	_____
Confirm 2F	oz	1.49	24.0000	35.76	_____
SEED/PLANTS					
Cabbage - Hybrid	thous	28.88	13.2000	381.22	_____
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	2.20	600.0000	1320.00	_____
Marketing Fee	box	1.00	600.0000	600.00	_____
CoolingBox S.Cabbage	box	0.25	600.0000	150.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	5.5291	60.30	_____
PLANTING LABOR					
Special Labor	hour	8.41	30.0000	252.30	_____
HAND LABOR					
Implements	hour	8.41	7.6498	64.35	_____
UNALLOCATED LABOR	hour	10.91	1.1058	12.07	_____
DIESEL FUEL					
Tractors	gal	2.46	21.3447	52.49	_____
REPAIR & MAINTENANCE					
Implements	acre	103.70	1.0000	103.70	_____
Tractors	acre	4.69	1.0000	4.69	_____
INTEREST ON OP. CAP.	acre	49.77	1.0000	49.77	_____
TOTAL DIRECT EXPENSES				5135.40	_____
FIXED EXPENSES					
Implements	acre	224.38	1.0000	224.38	_____
Tractors	acre	31.69	1.0000	31.69	_____
TOTAL FIXED EXPENSES				256.07	_____
TOTAL SPECIFIED EXPENSES				5391.47	_____

Note: Cost of production estimates are based on 2008 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, 2009

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	18.81	240.00	28.00	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	46.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	6.66	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	8.78	57.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	381.22	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	3720.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	347.17	27.03	3.22	9.66	1.94	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	23.30	19.02	2.33	6.99	0.85	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	8.65	58.19	12.31	29.13	0.11	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.56	25.17	3.59	0.82	1.02	18.61	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	19.37	1032.17	182.71	55.46	104.18	3741.51	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-19.37	-1032.17	-182.71	-55.46	-104.18	-3741.51	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-19.37	-1051.54	-1234.25	-1289.71	-1393.89	-5135.40	-5135.40	-5135.40	-5135.40	-5135.40	-5135.40	-5135.40

Note: Cost of production estimates are based on 2008 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, 2009

			-----BREAKEVEN PRICE-----										
Cabbage			6.72	7.05	7.42	7.85	8.36	8.98	9.73	10.67	11.88	13.50	15.76
PERCENT	YIELD	UNIT	-----dollars-----										
50	300.00	50lb	-2453	-2357	-2245	-2115	-1961	-1776	-1550	-1268	-905	-421	256
			-2709	-2613	-2501	-2371	-2217	-2032	-1806	-1524	-1161	-677	0
60	360.00	50lb	-2182	-2066	-1932	-1776	-1591	-1369	-1098	-760	-324	256	1069
			-2438	-2322	-2188	-2032	-1847	-1625	-1354	-1016	-580	0	812
70	420.00	50lb	-1911	-1776	-1620	-1437	-1222	-963	-647	-252	256	933	1882
			-2167	-2032	-1876	-1693	-1478	-1219	-903	-508	0	677	1625
80	480.00	50lb	-1640	-1486	-1307	-1098	-852	-556	-195	256	836	1611	2694
			-1896	-1742	-1563	-1354	-1108	-812	-451	0	580	1354	2438
90	540.00	50lb	-1369	-1195	-994	-760	-482	-150	256	764	1417	2288	3507
			-1625	-1451	-1250	-1016	-739	-406	0	508	1161	2032	3251
100	600.00	50lb	-1098	-905	-681	-421	-113	256	707	1272	1998	2965	4320
			-1354	-1161	-938	-677	-369	0	451	1016	1742	2709	4064
110	660.00	50lb	-827	-614	-369	-82	256	662	1159	1780	2578	3643	5133
			-1083	-871	-625	-338	0	406	903	1524	2322	3387	4877
120	720.00	50lb	-556	-324	-56	256	625	1069	1611	2288	3159	4320	5946
			-812	-580	-312	0	369	812	1354	2032	2903	4064	5690
130	780.00	50lb	-285	-34	256	594	995	1475	2062	2796	3740	4998	6759
			-541	-290	0	338	739	1219	1806	2540	3484	4742	6503
140	840.00	50lb	-14	256	568	933	1364	1882	2514	3304	4320	5675	7572
			-270	0	312	677	1108	1625	2258	3048	4064	5419	7316
150	900.00	50lb	256	546	881	1272	1734	2288	2965	3812	4901	6353	8385
			0	290	625	1016	1478	2032	2709	3556	4645	6097	8129

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 2008 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, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Mar	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Cyclone Spin	825 Lb	2WD 75 hp	0.084	1.00	Mar	0.87	0.48	0.06	0.22	0.08	0.92				2.55
Fert 13-13-13	cwt											6.0000	30.00	180.00	180.00
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Mar	2.05	1.14	0.61	1.45	0.19	2.16				7.41
Disk + Incorporate	10 Ft	2WD 75 hp	0.206	1.00	Apr	2.14	1.18	1.03	2.03	0.30	3.12				9.50
Diazion AG500	pt											6.0000	5.24	31.44	31.44
BS.lay/tape/Cucumber	4ftctr	2WD 75 hp	1.617	1.00	Apr	16.73	9.27	2.18	7.13	1.61	17.65				52.96
Plastic Mulch	roll											2.2000	162.00	356.40	356.40
Drip Tape	roll											1.5000	156.00	234.00	234.00
Plntr/H2O Cucumber	1R 4ftctr	2WD 75 hp	2.578	1.00	Apr	26.67	14.77	2.13	4.01	10.31	93.18				140.76
Cucumber - Hybrid	lb											3.0000	132.00	396.00	396.00
Irrigation				1.00	Apr										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Asana XL	oz											6.0000	0.72	4.32	4.32
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									2.00	16.82				16.82
Calcium Nitrate	lbs											50.0000	0.20	10.00	10.00
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Apr	0.65	0.36	0.16	0.22	0.09	0.94				2.33
Sandea	oz											0.5000	38.42	19.21	19.21
Select 2EC	oz											6.0000	1.34	8.04	8.04
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Bravo Weather Stick	pt											6.0000	6.25	37.50	37.50
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Quadris	oz											15.4000	2.16	33.26	33.26
Fertigate CAN03/KN03				2.00	May										
FERTIGATION LABOR	hour									2.00	16.82				16.82
Calcium Nitrate	lbs											50.0000	0.20	10.00	10.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Bravo Weather Stick	pt											3.0000	6.25	18.75	18.75
Asana XL	oz											6.0000	0.72	4.32	4.32
Fertigate CAN03/KN03				2.00	May										
FERTIGATION LABOR	hour									2.00	16.82				16.82
Calcium Nitrate	lbs											50.0000	0.20	10.00	10.00
Fertigate CAN03/KN03				1.00	Jun										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Calcium Nitrate	lbs											25.0000	0.20	5.00	5.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jun	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Asana XL	oz											6.0000	0.72	4.32	4.32
Fertigate CAN03/KN03				1.00	Jun										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Calcium Nitrate	lbs											25.0000	0.20	5.00	5.00

(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, 2008 (continued)

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jun	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Bravo Weather Stick	pt											3.0000	6.25	18.75	18.75
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	1.00	Jun	0.93	0.52	0.03	0.05	0.18	1.74				3.27
HARVEST LABOR	hour			1.00	Jun					120.00	1009.20				1009.20
5-Gal Bucket	each											200.0000	3.00	600.00	600.00
Labor(Packing)	each											300.0000	0.75	225.00	225.00
Boxes-Waxed	each											300.0000	1.33	399.00	399.00
Plastic Clean Up				1.00	Jun										
Mulch Lifter	1 Row	2WD 75 hp	0.589			6.10	3.38	0.12	2.60	0.58	6.43				18.63
Labor Clean up	acre											1.0000	100.00	100.00	100.00
Irrigation Setup	acre				Apr							1.0000			463.70
TOTALS						76.20	42.22	73.38	150.91	143.32	1223.78			3179.18	5209.37
INTEREST ON OPERATING CAPITAL															44.58
UNALLOCATED LABOR															16.10
TOTAL SPECIFIED COST															5270.05

Note: Cost of production estimates are based on 2008 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, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Fert 13-13-13	cwt	30.00	6.0000	180.00	_____
Calcium Nitrate	lbs	0.20	200.0000	40.00	_____
FUNGICIDE					
Bravo Weather Stick	pt	6.25	12.0000	75.00	_____
Quadris	oz	2.16	15.4000	33.26	_____
HERBICIDE					
Sandea	oz	38.42	0.5000	19.21	_____
Select 2EC	oz	1.34	6.0000	8.04	_____
INSECTICIDE					
Diazion AG500	pt	5.24	6.0000	31.44	_____
Asana XL	oz	0.72	18.0000	12.96	_____
SEED/PLANTS					
Cucumber - Hybrid	lb	132.00	3.0000	396.00	_____
OTHER					
Plastic Mulch	roll	162.00	2.2000	356.40	_____
5-Gal Bucket	each	3.00	200.0000	600.00	_____
Labor(Packing)	each	0.75	300.0000	225.00	_____
Boxes-Waxed	each	1.33	300.0000	399.00	_____
Labor Clean up	acre	100.00	1.0000	100.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	1.5000	234.00	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	10.91	7.3655	80.36	_____
HARVEST LABOR					
Special Labor	hour	8.41	120.0000	1009.20	_____
HAND LABOR					
Implements	hour	8.41	7.9588	66.94	_____
FERTIGATION LABOR					
Special Labor	hour	8.41	8.0000	67.28	_____
UNALLOCATED LABOR	hour	10.92	1.4731	16.10	_____
DIESEL FUEL					
Tractors	gal	2.46	28.4341	69.93	_____
REPAIR & MAINTENANCE					
Implements	acre	73.38	1.0000	73.38	_____
Tractors	acre	6.27	1.0000	6.27	_____
INTEREST ON OP. CAP.	acre	44.58	1.0000	44.58	_____

TOTAL DIRECT EXPENSES				4613.22	_____
FIXED EXPENSES					
Implements	acre	150.91	1.0000	150.91	_____
Tractors	acre	42.22	1.0000	42.22	_____
Irrigation Setup	acre	463.70	1.0000	463.70	_____

TOTAL FIXED EXPENSES				656.83	_____

TOTAL SPECIFIED EXPENSES				5270.05	_____

Note: Cost of production estimates are based on 2008 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, 2009

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	198.81	10.00	20.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	37.50	52.01	18.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	27.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	35.76	4.32	4.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	396.00	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	1324.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	684.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	6.57	151.11	40.08	1042.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	4.77	49.39	4.66	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	1.66	38.42	19.42	20.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	4.24	26.78	1.40	12.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	216.05	1812.67	141.89	2442.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-216.05	-1812.67	-141.89	-2442.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-216.05	-2028.72	-2170.61	-4613.22	-4613.22	-4613.22	-4613.22	-4613.22	-4613.22	-4613.22	-4613.22	-4613.22

Note: Cost of production estimates are based on 2008 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, 2009

			-----BREAKEVEN PRICE-----										
Cucumbers			12.40	13.14	13.99	14.98	16.15	17.56	19.28	21.43	24.19	27.88	33.04
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	551b	-2438	-2327	-2200	-2051	-1875	-1664	-1406	-1084	-669	-116	656
			-3095	-2984	-2857	-2708	-2532	-2321	-2063	-1741	-1326	-773	0
60	180.00	551b	-2128	-1996	-1843	-1664	-1453	-1200	-890	-503	-6	656	1585
			-2785	-2653	-2500	-2321	-2110	-1857	-1547	-1160	-663	0	928
70	210.00	551b	-1819	-1664	-1486	-1277	-1031	-736	-374	76	656	1430	2514
			-2476	-2321	-2142	-1934	-1688	-1392	-1031	-580	0	773	1857
80	240.00	551b	-1509	-1332	-1128	-890	-609	-271	140	656	1320	2204	3442
			-2166	-1989	-1785	-1547	-1266	-928	-515	0	663	1547	2785
90	270.00	551b	-1200	-1001	-771	-503	-187	192	656	1237	1983	2978	4371
			-1857	-1658	-1428	-1160	-844	-464	0	580	1326	2321	3714
100	300.00	551b	-890	-669	-414	-116	234	656	1172	1817	2646	3752	5299
			-1547	-1326	-1071	-773	-422	0	515	1160	1989	3095	4642
110	330.00	551b	-581	-338	-57	269	656	1121	1688	2397	3309	4525	6228
			-1238	-994	-714	-386	0	464	1031	1741	2653	3869	5571
120	360.00	551b	-271	-6	299	656	1078	1585	2204	2978	3973	5299	7156
			-928	-663	-357	0	422	928	1547	2321	3316	4642	6500
130	390.00	551b	37	325	656	1043	1500	2049	2720	3558	4636	6073	8085
			-619	-331	0	386	844	1392	2063	2901	3979	5416	7428
140	420.00	551b	347	656	1013	1430	1923	2514	3236	4139	5299	6847	9014
			-309	0	357	773	1266	1857	2579	3482	4642	6190	8357
150	450.00	551b	656	988	1371	1817	2345	2978	3752	4719	5963	7621	9942
			0	331	714	1160	1688	2321	3095	4062	5306	6964	9285

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 2008 input prices.

Table 5.A Estimated resource use and costs for field operations, per acre
Greens (turnip, mustard, collards), fresh market
Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Aug	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Aug	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Cyclone Spin	825 Lb	2WD 75 hp	0.084	1.00	Aug	0.87	0.48	0.06	0.22	0.08	0.92				2.55
Fert 13-13-13	cwt											6.0000	30.00	180.00	180.00
Disk + Incorporate	10 Ft	2WD 75 hp	0.206	1.00	Aug	2.14	1.18	1.03	2.03	0.30	3.12				9.50
Treflan HFP	pt											1.5000	3.33	5.00	5.00
Cultipacker	12 Ft	2WD 75 hp	0.124	1.00	Aug	1.29	0.71	0.15	0.23	0.12	1.36				3.74
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Sep	4.11	2.27	6.47	11.97	0.39	4.33				29.15
Greens - Hybrid	lb											3.3000	65.00	214.50	214.50
Cyclone Spin	825 Lb	2WD 75 hp	0.084	1.00	Sep	0.87	0.48	0.06	0.22	0.08	0.92				2.55
Amm Nitrate (34%)	cwt											1.0000	28.00	28.00	28.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	3.00	Sep	7.63	4.22	28.49	56.62	0.73	8.04				105.00
Kocide DF	lb											6.0000	3.42	20.52	20.52
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Sep	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Malathion 5E	pt											4.0000	3.24	12.96	12.96
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Oct	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Dipel ES	pt											1.0000	4.26	4.26	4.26
Stacking Bins	each			1.00	Oct							20.0000	2.00	40.00	40.00
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	1.00	Oct	0.93	0.52	0.03	0.05	0.18	1.74				3.27
HARVEST & PACK LABOR	hour			1.00	Oct					175.00	1471.75				1471.75
Boxes-Waxed	each			1.00	Oct							500.0000	1.33	665.00	665.00
Cooling Box - Greens box												500.0000	0.25	125.00	125.00
TOTALS						31.85	17.61	66.57	131.96	178.26	1506.95			1314.05	3068.99
INTEREST ON OPERATING CAPITAL															19.49
UNALLOCATED LABOR															6.72
TOTAL SPECIFIED COST															3095.20

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Table 5.B Estimated costs per acre
Greens (turnip, mustard, collards), fresh market
Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Fert 13-13-13	cwt	30.00	6.0000	180.00	_____
Amm Nitrate (34%)	cwt	28.00	1.0000	28.00	_____
FUNGICIDE					
Kocide DF	lb	3.42	6.0000	20.52	_____
HERBICIDE					
Treflan HFP	pt	3.33	1.5000	5.00	_____
INSECTICIDE					
Malathion 5E	pt	3.24	4.0000	12.96	_____
Dipel ES	pt	4.26	1.0000	4.26	_____
SEED/PLANTS					
Greens - Hybrid	lb	65.00	3.3000	214.50	_____
OTHER					
Stacking Bins	each	2.00	20.0000	40.00	_____
Boxes-Waxed	each	1.33	500.0000	665.00	_____
Cooling Box - Greens	box	0.25	500.0000	125.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	3.0758	33.57	_____
HAND LABOR					
Implements	hour	8.41	0.1931	1.63	_____
HARVEST & PACK LABOR					
Special Labor	hour	8.41	175.0000	1471.75	_____
UNALLOCATED LABOR	hour	10.92	0.6151	6.72	_____
DIESEL FUEL					
Tractors	gal	2.46	11.8740	29.21	_____
REPAIR & MAINTENANCE					
Implements	acre	66.57	1.0000	66.57	_____
Tractors	acre	2.64	1.0000	2.64	_____
INTEREST ON OP. CAP.	acre	19.49	1.0000	19.49	_____
TOTAL DIRECT EXPENSES				2945.63	_____
FIXED EXPENSES					
Implements	acre	131.96	1.0000	131.96	_____
Tractors	acre	17.61	1.0000	17.61	_____
TOTAL FIXED EXPENSES				149.57	_____
TOTAL SPECIFIED EXPENSES				3095.20	_____

Note: Cost of production estimates are based on 2008 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, 2009

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	18.81	0.00	0.00	0.00	0.00	0.00	0.00	180.00	28.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.52	0.00	0.00	0.00
HERBICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	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	12.96	4.26	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	214.50	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	830.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.38	22.38	1476.91	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.80	16.23	3.18	0.00	0.00
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.91	55.48	9.82	0.00	0.00
INTEREST ON OP. CAP.	0.94	0.00	0.00	0.00	0.00	0.00	0.00	3.21	3.71	11.63	0.00	0.00
TOTAL DIRECT EXPENSES	19.75	0.00	0.00	0.00	0.00	0.00	0.00	216.30	373.78	2335.80	0.00	0.00
NET INCOME	-19.75	0.00	0.00	0.00	0.00	0.00	0.00	-216.30	-373.78	-2335.80	0.00	0.00
NET INCOME TO DATE	-19.75	-19.75	-19.75	-19.75	-19.75	-19.75	-19.75	-236.05	-609.83	-2945.63	-2945.63	-2945.63

Note: Cost of production estimates are based on 2008 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, 2009

			-----BREAKEVEN PRICE-----										
Greens (25lb)			4.57	4.80	5.07	5.38	5.74	6.19	6.72	7.40	8.27	9.42	11.04
PERCENT	YIELD	UNIT	-----dollars-----										
50	250.00	2doz	-1468	-1410	-1343	-1266	-1174	-1063	-929	-760	-543	-254	149
			-1617	-1560	-1493	-1415	-1323	-1213	-1078	-910	-693	-404	0
60	300.00	2doz	-1306	-1237	-1157	-1063	-953	-821	-659	-457	-197	149	634
			-1456	-1386	-1306	-1213	-1103	-970	-808	-606	-346	0	485
70	350.00	2doz	-1144	-1063	-970	-861	-732	-578	-389	-153	149	554	1120
			-1294	-1213	-1120	-1011	-882	-728	-539	-303	0	404	970
80	400.00	2doz	-982	-890	-783	-659	-512	-335	-120	149	496	958	1605
			-1132	-1040	-933	-808	-661	-485	-269	0	346	808	1456
90	450.00	2doz	-821	-717	-597	-457	-291	-93	149	452	842	1363	2091
			-970	-866	-746	-606	-441	-242	0	303	693	1213	1941
100	500.00	2doz	-659	-543	-410	-254	-71	149	419	756	1189	1767	2576
			-808	-693	-560	-404	-220	0	269	606	1040	1617	2426
110	550.00	2doz	-497	-370	-223	-52	149	392	688	1059	1536	2171	3061
			-647	-520	-373	-202	0	242	539	910	1386	2022	2912
120	600.00	2doz	-335	-197	-37	149	370	634	958	1363	1883	2576	3547
			-485	-346	-186	0	220	485	808	1213	1733	2426	3397
130	650.00	2doz	-174	-23	149	351	590	877	1228	1666	2229	2980	4032
			-323	-173	0	202	441	728	1078	1516	2080	2831	3882
140	700.00	2doz	-12	149	336	554	811	1120	1497	1969	2576	3385	4517
			-161	0	186	404	661	970	1348	1820	2426	3235	4368
150	750.00	2doz	149	322	522	756	1032	1363	1767	2273	2923	3789	5003
			0	173	373	606	882	1213	1617	2123	2773	3640	4853

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 2008 input prices.

Table 6.A Estimated resource use and costs for field operations, per acre
 Lima / butter beans - hand harvest
 Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Jan	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Mar	2.05	1.14	0.61	1.45	0.19	2.16				7.41
Disk Bed +App Fert	4 Row	2WD 75 hp	0.141	1.00	Mar	1.46	0.81	0.20	0.60	0.21	2.13				5.20
Amm Nitrate (34%)	cwt											1.5000	28.00	42.00	42.00
Phosphorus(46% P205)	cwt											1.5600	46.00	71.76	71.76
Potash (60% K20)	cwt											1.2000	44.00	52.80	52.80
Cult + App Herb	4 Row	2WD 75 hp	0.193	1.00	Apr	2.00	1.11	0.36	1.08	0.29	2.93				7.48
Treflan HFP	pt											1.5000	3.33	5.00	5.00
Diazion AG500	pt											1.0000	5.24	5.24	5.24
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Apr	4.11	2.27	6.47	11.97	0.39	4.33				29.15
Lima Bean - Hybrid	lb											30.0000	4.00	120.00	120.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Sevin XLR Plus	qt											1.0000	9.44	9.44	9.44
Cultivate+Sidedress	4 Row	2WD 75 hp	0.193	1.00	May	2.00	1.11	1.19	6.33	0.29	2.93				13.56
Amm Nitrate (34%)	cwt											1.0000	28.00	28.00	28.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	4.00	May	10.16	5.63	37.99	75.49	0.98	10.72				139.99
Kocide DF	lb											8.8000	3.42	30.10	30.10
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Sevin XLR Plus	qt											2.0000	9.44	18.88	18.88
HARVEST LABOR	hour			1.00	Jun					136.00	1143.76				1143.76
5-Gal Bucket	each											40.0000	3.00	120.00	120.00
Sheller Lima Beans	each			1.00	Jun				7.18			0.0200			7.18
107/10 lb bg L/BBean	acre							0.24		9.00	75.69	1.0000			75.93
R.B.Convey LimaBeans	each			1.00	Jun				3.31			0.0200			3.31
Rot.PakTable L-Beans	each			1.00	Jun				2.80			0.0200			2.80
Application 1	acre							0.13		5.00	42.05	1.0000			42.18
Bag Sealer LimaBeans	each			1.00	Jun				0.98			0.0200			0.98
Application 1	acre							0.61		0.12	1.01	1.0000			1.62
TOTALS						29.14	16.15	67.36	150.03	153.20	1295.47			522.03	2080.18
INTEREST ON OPERATING CAPITAL															15.31
UNALLOCATED LABOR															6.15
TOTAL SPECIFIED COST															2101.64

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.

Table 6.B Estimated costs per acre
 Lima / butter beans - hand harvest
 Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Amm Nitrate (34%)	cwt	28.00	2.5000	70.00	_____
Phosphorus(46% P205)	cwt	46.00	1.5600	71.76	_____
Potash (60% K20)	cwt	44.00	1.2000	52.80	_____
FUNGICIDE					
Kocide DF	lb	3.42	8.8000	30.10	_____
HERBICIDE					
Treflan HFP	pt	3.33	1.5000	5.00	_____
INSECTICIDE					
Diazion AG500	pt	5.24	1.0000	5.24	_____
Sevin XLR Plus	qt	9.44	3.0000	28.32	_____
SEED/PLANTS					
Lima Bean - Hybrid	lb	4.00	30.0000	120.00	_____
OTHER					
5-Gal Bucket	each	3.00	40.0000	120.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	2.8171	30.73	_____
HARVEST LABOR					
Special Labor	hour	8.41	136.0000	1143.76	_____
HAND LABOR					
Implements	hour	8.41	0.2643	2.23	_____
GRD LABOR LIMA BEANS					
Bag Sealer LimaBeans	hour	8.41	0.1200	1.01	_____
Rot.PakTable L-Beans	hour	8.41	5.0000	42.05	_____
Sheller Lima Beans	hour	8.41	9.0000	75.69	_____
UNALLOCATED LABOR	hour	10.91	0.5634	6.15	_____
DIESEL FUEL					
Tractors	gal	2.46	10.8754	26.75	_____
REPAIR & MAINTENANCE					
Implements	acre	66.38	1.0000	66.38	_____
Tractors	acre	2.39	1.0000	2.39	_____
Bag Sealer LimaBeans	acre	0.60	1.0000	0.61	_____
Rot.PakTable L-Beans	acre	0.12	1.0000	0.13	_____
Sheller Lima Beans	acre	0.24	1.0000	0.24	_____
INTEREST ON OP. CAP.	acre	15.31	1.0000	15.31	_____
TOTAL DIRECT EXPENSES				1935.46	_____
FIXED EXPENSES					
Implements	acre	135.76	1.0000	135.76	_____
Tractors	acre	16.15	1.0000	16.15	_____
Bag Sealer LimaBeans	each	48.83	0.0200	0.98	_____
R.B.Convey LimaBeans	each	165.69	0.0200	3.31	_____
Rot.PakTable L-Beans	each	139.86	0.0200	2.80	_____
Sheller Lima Beans	each	359.09	0.0200	7.18	_____
TOTAL FIXED EXPENSES				166.18	_____
TOTAL SPECIFIED EXPENSES				2101.64	_____

Note: Cost of production estimates are based on 2008 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, 2009

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	18.81	0.00	166.56	0.00	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	30.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	5.24	28.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.88	0.00	5.03	8.55	22.65	1262.51	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	2.09	0.00	3.22	5.61	15.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.75	0.00	1.10	7.33	59.59	0.98	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.73	0.00	3.53	2.29	1.84	6.92	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	25.26	0.00	179.44	154.02	186.33	1390.41	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-25.26	0.00	-179.44	-154.02	-186.33	-1390.41	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-25.26	-25.26	-204.70	-358.72	-545.05	-1935.46	-1935.46	-1935.46	-1935.46	-1935.46	-1935.46	-1935.46

Note: Cost of production estimates are based on 2008 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, 2009

			-----BREAKEVEN PRICE-----										
Lima/Butter Beans			13.09	14.02	15.10	16.36	17.85	19.64	21.82	24.55	28.05	32.73	39.28
PERCENT	YIELD	UNIT	-----dollars-----										
50	53.50	101b	-1234	-1184	-1127	-1059	-980	-884	-767	-621	-434	-184	166
			-1401	-1351	-1293	-1225	-1146	-1050	-934	-788	-600	-350	0
60	64.20	101b	-1094	-1034	-965	-884	-789	-674	-534	-359	-134	166	586
			-1260	-1200	-1131	-1050	-955	-840	-700	-525	-300	0	420
70	74.90	101b	-954	-884	-803	-709	-598	-464	-300	-96	166	516	1006
			-1120	-1050	-969	-875	-764	-630	-467	-262	0	350	840
80	85.60	101b	-814	-734	-642	-534	-406	-254	-67	166	466	866	1427
			-980	-900	-808	-700	-573	-420	-233	0	300	700	1260
90	96.30	101b	-674	-584	-480	-359	-215	-43	166	428	766	1217	1847
			-840	-750	-646	-525	-382	-210	0	262	600	1050	1681
100	107.00	101b	-534	-434	-318	-184	-24	166	399	691	1066	1567	2267
			-700	-600	-484	-350	-191	0	233	525	900	1401	2101
110	117.70	101b	-394	-284	-157	-8	166	376	633	954	1367	1917	2688
			-560	-450	-323	-175	0	210	467	788	1200	1751	2521
120	128.40	101b	-254	-134	4	166	357	586	866	1217	1667	2267	3108
			-420	-300	-161	0	191	420	700	1050	1501	2101	2942
130	139.10	101b	-114	16	166	341	548	796	1100	1479	1967	2618	3528
			-280	-150	0	175	382	630	934	1313	1801	2451	3362
140	149.80	101b	26	166	327	516	739	1006	1333	1742	2267	2968	3949
			-140	0	161	350	573	840	1167	1576	2101	2802	3782
150	160.50	101b	166	316	489	691	930	1217	1567	2005	2568	3318	4369
			0	150	323	525	764	1050	1401	1838	2401	3152	4203

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 2008 input prices.

Table 7.A Estimated resource use and costs for field operations, per acre
Lima / butter beans - mechanical harvest
Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Jan	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Mar	2.05	1.14	0.61	1.45	0.19	2.16				7.41
Disk Bed +App Fert	4 Row	2WD 75 hp	0.141	1.00	Mar	1.46	0.81	0.20	0.60	0.21	2.13				5.20
Amm Nitrate (34%)	cwt											1.5000	28.00	42.00	42.00
Phosphorus(46% P205)	cwt											1.5600	46.00	71.76	71.76
Potash (60% K20)	cwt											1.2000	44.00	52.80	52.80
Cult + App Herb	4 Row	2WD 75 hp	0.193	1.00	Apr	2.00	1.11	0.36	1.08	0.29	2.93				7.48
Treflan HFP	pt											1.5000	3.33	5.00	5.00
Diazion AG500	pt											1.0000	5.24	5.24	5.24
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Apr	4.11	2.27	6.47	11.97	0.39	4.33				29.15
Lima Bean - Hybrid	lb											30.0000	4.00	120.00	120.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Sevin XLR Plus	qt											1.0000	9.44	9.44	9.44
Cultivate+Sidedress	4 Row	2WD 75 hp	0.193	1.00	May	2.00	1.11	1.19	6.33	0.29	2.93				13.56
Amm Nitrate (34%)	cwt											1.0000	28.00	28.00	28.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	4.00	May	10.16	5.63	37.99	75.49	0.98	10.72				139.99
Kocide DF	lb											8.8000	3.42	30.10	30.10
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Sevin XLR Plus	qt											2.0000	9.44	18.88	18.88
Picker Beans/Peas	1 Row	2WD 75 hp	3.571	1.00	Jun	36.95	20.46	40.36	38.92	10.71	99.03				235.72
Trailer-Lima/B. Bean	16 ft	2WD 75 hp	3.571	1.00	Jun	36.95	20.46	1.22	2.33	7.14	69.00				129.96
LABOR BEAN TRAILER	hour														30.11
Sheller Lima Beans	each			1.00	Jun				7.18			0.0200			7.18
65/10 lb bg L/BBean	acre							0.24		9.00	75.69	1.0000			75.93
R.B.Convey LimaBeans	each			1.00	Jun				3.31			0.0200			3.31
Rot.PakTable L-Beans	each			1.00	Jun				2.80			0.0200			2.80
Application 1	acre							0.13		5.00	42.05	1.0000			42.18
Bag Sealer LimaBeans	each			1.00	Jun				0.98			0.0200			0.98
Application 1	acre							0.61		0.12	1.01	1.0000			1.62
TOTALS						103.04	57.07	108.94	191.28	38.63	349.85			402.03	1212.21
INTEREST ON OPERATING CAPITAL															10.63
UNALLOCATED LABOR															21.73
TOTAL SPECIFIED COST															1244.57

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Table 7.B Estimated costs per acre
Lima / butter beans - mechanical harvest
Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Amm Nitrate (34%)	cwt	28.00	2.5000	70.00	_____
Phosphorus(46% P205)	cwt	46.00	1.5600	71.76	_____
Potash (60% K20)	cwt	44.00	1.2000	52.80	_____
FUNGICIDE					
Kocide DF	lb	3.42	8.8000	30.10	_____
HERBICIDE					
Treflan HFP	pt	3.33	1.5000	5.00	_____
INSECTICIDE					
Diazion AG500	pt	5.24	1.0000	5.24	_____
Sevin XLR Plus	qt	9.44	3.0000	28.32	_____
SEED/PLANTS					
Lima Bean - Hybrid	lb	4.00	30.0000	120.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	9.9600	108.65	_____
HAND LABOR					
Implements	hour	8.41	10.9786	92.34	_____
LABOR BEAN TRAILER					
Special Labor	hour	8.41	3.5800	30.11	_____
GRD LABOR LIMA BEANS					
Bag Sealer LimaBeans	hour	8.41	0.1200	1.01	_____
Rot.PakTable L-Beans	hour	8.41	5.0000	42.05	_____
Sheller Lima Beans	hour	8.41	9.0000	75.69	_____
UNALLOCATED LABOR	hour	10.90	1.9920	21.73	_____
DIESEL FUEL					
Tractors	gal	2.46	38.4497	94.59	_____
REPAIR & MAINTENANCE					
Implements	acre	107.96	1.0000	107.96	_____
Tractors	acre	8.45	1.0000	8.45	_____
Bag Sealer LimaBeans	acre	0.60	1.0000	0.61	_____
Rot.PakTable L-Beans	acre	0.12	1.0000	0.13	_____
Sheller Lima Beans	acre	0.24	1.0000	0.24	_____
INTEREST ON OP. CAP.	acre	10.63	1.0000	10.63	_____
TOTAL DIRECT EXPENSES				996.22	_____
FIXED EXPENSES					
Implements	acre	177.01	1.0000	177.01	_____
Tractors	acre	57.07	1.0000	57.07	_____
Bag Sealer LimaBeans	each	48.83	0.0200	0.98	_____
R.B.Convey LimaBeans	each	165.69	0.0200	3.31	_____
Rot.PakTable L-Beans	each	139.86	0.0200	2.80	_____
Sheller Lima Beans	each	359.09	0.0200	7.18	_____
TOTAL FIXED EXPENSES				248.35	_____
TOTAL SPECIFIED EXPENSES				1244.57	_____

Note: Cost of production estimates are based on 2008 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, 2009

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	18.81	0.00	166.56	0.00	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	30.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	5.24	28.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.88	0.00	5.03	8.55	22.65	332.47	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	2.09	0.00	3.22	5.61	15.83	67.84	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.75	0.00	1.10	7.33	59.59	48.62	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.73	0.00	3.53	2.29	1.84	2.24	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	25.26	0.00	179.44	154.02	186.33	451.17	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-25.26	0.00	-179.44	-154.02	-186.33	-451.17	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-25.26	-25.26	-204.70	-358.72	-545.05	-996.22	-996.22	-996.22	-996.22	-996.22	-996.22	-996.22

Note: Cost of production estimates are based on 2008 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, 2009

			-----BREAKEVEN PRICE-----										
Lima/Butter Beans			12.76	13.67	14.72	15.95	17.40	19.14	21.27	23.93	27.35	31.91	38.29
PERCENT	YIELD	UNIT	-----dollars-----										
50	32.50	10lb	-581	-551	-517	-477	-430	-373	-304	-218	-107	40	248
			-829	-800	-765	-725	-678	-622	-553	-466	-355	-207	0
60	39.00	10lb	-498	-462	-421	-373	-317	-249	-166	-62	70	248	497
			-746	-711	-670	-622	-565	-497	-414	-311	-177	0	248
70	45.50	10lb	-415	-373	-326	-270	-204	-125	-28	92	248	455	746
			-663	-622	-574	-518	-452	-373	-276	-155	0	207	497
80	52.00	10lb	-332	-285	-230	-166	-91	-0	110	248	426	663	995
			-580	-533	-478	-414	-339	-248	-138	0	177	414	746
90	58.50	10lb	-249	-196	-134	-62	22	123	248	403	603	870	1244
			-497	-444	-382	-311	-226	-124	0	155	355	622	995
100	65.00	10lb	-166	-107	-38	40	135	248	386	559	781	1078	1492
			-414	-355	-287	-207	-113	0	138	311	533	829	1244
110	71.50	10lb	-83	-18	56	144	248	372	524	715	959	1285	1741
			-331	-266	-191	-103	0	124	276	466	711	1037	1493
120	78.00	10lb	-0	70	152	248	361	497	663	870	1137	1492	1990
			-248	-177	-95	0	113	248	414	622	888	1244	1742
130	84.50	10lb	82	159	248	352	474	621	801	1026	1315	1700	2239
			-165	-88	0	103	226	373	553	777	1066	1451	1991
140	91.00	10lb	165	248	344	455	587	746	939	1181	1492	1907	2488
			-82	0	95	207	339	497	691	933	1244	1659	2240
150	97.50	10lb	248	337	439	559	700	870	1078	1337	1670	2115	2737
			0	88	191	311	452	622	829	1088	1422	1866	2489

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 2008 input prices.

Table 8.A Estimated resource use and costs for field operations, per acre
Okra, fresh market
Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Mar	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Mar	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed +App Fert	4 Row	2WD 75 hp	0.141	1.00	Apr	1.46	0.81	0.20	0.60	0.21	2.13				5.20
Amm Nitrate (34%)	cwt											0.7000	28.00	19.60	19.60
Phosphorus(46% P205)	cwt											1.5600	46.00	71.76	71.76
Potash (60% K20)	cwt											1.2000	44.00	52.80	52.80
Cult + App Herb	4 Row	2WD 75 hp	0.193	1.00	Apr	2.00	1.11	0.36	1.08	0.29	2.93				7.48
Treflan HFP	pt											1.5000	3.33	5.00	5.00
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Apr	4.11	2.27	6.47	11.97	0.39	4.33				29.15
Okra - Hybrid	lb											8.8000	156.00	1372.80	1372.80
Cultivate+Sidedress	4 Row	2WD 75 hp	0.193	1.00	Apr	2.00	1.11	1.19	6.33	0.29	2.93				13.56
Amm Nitrate (34%)	cwt											1.0000	28.00	28.00	28.00
Cultivate	4 Row	2WD 75 hp	0.193	2.00	May	4.01	2.22	5.21	15.48	0.38	4.23				31.15
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Sevin XLR Plus	qt											4.0000	9.44	37.76	37.76
Cultivate+Sidedress	4 Row	2WD 75 hp	0.193	1.00	May	2.00	1.11	1.19	6.33	0.29	2.93				13.56
Amm Nitrate (34%)	cwt											1.0000	28.00	28.00	28.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	3.00	Jun	7.63	4.22	28.49	56.62	0.73	8.04				105.00
Sevin XLR Plus	qt											6.0000	9.44	56.64	56.64
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	12.00	Jun	11.18	6.19	0.33	0.63	2.16	20.86				39.19
HARVEST LABOR	hour			1.00	Jun					300.00	2523.00				2523.00
5-Gal Bucket	each											200.0000	3.00	600.00	600.00
GRADE & PACK LABOR	hour			1.00	Jun					30.00	252.30				252.30
Boxes-Waxed	each											400.0000	1.33	532.00	532.00
TOTALS						45.86	25.38	64.22	140.79	335.87	2835.77			2823.17	5935.19
INTEREST ON OPERATING CAPITAL															45.83
UNALLOCATED LABOR															9.68
TOTAL SPECIFIED COST															5990.70

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Table 8.B Estimated costs per acre
Okra, fresh market
Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Amm Nitrate (34%)	cwt	28.00	2.7000	75.60	_____
Phosphorus(46% P205)	cwt	46.00	1.5600	71.76	_____
Potash (60% K20)	cwt	44.00	1.2000	52.80	_____
HERBICIDE					
Treflan HFP	pt	3.33	1.5000	5.00	_____
INSECTICIDE					
Sevin XLR Plus	qt	9.44	10.0000	94.40	_____
SEED/PLANTS					
Okra - Hybrid	lb	156.00	8.8000	1372.80	_____
OTHER					
5-Gal Bucket	each	3.00	200.0000	600.00	_____
Boxes-Waxed	each	1.33	400.0000	532.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	4.4314	48.34	_____
HARVEST LABOR					
Special Labor	hour	8.41	300.0000	2523.00	_____
GRADE & PACK LABOR					
Special Labor	hour	8.41	30.0000	252.30	_____
HAND LABOR					
Implements	hour	8.41	1.4412	12.13	_____
UNALLOCATED LABOR	hour	10.92	0.8862	9.68	_____
DIESEL FUEL					
Tractors	gal	2.46	17.1073	42.09	_____
REPAIR & MAINTENANCE					
Implements	acre	64.22	1.0000	64.22	_____
Tractors	acre	3.77	1.0000	3.77	_____
INTEREST ON OP. CAP.	acre	45.83	1.0000	45.83	_____
TOTAL DIRECT EXPENSES				5824.53	_____
FIXED EXPENSES					
Implements	acre	140.79	1.0000	140.79	_____
Tractors	acre	25.38	1.0000	25.38	_____
TOTAL FIXED EXPENSES				166.17	_____
TOTAL SPECIFIED EXPENSES				5990.70	_____

Note: Cost of production estimates are based on 2008 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, 2009

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	18.81	172.16	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	5.00	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	37.76	56.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	1372.80	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	1132.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	8.08	14.34	14.86	2808.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.86	8.79	10.18	17.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	2.31	9.00	26.31	30.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.70	23.74	1.18	20.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	35.76	1605.83	118.29	4064.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-35.76	-1605.83	-118.29	-4064.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-35.76	-1641.59	-1759.88	-5824.53	-5824.53	-5824.53	-5824.53	-5824.53	-5824.53	-5824.53	-5824.53	-5824.53

Note: Cost of production estimates are based on 2008 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, 2009

			-----BREAKEVEN PRICE-----										
Okra (US Fancy)			10.43	11.07	11.82	12.70	13.73	14.97	16.49	18.38	20.82	24.07	28.61
PERCENT	YIELD	UNIT	-----dollars-----										
50	200.00	30lb	-3471	-3341	-3191	-3016	-2809	-2561	-2258	-1879	-1392	-743	166
			-3637	-3507	-3357	-3182	-2976	-2728	-2424	-2046	-1558	-909	0
60	240.00	30lb	-3107	-2951	-2771	-2561	-2313	-2016	-1652	-1197	-613	166	1257
			-3273	-3117	-2937	-2728	-2480	-2182	-1818	-1364	-779	0	1091
70	280.00	30lb	-2743	-2561	-2352	-2107	-1817	-1470	-1046	-515	166	1075	2348
			-2909	-2728	-2518	-2273	-1984	-1636	-1212	-682	0	909	2182
80	320.00	30lb	-2379	-2172	-1932	-1652	-1321	-925	-440	166	945	1984	3439
			-2546	-2338	-2098	-1818	-1488	-1091	-606	0	779	1818	3273
90	360.00	30lb	-2016	-1782	-1512	-1197	-825	-379	166	848	1725	2894	4531
			-2182	-1948	-1678	-1364	-992	-545	0	682	1558	2728	4364
100	400.00	30lb	-1652	-1392	-1092	-743	-329	166	772	1530	2504	3803	5622
			-1818	-1558	-1259	-909	-496	0	606	1364	2338	3637	5456
110	440.00	30lb	-1288	-1002	-673	-288	166	711	1378	2212	3283	4712	6713
			-1454	-1169	-839	-454	0	545	1212	2046	3117	4546	6547
120	480.00	30lb	-925	-613	-253	166	662	1257	1984	2894	4063	5622	7804
			-1091	-779	-419	0	496	1091	1818	2728	3897	5456	7638
130	520.00	30lb	-561	-223	166	620	1158	1802	2591	3576	4842	6531	8895
			-727	-389	0	454	992	1636	2424	3410	4676	6365	8729
140	560.00	30lb	-197	166	585	1075	1654	2348	3197	4258	5622	7440	9987
			-363	0	419	909	1488	2182	3031	4092	5456	7274	9820
150	600.00	30lb	166	555	1005	1530	2150	2894	3803	4940	6401	8350	11078
			0	389	839	1364	1984	2728	3637	4774	6235	8184	10912

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 2008 input prices.

Table 9.A Estimated resource use and costs for field operations, per acre
Pumpkin, wholesale/freshmarket, irrigated
8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009

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	38.00	6.21	6.21
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	May	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Jun	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed +App Fert	4 Row	2WD 75 hp	0.141	1.00	Jun	1.46	0.81	0.20	0.60	0.21	2.13				5.20
Fert 13-13-13	cwt											9.0000	30.00	270.00	270.00
BS. lay/tape/Pumpkin	8ftctr	2WD 75 hp	0.080	1.00	Jun	0.84	0.46	0.22	0.72	0.08	0.88				3.12
Plastic Mulch	roll											1.4000	162.00	226.80	226.80
Drip Tape	roll											0.9000	156.00	140.40	140.40
Plntr/H20/pnch/seed	1 Row	2WD 75 hp	2.578	1.00	Jul	26.67	14.77	4.14	7.79	5.15	49.81				103.18
Pumpkin Seed Hybrid	lb											1.5000	65.00	97.50	97.50
Irrigation				1.00	Jul										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Fertigate CAN03/KN03				1.00	Jul										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Calcium Nitrate	lbs											25.0000	0.20	5.00	5.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jul	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Asana XL	oz											6.0000	0.72	4.32	4.32
Disk Harrow-Hvy Duty	5'	2WD 75 hp	0.412	0.50	Jul	2.14	1.18	0.14	0.34	0.20	2.25				6.05
Fertigate CAN03/KN03				1.00	Jul										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Calcium Nitrate	lbs											25.0000	0.20	5.00	5.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jul	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Endosulfan 3EC	pt											2.6600	3.06	8.14	8.14
Fertigate CAN03/KN03				1.00	Jul										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Calcium Nitrate	lbs											25.0000	0.20	5.00	5.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Aug	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Quadris	oz											11.0000	2.16	23.76	23.76
Bravo Weather Stick	pt											2.0000	6.25	12.50	12.50
Fertigate CAN03/KN03				3.00	Aug										
FERTIGATION LABOR	hour									3.00	25.23				25.23
Calcium Nitrate	lbs											75.0000	0.20	15.00	15.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Aug	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Bravo Weather Stick	pt											2.0000	6.25	12.50	12.50
Fertigate CAN03/KN03				1.00	Sep										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Calcium Nitrate	lbs											25.0000	0.20	5.00	5.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Asana XL	oz											12.0000	0.72	8.64	8.64
Endosulfan 3EC	pt											2.6600	3.06	8.14	8.14
Fertigate CAN03/KN03				3.00	Sep										
FERTIGATION LABOR	hour									3.00	25.23				25.23
Calcium Nitrate	lbs											75.0000	0.20	15.00	15.00

(continued)

Table 9.A Estimated resource use and costs for field operations, per acre
Pumpkin, wholesale/freshmarket, irrigated
8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009 (continued)

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST	
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.54	1.41	9.50	18.87	0.24	2.68					35.00
Asana XL	oz											12.0000	0.72	8.64		8.64
Quadris	oz											11.0000	2.16	23.76		23.76
Fertigate CAN03/KN03				1.00	Oct											
FERTIGATION LABOR	hour									1.00	8.41					8.41
Calcium Nitrate	lbs											25.0000	0.20	5.00		5.00
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	3.00	Oct	2.79	1.55	0.08	0.16	0.54	5.22					9.80
HARVEST LABOR	hour									90.00	756.90					756.90
Pallet Crates-1000lb each												123.0000	12.00	1476.00		1476.00
Mulch Lifter	1 Row	2WD 75 hp	0.589	1.00	Nov	6.10	3.38	0.12	2.60	0.58	6.43					18.63
LABOR MULCH CLEANUP	hour									15.00	126.15					126.15
Irrigation Setup	acre				Jul							1.0000				451.69
TOTALS						61.63	34.14	63.68	129.43	124.87	1065.09			2832.37		4638.03
INTEREST ON OPERATING CAPITAL																65.75
UNALLOCATED LABOR																13.04
TOTAL SPECIFIED COST																4716.82

Note: Cost of production estimates are based on 2008 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, wholesale/freshmarket, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.1633	6.21	_____
Fert 13-13-13	cwt	30.00	9.0000	270.00	_____
Calcium Nitrate	lbs	0.20	275.0000	55.00	_____
FUNGICIDE					
Quadris	oz	2.16	22.0000	47.52	_____
Bravo Weather Stick	pt	6.25	4.0000	25.00	_____
INSECTICIDE					
Asana XL	oz	0.72	30.0000	21.60	_____
Endosulfan 3EC	pt	3.06	5.3200	16.28	_____
SEED/PLANTS					
Pumpkin Seed Hybrid	lb	65.00	1.5000	97.50	_____
OTHER					
Plastic Mulch	roll	162.00	1.4000	226.80	_____
Pallet Crates-1000lb	each	12.00	123.0000	1476.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	0.9000	140.40	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	10.91	5.9557	64.99	_____
HARVEST LABOR					
Special Labor	hour	8.41	90.0000	756.90	_____
HAND LABOR					
Implements	hour	8.41	2.9186	24.54	_____
FERTIGATION LABOR					
Special Labor	hour	8.41	11.0000	92.51	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.41	15.0000	126.15	_____
UNALLOCATED LABOR					
	hour	10.94	1.1911	13.04	_____
DIESEL FUEL					
Tractors	gal	2.46	22.9915	56.55	_____
REPAIR & MAINTENANCE					
Implements	acre	63.68	1.0000	63.68	_____
Tractors	acre	5.08	1.0000	5.08	_____
INTEREST ON OP. CAP.	acre	65.75	1.0000	65.75	_____

TOTAL DIRECT EXPENSES				4101.56	_____
FIXED EXPENSES					
Implements	acre	129.43	1.0000	129.43	_____
Tractors	acre	34.14	1.0000	34.14	_____
Irrigation Setup	acre	451.69	1.0000	451.69	_____

TOTAL FIXED EXPENSES				615.26	_____

TOTAL SPECIFIED EXPENSES				4716.82	_____

Note: Cost of production estimates are based on 2008 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, wholesale/freshmarket, irrigated
8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009

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	6.21	270.00	15.00	15.00	20.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	48.76	23.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	12.46	0.00	25.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	97.50	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	1476.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	140.40	450.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.88	8.70	89.81	31.67	40.08	771.12	133.87	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	2.09	5.88	31.10	4.66	4.66	2.56	5.60	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.75	2.17	26.07	19.42	19.42	0.31	0.62	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.42	19.61	18.06	2.40	2.01	22.55	0.70	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	12.35	673.56	740.06	121.91	135.35	2277.54	140.79	0.00	0.00	0.00	0.00	0.00
NET INCOME	-12.35	-673.56	-740.06	-121.91	-135.35	-2277.54	-140.79	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-12.35	-685.91	-1425.97	-1547.88	-1683.23	-3960.77	-4101.56	-4101.56	-4101.56	-4101.56	-4101.56	-4101.56

Note: Cost of production estimates are based on 2008 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, wholesale/freshmarket, irrigated
8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009

			-----BREAKEVEN PRICE-----										
Pumpkin			0.07	0.08	0.08	0.09	0.10	0.11	0.12	0.14	0.16	0.19	0.23
PERCENT	YIELD	UNIT	-----dollars-----										
50	20500.00	lb	-2529	-2416	-2287	-2136	-1957	-1743	-1481	-1153	-732	-170	615
			-3144	-3032	-2902	-2751	-2572	-2358	-2096	-1768	-1347	-786	0
60	24600.00	lb	-2214	-2080	-1924	-1743	-1528	-1271	-957	-563	-58	615	1558
			-2830	-2695	-2539	-2358	-2144	-1886	-1572	-1179	-673	0	943
70	28700.00	lb	-1900	-1743	-1561	-1350	-1099	-799	-432	25	615	1401	2501
			-2515	-2358	-2176	-1965	-1715	-1415	-1048	-589	0	786	1886
80	32800.00	lb	-1585	-1406	-1198	-957	-671	-328	91	615	1289	2187	3445
			-2201	-2021	-1814	-1572	-1286	-943	-524	0	673	1572	2830
90	36900.00	lb	-1271	-1069	-836	-563	-242	143	615	1204	1962	2973	4388
			-1886	-1684	-1451	-1179	-857	-471	0	589	1347	2358	3773
100	41000.00	lb	-957	-732	-473	-170	186	615	1139	1794	2636	3759	5332
			-1572	-1347	-1088	-786	-428	0	524	1179	2021	3144	4716
110	45100.00	lb	-642	-395	-110	222	615	1086	1663	2384	3310	4545	6275
			-1257	-1010	-725	-393	0	471	1048	1768	2695	3930	5660
120	49200.00	lb	-328	-58	252	615	1044	1558	2187	2973	3984	5332	7218
			-943	-673	-362	0	428	943	1572	2358	3369	4716	6603
130	53300.00	lb	-13	278	615	1008	1472	2030	2711	3563	4658	6118	8162
			-628	-336	0	393	857	1415	2096	2948	4042	5502	7546
140	57400.00	lb	300	615	978	1401	1901	2501	3235	4152	5332	6904	9105
			-314	0	362	786	1286	1886	2620	3537	4716	6289	8490
150	61500.00	lb	615	952	1340	1794	2330	2973	3759	4742	6005	7690	10048
			0	336	725	1179	1715	2358	3144	4127	5390	7075	9433

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 2008 input prices.

Table 10.A Estimated resource use and costs for field operations, per acre
 Snap beans, fresh market - hand harvest
 Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Feb	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed +App Fert	4 Row	2WD 75 hp	0.141	1.00	Feb	1.46	0.81	0.20	0.60	0.21	2.13				5.20
Fert 13-13-13	cwt											6.0000	30.00	180.00	180.00
Cult + App Herb	4 Row	2WD 75 hp	0.193	1.00	Feb	2.00	1.11	0.36	1.08	0.29	2.93				7.48
Treflan HFP	pt											2.0000	3.33	6.66	6.66
Terrachlor 75 WP	lb											2.0000	6.77	13.54	13.54
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Mar	4.11	2.27	6.47	11.97	0.39	4.33				29.15
Snap Beans - Hybrid	lb											70.0000	5.00	350.00	350.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Mar	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Diazion AG500	pt											2.5000	5.24	13.10	13.10
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Basic Copper Sulfate	lb											6.0000	1.55	9.30	9.30
Cultivate+Sidedress	4 Row	2WD 75 hp	0.193	1.00	Apr	2.00	1.11	1.19	6.33	0.29	2.93				13.56
Amm Nitrate (34%)	cwt											0.7500	28.00	21.00	21.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Sevin XLR Plus	qt											2.0000	9.44	18.88	18.88
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	1.00	May	0.93	0.52	0.03	0.05	0.18	1.74				3.27
HARVEST LABOR	hour			1.00	May					150.00	1261.50				1261.50
Bushel Box	each			1.00	May							200.0000	1.20	240.00	240.00
Load Conveyor S Bean				1.00	May										
GRD LABOR S. BEANS	hour									20.00	168.20				168.20
Cooling Snap Beans	bu box			1.00	May							200.0000	0.75	150.00	150.00
R.B.ConveySnapBeans	each			1.00	May				3.31			0.0200			3.31
Application 1	bu							79.68		40.00	336.40	200.0000			416.08
Rot.Pk Table S Beans	each			1.00	May				2.80			0.0200			2.80
Application 1	bu							6.38		2.00	16.82	200.0000			23.20
TOTALS							32.13	17.78	153.09	143.39	215.45	1819.79		1021.29	3187.47
INTEREST ON OPERATING CAPITAL															23.53
UNALLOCATED LABOR															6.78
TOTAL SPECIFIED COST															3217.78

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.

Table 10.B Estimated costs per acre
 Snap beans, fresh market - hand harvest
 Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Fert 13-13-13	cwt	30.00	6.0000	180.00	_____
Amm Nitrate (34%)	cwt	28.00	0.7500	21.00	_____
FUNGICIDE					
Terrachlor 75 WP	lb	6.77	2.0000	13.54	_____
Basic Copper Sulfate	lb	1.55	6.0000	9.30	_____
HERBICIDE					
Treflan HFP	pt	3.33	2.0000	6.66	_____
INSECTICIDE					
Diazion AG500	pt	5.24	2.5000	13.10	_____
Sevin XLR Plus	qt	9.44	2.0000	18.88	_____
SEED/PLANTS					
Snap Beans - Hybrid	lb	5.00	70.0000	350.00	_____
OTHER					
Bushel Box	each	1.20	200.0000	240.00	_____
Cooling Snap Beans	bu box	0.75	200.0000	150.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	3.1055	33.88	_____
HARVEST LABOR					
Special Labor	hour	8.41	150.0000	1261.50	_____
HAND LABOR					
Implements	hour	8.41	0.3543	2.99	_____
GRD LABOR S. BEANS					
Special Labor	hour	8.41	20.0000	168.20	_____
R.B.ConveySnapBeans	hour	8.41	40.0000	336.40	_____
Rot.Pk Table S Beans	hour	8.41	2.0000	16.82	_____
UNALLOCATED LABOR	hour	10.91	0.6211	6.78	_____
DIESEL FUEL					
Tractors	gal	2.46	11.9885	29.48	_____
REPAIR & MAINTENANCE					
Implements	acre	67.03	1.0000	67.03	_____
Tractors	acre	2.65	1.0000	2.65	_____
R.B.ConveySnapBeans	bu	0.39	200.0000	79.68	_____
Rot.Pk Table S Beans	bu	0.03	200.0000	6.38	_____
INTEREST ON OP. CAP.	acre	23.53	1.0000	23.53	_____
TOTAL DIRECT EXPENSES				3056.61	_____
FIXED EXPENSES					
Implements	acre	137.28	1.0000	137.28	_____
Tractors	acre	17.78	1.0000	17.78	_____
R.B.ConveySnapBeans	each	165.69	0.0200	3.31	_____
Rot.Pk Table S Beans	each	139.86	0.0200	2.80	_____
TOTAL FIXED EXPENSES				161.17	_____
TOTAL SPECIFIED EXPENSES				3217.78	_____

Note: Cost of production estimates are based on 2008 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, 2009

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	198.81	0.00	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	13.54	0.00	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	6.66	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	13.10	18.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	350.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	13.87	11.63	16.21	1784.86	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	9.04	8.43	11.16	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	3.15	26.23	40.19	86.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	4.89	6.15	1.18	11.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	249.96	415.54	117.92	2273.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-249.96	-415.54	-117.92	-2273.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-249.96	-665.50	-783.42	-3056.61	-3056.61	-3056.61	-3056.61	-3056.61	-3056.61	-3056.61	-3056.61	-3056.61

Note: Cost of production estimates are based on 2008 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, 2009

			-----BREAKEVEN PRICE-----										
Snap Beans			11.12	11.83	12.65	13.60	14.73	16.08	17.74	19.80	22.46	26.01	30.97
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	30lb	-1823	-1752	-1670	-1575	-1462	-1327	-1161	-955	-689	-334	161
			-1984	-1913	-1831	-1736	-1623	-1488	-1322	-1116	-850	-496	0
60	120.00	30lb	-1624	-1539	-1441	-1327	-1191	-1029	-831	-582	-264	161	756
			-1785	-1700	-1602	-1488	-1352	-1190	-992	-744	-425	0	595
70	140.00	30lb	-1426	-1327	-1212	-1079	-921	-731	-500	-210	161	657	1351
			-1587	-1488	-1373	-1240	-1082	-892	-661	-372	0	496	1190
80	160.00	30lb	-1227	-1114	-983	-831	-650	-434	-169	161	586	1153	1947
			-1389	-1275	-1144	-992	-811	-595	-330	0	425	992	1785
90	180.00	30lb	-1029	-901	-754	-582	-380	-136	161	533	1011	1649	2542
			-1190	-1063	-915	-744	-541	-297	0	372	850	1488	2381
100	200.00	30lb	-831	-689	-525	-334	-109	161	491	905	1436	2145	3137
			-992	-850	-686	-496	-270	0	330	744	1275	1984	2976
110	220.00	30lb	-632	-476	-296	-86	161	458	822	1277	1862	2641	3733
			-793	-637	-457	-248	0	297	661	1116	1700	2480	3571
120	240.00	30lb	-434	-264	-67	161	431	756	1153	1649	2287	3137	4328
			-595	-425	-228	0	270	595	992	1488	2126	2976	4167
130	260.00	30lb	-235	-51	161	409	702	1054	1484	2021	2712	3633	4923
			-396	-212	0	248	541	892	1322	1860	2551	3472	4762
140	280.00	30lb	-37	161	390	657	972	1351	1814	2393	3137	4129	5519
			-198	0	228	496	811	1190	1653	2232	2976	3968	5357
150	300.00	30lb	161	373	619	905	1243	1649	2145	2765	3562	4626	6114
			0	212	457	744	1082	1488	1984	2604	3401	4464	5953

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 2008 input prices.

Table 11.A Estimated resource use and costs for field operations, per acre
 Snap beans, fresh market - mechanical harvest
 Mississippi, 2009

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Custom Apply Fert	acre			0.33	Feb							0.4950	9.00	4.46	4.46
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Feb	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed +App Fert	4 Row	2WD 75 hp	0.141	1.00	Feb	1.46	0.81	0.20	0.60	0.21	2.13				5.20
Fert 13-13-13	cwt											6.0000	30.00	180.00	180.00
Cult + App Herb	4 Row	2WD 75 hp	0.193	1.00	Feb	2.00	1.11	0.36	1.08	0.29	2.93				7.48
Treflan HFP	pt											2.0000	3.33	6.66	6.66
Terrachlor 75 WP	lb											2.0000	6.77	13.54	13.54
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Mar	4.11	2.27	6.47	11.97	0.39	4.33				29.15
Snap Beans - Hybrid	lb											70.0000	5.00	350.00	350.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Mar	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Diazion AG500	pt											2.5000	5.24	13.10	13.10
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Basic Copper Sulfate	lb											6.0000	1.55	9.30	9.30
Cultivate+Sidedress	2 Row	2WD 75 hp	0.390	1.00	Apr	4.04	2.24	0.84	4.46	0.58	5.90				17.48
Amm Nitrate (34%)	cwt											0.7500	28.00	21.00	21.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Sevin XLR Plus	qt											2.0000	9.44	18.88	18.88
Picker Beans/Peas	1 Row	2WD 75 hp	3.571	1.00	May	36.95	20.46	40.36	38.92	10.71	99.03				235.72
Bushel Box	each											150.0000	1.20	180.00	180.00
Trailer - Snap Bean	16 ft	2WD 75 hp	3.571	1.00	May	36.95	20.46	1.22	2.33	7.14	69.00				129.96
Load Conveyor S Bean				1.00	May										
GRD LABOR S. BEANS	hour									20.00	168.20				168.20
Cooling Snap Beans	bu box			1.00	May							150.0000	0.75	112.50	112.50
R.B.ConveySnapBeans	each			1.00	May				3.31			0.0200			3.31
Application 1	bu							59.76		30.00	252.30	150.0000			312.06
Rot.Pk Table S Beans	each			1.00	May				2.80			0.0200			2.80
Application 1	bu							4.79		1.50	12.62	150.0000			17.41
TOTALS						107.14	59.31	172.78	182.72	72.93	639.25			909.44	2070.64
INTEREST ON OPERATING CAPITAL															17.42
UNALLOCATED LABOR															22.59
TOTAL SPECIFIED COST															2110.65

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.

Table 11.B Estimated costs per acre
 Snap beans, fresh market - mechanical harvest
 Mississippi, 2009

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	30.00	6.0000	180.00	_____
Amm Nitrate (34%)	cwt	28.00	0.7500	21.00	_____
FUNGICIDE					
Terrachlor 75 WP	lb	6.77	2.0000	13.54	_____
Basic Copper Sulfate	lb	1.55	6.0000	9.30	_____
HERBICIDE					
Treflan HFP	pt	3.33	2.0000	6.66	_____
INSECTICIDE					
Diazion AG500	pt	5.24	2.5000	13.10	_____
Sevin XLR Plus	qt	9.44	2.0000	18.88	_____
SEED/PLANTS					
Snap Beans - Hybrid	lb	5.00	70.0000	350.00	_____
OTHER					
Bushel Box	each	1.20	150.0000	180.00	_____
Cooling Snap Beans	bu box	0.75	150.0000	112.50	_____
OPERATOR LABOR					
Tractors	hour	10.91	10.3551	112.97	_____
HAND LABOR					
Implements	hour	8.41	11.0770	93.16	_____
GRD LABOR S. BEANS					
Special Labor	hour	8.41	20.0000	168.20	_____
R.B.ConveySnapBeans	hour	8.41	30.0000	252.30	_____
Rot.Pk Table S Beans	hour	8.41	1.5000	12.62	_____
UNALLOCATED LABOR	hour	10.90	2.0710	22.59	_____
DIESEL FUEL					
Tractors	gal	2.46	39.9750	98.34	_____
REPAIR & MAINTENANCE					
Implements	acre	108.23	1.0000	108.23	_____
Tractors	acre	8.80	1.0000	8.80	_____
R.B.ConveySnapBeans	bu	0.39	150.0000	59.76	_____
Rot.Pk Table S Beans	bu	0.03	150.0000	4.79	_____
INTEREST ON OP. CAP.	acre	17.42	1.0000	17.42	_____
TOTAL DIRECT EXPENSES				1868.62	_____
FIXED EXPENSES					
Implements	acre	176.61	1.0000	176.61	_____
Tractors	acre	59.31	1.0000	59.31	_____
R.B.ConveySnapBeans	each	165.69	0.0200	3.31	_____
Rot.Pk Table S Beans	each	139.86	0.0200	2.80	_____
TOTAL FIXED EXPENSES				242.03	_____
TOTAL SPECIFIED EXPENSES				2110.65	_____

Note: Cost of production estimates are based on 2008 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, 2009

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	180.00	0.00	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	13.54	0.00	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	6.66	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	13.10	18.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	350.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	292.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	13.87	11.63	19.61	616.73	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	9.04	8.43	13.03	67.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	3.15	26.23	40.01	112.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	4.60	6.15	1.23	5.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	235.32	415.54	123.06	1094.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-235.32	-415.54	-123.06	-1094.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-235.32	-650.86	-773.92	-1868.62	-1868.62	-1868.62	-1868.62	-1868.62	-1868.62	-1868.62	-1868.62	-1868.62

Note: Cost of production estimates are based on 2008 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, 2009

			-----BREAKEVEN PRICE-----										
Snap Beans			9.78	10.39	11.10	11.92	12.90	14.07	15.50	17.28	19.58	22.64	26.93
PERCENT	YIELD	UNIT	-----dollars-----										
50	75.00	30lb	-1044	-998	-945	-883	-810	-722	-615	-481	-309	-79	242
			-1286	-1240	-1187	-1125	-1052	-964	-857	-723	-551	-321	0
60	90.00	30lb	-915	-860	-797	-722	-635	-529	-401	-240	-33	242	627
			-1157	-1102	-1039	-964	-877	-771	-643	-482	-275	0	385
70	105.00	30lb	-787	-722	-648	-562	-459	-336	-186	0	242	563	1013
			-1029	-964	-890	-804	-701	-578	-428	-241	0	321	771
80	120.00	30lb	-658	-585	-500	-401	-284	-143	27	242	517	885	1399
			-900	-827	-742	-643	-526	-385	-214	0	275	643	1157
90	135.00	30lb	-529	-447	-351	-240	-108	49	242	483	793	1206	1785
			-771	-689	-593	-482	-350	-192	0	241	551	964	1543
100	150.00	30lb	-401	-309	-203	-79	66	242	456	724	1069	1528	2171
			-643	-551	-445	-321	-175	0	214	482	827	1286	1929
110	165.00	30lb	-272	-171	-54	81	242	435	670	965	1344	1850	2557
			-514	-413	-296	-160	0	192	428	723	1102	1608	2315
120	180.00	30lb	-143	-33	93	242	417	627	885	1206	1620	2171	2943
			-385	-275	-148	0	175	385	643	964	1378	1929	2701
130	195.00	30lb	-15	104	242	402	592	820	1099	1448	1896	2493	3329
			-257	-137	0	160	350	578	857	1206	1654	2251	3087
140	210.00	30lb	113	242	390	563	768	1013	1314	1689	2171	2815	3715
			-128	0	148	321	526	771	1072	1447	1929	2573	3473
150	225.00	30lb	242	379	538	724	943	1206	1528	1930	2447	3136	4101
			0	137	296	482	701	964	1286	1688	2205	2894	3859

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 2008 input prices.

Table 12.A Estimated resource use and costs for field operations, per acre
 Southern peas, fresh market - hand harvest
 Mississippi, 2009

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	38.00	18.81	18.81
Sub-Soiler	2 Shank	2WD 75 hp	0.404	1.00	Feb	4.18	2.32	0.89	2.49	0.40	4.41				14.29
Cyclone Spin	825 Lb	2WD 75 hp	0.084	1.00	Feb	0.87	0.48	0.06	0.22	0.08	0.92				2.55
Amm Nitrate (34%)	cwt											0.5000	28.00	14.00	14.00
Phosphorus(46% P205)	cwt											1.5600	46.00	71.76	71.76
Potash (60% K20)	cwt											1.2000	44.00	52.80	52.80
Disk Harrow	14 Ft	2WD 75 hp	0.141	2.00	Mar	2.93	1.62	1.35	3.22	0.28	3.09				12.21
Disk Bed	4 Row	2WD 75 hp	0.140	1.00	Mar	1.46	0.81	0.23	0.69	0.14	1.54				4.73
Cult + App Herb	4 Row	2WD 75 hp	0.193	1.00	Apr	2.00	1.11	0.36	1.08	0.29	2.93				7.48
Treflan HFP	pt											0.5000	3.33	1.67	1.67
Plntr - Vacuum	4 Row	2WD 75 hp	0.226	1.00	Apr	2.34	1.30	14.80	27.38	0.22	2.47				48.29
Southern Peas - OP	lb											10.0000	4.00	40.00	40.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Diazion AG500	pt											1.2500	5.24	6.55	6.55
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	3.00	May	7.63	4.22	28.49	56.62	0.73	8.04				105.00
Endosulfan 3E	pt											15.9480	3.40	54.22	54.22
Cultivate	4 Row	2WD 75 hp	0.193	1.00	May	2.00	1.11	2.61	7.74	0.19	2.11				15.57
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	3.00	May	2.79	1.55	0.08	0.16	0.54	5.22				9.80
HARVEST LABOR	hour			1.00	May					75.00	630.75				630.75
5-Gal Bucket	each											20.0000	3.00	60.00	60.00
Sheller S. Peas	each			1.00	May				7.18			0.0200			7.18
100/10 lb bg S. Peas	acre							0.24		6.00	50.46	1.0000			50.70
R.B.Convey S. Peas	each			1.00	May				3.31			0.0200			3.31
Rot.Pk.Table S Peas	each			1.00	May				2.80			0.0200			2.80
Application 1	acre							0.13		3.00	25.23	1.0000			25.36
Bag Sealer S. Peas	each			1.00	May				0.98			0.0200			0.98
Application 1	acre							0.61		0.10	0.84	1.0000			1.45
TOTALS							28.74	15.93	59.35	132.74	87.24	740.69		319.81	1297.26
INTEREST ON OPERATING CAPITAL															8.99
UNALLOCATED LABOR															6.06
TOTAL SPECIFIED COST															1312.31

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.

Table 12.B Estimated costs per acre
 Southern peas, fresh market - hand harvest
 Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Amm Nitrate (34%)	cwt	28.00	0.5000	14.00	_____
Phosphorus(46% P205)	cwt	46.00	1.5600	71.76	_____
Potash (60% K20)	cwt	44.00	1.2000	52.80	_____
HERBICIDE					
Treflan HFP	pt	3.33	0.5000	1.67	_____
INSECTICIDE					
Diazion AG500	pt	5.24	1.2500	6.55	_____
Endosulfan 3E	pt	3.40	15.9480	54.22	_____
SEED/PLANTS					
Southern Peas - OP	lb	4.00	10.0000	40.00	_____
OTHER					
5-Gal Bucket	each	3.00	20.0000	60.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	2.7793	30.32	_____
HARVEST LABOR					
Special Labor	hour	8.41	75.0000	630.75	_____
HAND LABOR					
Implements	hour	8.41	0.3669	3.09	_____
GRD LABOR S. PEAS					
Rot.Pk.Table S Peas	hour	8.41	3.0000	25.23	_____
Bag Sealer S. Peas	hour	8.41	0.1000	0.84	_____
Sheller S. Peas	hour	8.41	6.0000	50.46	_____
UNALLOCATED LABOR	hour	10.90	0.5558	6.06	_____
DIESEL FUEL					
Tractors	gal	2.46	10.7294	26.39	_____
REPAIR & MAINTENANCE					
Implements	acre	58.37	1.0000	58.37	_____
Tractors	acre	2.35	1.0000	2.35	_____
Rot.Pk.Table S Peas	acre	0.12	1.0000	0.13	_____
Bag Sealer S. Peas	acre	0.60	1.0000	0.61	_____
Sheller S. Peas	acre	0.24	1.0000	0.24	_____
INTEREST ON OP. CAP.	acre	8.99	1.0000	8.99	_____
TOTAL DIRECT EXPENSES				1163.64	_____
FIXED EXPENSES					
Implements	acre	118.47	1.0000	118.47	_____
Tractors	acre	15.93	1.0000	15.93	_____
R.B.Convey S. Peas	each	165.69	0.0200	3.31	_____
Rot.Pk.Table S Peas	each	139.86	0.0200	2.80	_____
Bag Sealer S. Peas	each	48.83	0.0200	0.98	_____
Sheller S. Peas	each	359.09	0.0200	7.18	_____
TOTAL FIXED EXPENSES				148.67	_____
TOTAL SPECIFIED EXPENSES				1312.31	_____

Note: Cost of production estimates are based on 2008 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, 2009

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	18.81	138.56	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	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	6.55	54.22	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	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	6.39	5.56	9.53	725.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	4.64	4.03	6.32	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.36	1.94	25.22	33.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.47	3.03	0.17	0.90	4.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	19.28	153.98	11.70	90.19	888.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-19.28	-153.98	-11.70	-90.19	-888.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-19.28	-173.26	-184.96	-275.15	-1163.64	-1163.64	-1163.64	-1163.64	-1163.64	-1163.64	-1163.64	-1163.64

Note: Cost of production estimates are based on 2008 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, 2009

Southern Peas			-----BREAKEVEN PRICE-----										
			8.74	9.37	10.09	10.93	11.93	13.12	14.58	16.40	18.74	21.87	26.24
PERCENT	YIELD	UNIT	-----dollars-----										
50	50.00	101b	-726	-694	-658	-616	-567	-507	-434	-343	-226	-70	148
			-874	-843	-807	-765	-715	-656	-583	-492	-374	-218	0
60	60.00	101b	-638	-601	-557	-507	-447	-376	-288	-179	-38	148	411
			-787	-749	-706	-656	-596	-524	-437	-328	-187	0	262
70	70.00	101b	-551	-507	-457	-398	-328	-245	-142	-15	148	367	673
			-699	-656	-605	-546	-477	-393	-291	-164	0	218	524
80	80.00	101b	-463	-413	-356	-288	-209	-113	2	148	336	586	936
			-612	-562	-504	-437	-357	-262	-145	0	187	437	787
90	90.00	101b	-376	-320	-255	-179	-89	17	148	312	523	804	1198
			-524	-468	-403	-328	-238	-131	0	164	374	656	1049
100	100.00	101b	-288	-226	-154	-70	29	148	294	476	711	1023	1460
			-437	-374	-302	-218	-119	0	145	328	562	874	1312
110	110.00	101b	-201	-132	-53	39	148	279	440	640	898	1242	1723
			-349	-281	-201	-109	0	131	291	492	749	1093	1574
120	120.00	101b	-113	-38	47	148	267	411	586	804	1086	1460	1985
			-262	-187	-100	0	119	262	437	656	937	1312	1837
130	130.00	101b	-26	54	148	258	387	542	731	968	1273	1679	2248
			-174	-93	0	109	238	393	583	820	1124	1531	2099
140	140.00	101b	61	148	249	367	506	673	877	1132	1460	1898	2510
			-87	0	100	218	357	524	729	984	1312	1749	2362
150	150.00	101b	148	242	350	476	625	804	1023	1296	1648	2117	2773
			0	93	201	328	477	656	874	1148	1499	1968	2624

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 2008 input prices.

Table 13.A Estimated resource use and costs for field operations, per acre
 Southern peas, fresh market-mechanical harvest
 Mississippi, 2009

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	38.00	18.81	18.81
Sub-Soiler	2 Shank	2WD 75 hp	0.404	1.00	Feb	4.18	2.32	0.89	2.49	0.40	4.41				14.29
Cyclone Spin	825 Lb	2WD 75 hp	0.084	1.00	Feb	0.87	0.48	0.06	0.22	0.08	0.92				2.55
Amm Nitrate (34%)	cwt											0.5000	28.00	14.00	14.00
Phosphorus(46% P205)	cwt											1.5600	46.00	71.76	71.76
Potash (60% K20)	cwt											1.2000	44.00	52.80	52.80
Disk Harrow	14 Ft	2WD 75 hp	0.141	2.00	Mar	2.93	1.62	1.35	3.22	0.28	3.09				12.21
Disk Bed	4 Row	2WD 75 hp	0.140	1.00	Mar	1.46	0.81	0.23	0.69	0.14	1.54				4.73
Cult + App Herb	4 Row	2WD 75 hp	0.193	1.00	Apr	2.00	1.11	0.36	1.08	0.29	2.93				7.48
Treflan HFP	pt											0.5000	3.33	1.67	1.67
Plntr - Vacuum	4 Row	2WD 75 hp	0.226	1.00	Apr	2.34	1.30	14.80	27.38	0.22	2.47				48.29
Southern Peas - OP	lb											10.0000	4.00	40.00	40.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Diazion AG500	pt											1.2500	5.24	6.55	6.55
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	3.00	May	7.63	4.22	28.49	56.62	0.73	8.04				105.00
Endosulfan 3E	pt											15.9480	3.40	54.22	54.22
Cultivate	4 Row	2WD 75 hp	0.193	1.00	May	2.00	1.11	2.61	7.74	0.19	2.11				15.57
Picker Beans/Peas	1 Row	2WD 75 hp	3.571	1.00	May	36.95	20.46	40.36	38.92	10.71	99.03				235.72
Sacks - S Peas	each											75.0000	0.65	48.75	48.75
Trailer-Southern Pea	16 ft	2WD 75 hp	3.571	1.00	May	36.95	20.46	1.22	2.33	7.14	69.00				129.96
Sheller S. Peas	each			1.00	May				7.18			0.0200			7.18
64/10 lb bg S. Peas	acre							0.24		6.00	50.46	1.0000			50.70
R.B.Convey S. Peas	each			1.00	May				3.31			0.0200			3.31
Rot.Pk.Table S Peas	each			1.00	May				2.80			0.0200			2.80
Application 1	acre							0.13		3.00	25.23	1.0000			25.36
Bag Sealer S. Peas	each			1.00	May				0.98			0.0200			0.98
Application 1	acre							0.61		0.10	0.84	1.0000			1.45
TOTALS						99.85	55.30	100.85	173.83	29.56	272.75			308.56	1011.14
INTEREST ON OPERATING CAPITAL															7.23
UNALLOCATED LABOR															21.05
TOTAL SPECIFIED COST															1039.42

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.

Table 13.B Estimated costs per acre
 Southern peas, fresh market-mechanical harvest
 Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Amm Nitrate (34%)	cwt	28.00	0.5000	14.00	_____
Phosphorus(46% P205)	cwt	46.00	1.5600	71.76	_____
Potash (60% K20)	cwt	44.00	1.2000	52.80	_____
HERBICIDE					
Treflan HFP	pt	3.33	0.5000	1.67	_____
INSECTICIDE					
Diazion AG500	pt	5.24	1.2500	6.55	_____
Endosulfan 3E	pt	3.40	15.9480	54.22	_____
SEED/PLANTS					
Southern Peas - OP	lb	4.00	10.0000	40.00	_____
OTHER					
Sacks - S Peas	each	0.65	75.0000	48.75	_____
OPERATOR LABOR					
Tractors	hour	10.91	9.6522	105.29	_____
HAND LABOR					
Implements	hour	8.41	10.8112	90.93	_____
GRD LABOR S. PEAS					
Rot.Pk.Table S Peas	hour	8.41	3.0000	25.23	_____
Bag Sealer S. Peas	hour	8.41	0.1000	0.84	_____
Sheller S. Peas	hour	8.41	6.0000	50.46	_____
UNALLOCATED LABOR	hour	10.90	1.9304	21.05	_____
DIESEL FUEL					
Tractors	gal	2.46	37.2614	91.67	_____
REPAIR & MAINTENANCE					
Implements	acre	99.87	1.0000	99.87	_____
Tractors	acre	8.18	1.0000	8.18	_____
Rot.Pk.Table S Peas	acre	0.12	1.0000	0.13	_____
Bag Sealer S. Peas	acre	0.60	1.0000	0.61	_____
Sheller S. Peas	acre	0.24	1.0000	0.24	_____
INTEREST ON OP. CAP.	acre	7.23	1.0000	7.23	_____
TOTAL DIRECT EXPENSES				810.29	_____
FIXED EXPENSES					
Implements	acre	159.56	1.0000	159.56	_____
Tractors	acre	55.30	1.0000	55.30	_____
R.B.Convey S. Peas	each	165.69	0.0200	3.31	_____
Rot.Pk.Table S Peas	each	139.86	0.0200	2.80	_____
Bag Sealer S. Peas	each	48.83	0.0200	0.98	_____
Sheller S. Peas	each	359.09	0.0200	7.18	_____
TOTAL FIXED EXPENSES				229.13	_____
TOTAL SPECIFIED EXPENSES				1039.42	_____

Note: Cost of production estimates are based on 2008 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, 2009

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	18.81	138.56	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	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	6.55	54.22	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	48.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	6.39	5.56	9.53	272.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	4.64	4.03	6.32	76.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.36	1.94	25.22	80.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.47	3.03	0.17	0.90	2.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	19.28	153.98	11.70	90.19	535.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-19.28	-153.98	-11.70	-90.19	-535.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-19.28	-173.26	-184.96	-275.15	-810.29	-810.29	-810.29	-810.29	-810.29	-810.29	-810.29	-810.29

Note: Cost of production estimates are based on 2008 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, 2009

			-----BREAKEVEN PRICE-----										
Southern Peas			10.82	11.60	12.49	13.53	14.76	16.24	18.04	20.30	23.20	27.06	32.48
PERCENT	YIELD	UNIT	-----dollars-----										
50	32.00	101b	-463	-439	-410	-377	-337	-290	-232	-160	-67	55	229
			-692	-668	-639	-606	-566	-519	-461	-389	-296	-173	0
60	38.40	101b	-394	-364	-330	-290	-243	-186	-117	-30	80	229	437
			-623	-593	-559	-519	-472	-415	-346	-259	-148	0	207
70	44.80	101b	-325	-290	-250	-203	-148	-82	-1	99	229	402	644
			-554	-519	-479	-433	-377	-311	-230	-129	0	173	415
80	51.20	101b	-255	-216	-170	-117	-54	21	113	229	377	575	852
			-485	-445	-399	-346	-283	-207	-115	0	148	346	623
90	57.60	101b	-186	-142	-90	-30	40	125	229	359	526	748	1060
			-415	-371	-319	-259	-188	-103	0	129	296	519	831
100	64.00	101b	-117	-67	-10	55	134	229	344	488	674	922	1268
			-346	-296	-239	-173	-94	0	115	259	445	692	1039
110	70.40	101b	-48	6	69	142	229	333	460	618	823	1095	1476
			-277	-222	-159	-86	0	103	230	389	593	866	1247
120	76.80	101b	21	80	149	229	323	437	575	748	971	1268	1684
			-207	-148	-79	0	94	207	346	519	742	1039	1455
130	83.20	101b	90	154	229	315	418	540	691	878	1120	1441	1892
			-138	-74	0	86	188	311	461	649	890	1212	1663
140	89.60	101b	159	229	309	402	512	644	806	1008	1268	1615	2100
			-69	0	79	173	283	415	577	779	1039	1385	1870
150	96.00	101b	229	303	389	488	607	748	922	1138	1417	1788	2307
			0	74	159	259	377	519	692	909	1187	1559	2078

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 2008 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, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Mar	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed +App Fert	4 Row	2WD 75 hp	0.141	1.00	Mar	1.46	0.81	0.20	0.60	0.21	2.13				5.20
Fert 13-13-13	cwt											9.0000	30.00	270.00	270.00
BS.lay/tape/Squash	5ftctr	2WD 75 hp	1.294	1.00	Mar	13.39	7.41	2.18	7.10	1.29	14.12				44.20
Plastic Mulch	roll											2.2000	162.00	356.40	356.40
Drip Tape	roll											1.5000	156.00	234.00	234.00
Plntr/H20/pnch/seed	1 Row	2WD 75 hp	2.578	1.00	Apr	26.67	14.77	4.14	7.79	5.15	49.81				103.18
Squash - Hybrid	lb											2.0000	145.00	290.00	290.00
Irrigation				1.00	Apr										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Calcium Nitrate	lbs											25.0000	0.20	5.00	5.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Asana XL	oz											6.0000	0.72	4.32	4.32
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									2.00	16.82				16.82
Calcium Nitrate	lbs											50.0000	0.20	10.00	10.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Quadris	oz											11.0000	2.16	23.76	23.76
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Calcium Nitrate	lbs											25.0000	0.20	5.00	5.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Asana XL	oz											12.0000	0.72	8.64	8.64
Bravo Weather Stick	pt											4.0000	6.25	25.00	25.00
Fertigate CAN03/KN03				4.00	May										
FERTIGATION LABOR	hour									4.00	33.64				33.64
Calcium Nitrate	lbs											100.0000	0.20	20.00	20.00
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	10.00	Jun	9.31	5.16	0.27	0.53	1.80	17.39				32.66
HARVEST LABOR	hour			1.00	Jun					100.00	841.00				841.00
5-Gal Bucket	each											200.0000	3.00	600.00	600.00
Bushel Box	each											250.0000	1.20	300.00	300.00
GRADE & PACK LABOR	hour			10.00	Jun					110.00	925.10				925.10
Mulch Lifter	1 Row	2WD 75 hp	0.589	1.00	Jun	6.10	3.38	0.12	2.60	0.58	6.43				18.63
LABOR MULCH CLEANUP	hour									15.00	126.15				126.15
Irrigation Setup	acre				Apr							1.0000			463.70
TOTALS						73.48	40.69	46.69	98.11	243.65	2066.86			2620.99	5410.52
INTEREST ON OPERATING CAPITAL															48.54
UNALLOCATED LABOR															15.51
TOTAL SPECIFIED COST															5474.57

Note: Cost of production estimates are based on 2008 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, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Fert 13-13-13	cwt	30.00	9.0000	270.00	_____
Calcium Nitrate	lbs	0.20	200.0000	40.00	_____
FUNGICIDE					
Quadris	oz	2.16	11.0000	23.76	_____
Bravo Weather Stick	pt	6.25	4.0000	25.00	_____
INSECTICIDE					
Asana XL	oz	0.72	18.0000	12.96	_____
SEED/PLANTS					
Squash - Hybrid	lb	145.00	2.0000	290.00	_____
OTHER					
Plastic Mulch	roll	162.00	2.2000	356.40	_____
5-Gal Bucket	each	3.00	200.0000	600.00	_____
Bushel Box	each	1.20	250.0000	300.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	1.5000	234.00	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	10.91	7.1016	77.49	_____
HARVEST LABOR					
Special Labor	hour	8.41	100.0000	841.00	_____
GRADE & PACK LABOR					
Special Labor	hour	8.41	110.0000	925.10	_____
HAND LABOR					
Implements	hour	8.41	3.5486	29.84	_____
FERTIGATION LABOR					
Special Labor	hour	8.41	8.0000	67.28	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.41	15.0000	126.15	_____
UNALLOCATED LABOR					
	hour	10.92	1.4203	15.51	_____
DIESEL FUEL					
Tractors	gal	2.46	27.4152	67.44	_____
REPAIR & MAINTENANCE					
Implements	acre	46.69	1.0000	46.69	_____
Tractors	acre	6.04	1.0000	6.04	_____
INTEREST ON OP. CAP.	acre	48.54	1.0000	48.54	_____
TOTAL DIRECT EXPENSES				4872.07	_____
FIXED EXPENSES					
Implements	acre	98.11	1.0000	98.11	_____
Tractors	acre	40.69	1.0000	40.69	_____
Irrigation Setup	acre	463.70	1.0000	463.70	_____
TOTAL FIXED EXPENSES				602.50	_____
TOTAL SPECIFIED EXPENSES				5474.57	_____

Note: Cost of production estimates are based on 2008 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, 2009

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	18.81	270.00	20.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	48.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	12.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	290.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	356.40	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	234.00	450.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.88	24.58	101.95	33.64	1919.32	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	2.09	17.40	33.80	0.00	14.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.75	5.16	45.17	0.00	1.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.61	18.15	15.06	0.54	14.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	25.14	925.69	1017.76	54.18	2849.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-25.14	-925.69	-1017.76	-54.18	-2849.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-25.14	-950.83	-1968.59	-2022.77	-4872.07	-4872.07	-4872.07	-4872.07	-4872.07	-4872.07	-4872.07	-4872.07

Note: Cost of production estimates are based on 2008 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, 2009

			-----BREAKEVEN PRICE-----										
Squash			15.00	15.98	17.12	18.44	20.01	21.89	24.19	27.07	30.76	35.69	42.59
PERCENT	YIELD	UNIT	-----dollars-----										
50	125.00	421b	-2846	-2723	-2580	-2415	-2219	-1984	-1696	-1337	-875	-259	602
			-3448	-3325	-3183	-3017	-2821	-2586	-2299	-1939	-1478	-862	0
60	150.00	421b	-2501	-2353	-2182	-1984	-1748	-1466	-1121	-690	-136	602	1637
			-3103	-2956	-2785	-2586	-2351	-2069	-1724	-1293	-739	0	1034
70	175.00	421b	-2156	-1984	-1785	-1552	-1278	-949	-547	-44	602	1464	2671
			-2758	-2586	-2387	-2155	-1881	-1551	-1149	-646	0	862	2069
80	200.00	421b	-1811	-1614	-1387	-1121	-808	-432	27	602	1341	2326	3706
			-2414	-2217	-1989	-1724	-1410	-1034	-574	0	739	1724	3103
90	225.00	421b	-1466	-1245	-989	-690	-338	85	602	1249	2080	3189	4740
			-2069	-1847	-1591	-1293	-940	-517	0	646	1478	2586	4138
100	250.00	421b	-1121	-875	-591	-259	132	602	1177	1895	2819	4051	5775
			-1724	-1478	-1193	-862	-470	0	574	1293	2217	3448	5173
110	275.00	421b	-776	-506	-193	171	602	1119	1752	2542	3558	4913	6810
			-1379	-1108	-795	-431	0	517	1149	1939	2956	4310	6207
120	300.00	421b	-432	-136	204	602	1072	1637	2326	3189	4297	5775	7844
			-1034	-739	-397	0	470	1034	1724	2586	3695	5173	7242
130	325.00	421b	-87	232	602	1033	1543	2154	2901	3835	5036	6637	8879
			-689	-369	0	431	940	1551	2299	3233	4434	6035	8276
140	350.00	421b	257	602	1000	1464	2013	2671	3476	4482	5775	7499	9914
			-344	0	397	862	1410	2069	2873	3879	5173	6897	9311
150	375.00	421b	602	972	1398	1895	2483	3189	4051	5128	6514	8362	10948
			0	369	795	1293	1881	2586	3448	4526	5912	7759	10346

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 2008 input prices.

Table 15.A Estimated resource use and costs for field operations, per acre
 Sweet corn, fresh market hand harvest
 Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Feb	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed +App Fert	4 Row	2WD 75 hp	0.141	1.00	Mar	1.46	0.81	0.20	0.60	0.21	2.13				5.20
Fert 13-13-13	cwt											7.5000	30.00	225.00	225.00
Cultivate	4 Row	2WD 75 hp	0.193	1.00	Mar	2.00	1.11	2.61	7.74	0.19	2.11				15.57
Plntr-vacuum+insect	4R30-40"	2WD 75 hp	0.226	1.00	Mar	2.34	1.30	20.46	37.85	0.22	2.47				64.42
Sweet Corn - Hybrid	lb											9.0000	12.00	108.00	108.00
Furadan 4 F	pt											2.0000	9.52	19.04	19.04
Cult + App Herb	4 Row	2WD 75 hp	0.193	1.00	Mar	2.00	1.11	0.36	1.08	0.29	2.93				7.48
Bicep II Magnum	pt											4.0000	4.73	18.92	18.92
Cultivate+Sidedress	4 Row	2WD 75 hp	0.193	2.00	Apr	4.01	2.22	2.37	12.66	0.58	5.86				27.12
Amm Nitrate (34%)	cwt											4.0000	28.00	112.00	112.00
Sprayer(300-450gal)	47 ft		0.022	7.00	May	2.55	3.69			0.15	1.72				7.96
Lannate LV	pt											9.1000	7.67	69.80	69.80
Sprayer(300-450gal)	47 ft		0.022	3.00	Jun	1.10	1.58			0.06	0.74				3.42
Lannate LV	pt											3.9000	7.67	29.91	29.91
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	1.00	Jun	0.93	0.52	0.03	0.05	0.18	1.74				3.27
HARVEST & PACK LABOR	hour			1.00	Jun					50.00	420.50				420.50
Crates - Sweet Corn	each			1.00	Jun							200.0000	1.25	250.00	250.00
Ice + Cooling	crate											200.0000	0.70	140.00	140.00
TOTALS						22.78	15.87	27.81	63.98	52.52	446.93			991.48	1568.85
INTEREST ON OPERATING CAPITAL															16.08
UNALLOCATED LABOR															4.53
TOTAL SPECIFIED COST															1589.46

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.

Table 15.B Estimated costs per acre
 Sweet corn, fresh market hand harvest
 Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Fert 13-13-13	cwt	30.00	7.5000	225.00	_____
Amm Nitrate (34%)	cwt	28.00	4.0000	112.00	_____
HERBICIDE					
Bicep II Magnum	pt	4.73	4.0000	18.92	_____
INSECTICIDE					
Furadan 4 F	pt	9.52	2.0000	19.04	_____
Lannate LV	pt	7.67	13.0000	99.71	_____
SEED/PLANTS					
Sweet Corn - Hybrid	lb	12.00	9.0000	108.00	_____
OTHER					
Crates - Sweet Corn	each	1.25	200.0000	250.00	_____
Ice + Cooling	crate	0.70	200.0000	140.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	1.8500	20.17	_____
Self-Propelled	hour	10.91	0.2250	2.46	_____
HAND LABOR					
Implements	hour	8.41	0.4512	3.80	_____
HARVEST & PACK LABOR					
Special Labor	hour	8.41	50.0000	420.50	_____
UNALLOCATED LABOR	hour	10.91	0.4150	4.53	_____
DIESEL FUEL					
Tractors	gal	2.46	7.1417	17.56	_____
Self-Propelled	gal	2.46	1.1871	2.92	_____
REPAIR & MAINTENANCE					
Implements	acre	27.81	1.0000	27.81	_____
Tractors	acre	1.57	1.0000	1.57	_____
Self-Propelled	acre	0.73	1.0000	0.73	_____
INTEREST ON OP. CAP.	acre	16.08	1.0000	16.08	_____
TOTAL DIRECT EXPENSES				1509.61	_____
FIXED EXPENSES					
Implements	acre	63.98	1.0000	63.98	_____
Tractors	acre	10.60	1.0000	10.60	_____
Self-Propelled	acre	5.27	1.0000	5.27	_____
TOTAL FIXED EXPENSES				79.85	_____
TOTAL SPECIFIED EXPENSES				1589.46	_____

Note: Cost of production estimates are based on 2008 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, 2009

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	18.81	0.00	225.00	112.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	18.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	19.04	0.00	69.80	29.91	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	108.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	8.08	11.28	6.71	2.06	423.33	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	5.86	7.17	3.68	2.04	1.73	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	2.31	24.26	2.70	0.51	0.33	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.56	0.40	8.27	1.88	0.75	4.22	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	19.37	16.65	421.94	126.97	75.16	849.52	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-19.37	-16.65	-421.94	-126.97	-75.16	-849.52	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-19.37	-36.02	-457.96	-584.93	-660.09	-1509.61	-1509.61	-1509.61	-1509.61	-1509.61	-1509.61	-1509.61

Note: Cost of production estimates are based on 2008 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, 2009

			-----BREAKEVEN PRICE-----										
Sweet Corn			5.95	6.23	6.56	6.94	7.40	7.94	8.61	9.44	10.51	11.93	13.93
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	5doz	-718	-689	-657	-618	-573	-518	-452	-369	-262	-119	79
			-798	-769	-736	-698	-653	-598	-532	-449	-342	-199	0
60	120.00	5doz	-638	-604	-564	-518	-464	-399	-319	-219	-91	79	319
			-718	-684	-644	-598	-544	-479	-399	-299	-171	0	239
70	140.00	5doz	-558	-518	-472	-419	-355	-279	-186	-69	79	279	558
			-638	-598	-552	-498	-435	-359	-266	-149	0	199	479
80	160.00	5doz	-478	-433	-380	-319	-246	-159	-53	79	250	479	798
			-558	-513	-460	-399	-326	-239	-133	0	171	399	718
90	180.00	5doz	-399	-347	-288	-219	-137	-39	79	229	421	678	1037
			-479	-427	-368	-299	-217	-119	0	149	342	598	958
100	200.00	5doz	-319	-262	-196	-119	-29	79	212	379	593	878	1277
			-399	-342	-276	-199	-108	0	133	299	513	798	1197
110	220.00	5doz	-239	-176	-104	-19	79	199	345	528	764	1077	1516
			-319	-256	-184	-99	0	119	266	449	684	997	1437
120	240.00	5doz	-159	-91	-12	79	188	319	479	678	935	1277	1756
			-239	-171	-92	0	108	239	399	598	855	1197	1676
130	260.00	5doz	-79	-5	79	179	297	439	612	828	1106	1476	1995
			-159	-85	0	99	217	359	532	748	1026	1397	1916
140	280.00	5doz	0	79	171	279	406	558	745	977	1277	1676	2235
			-79	0	92	199	326	479	665	898	1197	1596	2155
150	300.00	5doz	79	165	264	379	515	678	878	1127	1448	1876	2474
			0	85	184	299	435	598	798	1047	1368	1796	2395

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 2008 input prices.

Table 16.A Estimated resource use and costs for field operations, per acre
 Sweet corn, fresh market-train harvest (shipping)
 Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Feb	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed +App Fert	4 Row	2WD 75 hp	0.141	1.00	Mar	1.46	0.81	0.20	0.60	0.21	2.13				5.20
Fert 13-13-13	cwt											7.5000	30.00	225.00	225.00
Cultivate	4 Row	2WD 75 hp	0.193	1.00	Mar	2.00	1.11	2.61	7.74	0.19	2.11				15.57
Plntr-vacuum+insect	4R30-40"	2WD 75 hp	0.226	1.00	Mar	2.34	1.30	20.46	37.85	0.22	2.47				64.42
Sweet Corn - Hybrid	lb											9.0000	12.00	108.00	108.00
Furadan 4 F	pt											2.0000	9.52	19.04	19.04
Cult + App Herb	4 Row	2WD 75 hp	0.193	1.00	Mar	2.00	1.11	0.36	1.08	0.29	2.93				7.48
Bicep II Magnum	pt											4.0000	4.73	18.92	18.92
Cultivate+Sidedress	2 Row	2WD 75 hp	0.390	2.00	Apr	8.08	4.48	1.67	8.92	1.17	11.81				34.96
Amm Nitrate (34%)	cwt											4.0000	28.00	112.00	112.00
Sprayer(300-450gal)	47 ft		0.022	7.00	May	2.55	3.69			0.15	1.72				7.96
Lannate LV	pt											9.1000	7.67	69.80	69.80
Sprayer(300-450gal)	47 ft		0.022	3.00	Jun	1.10	1.58			0.06	0.74				3.42
Lannate LV	pt											3.9000	7.67	29.91	29.91
Mule Train (Corn)	30 ft	2WD 75 hp	0.229	1.00	Jun	2.37	1.31	11.55	89.35	7.56	64.17				168.75
Trailer(MuleTrn)Corn	16 ft	2WD 75 hp	0.229	1.00	Jun	2.37	1.31	1.17	2.23	0.68	6.35				13.43
Crates - Sweet Corn	each			1.00	Jun							200.0000	1.25	250.00	250.00
Ice + Cooling	crate											200.0000	0.70	140.00	140.00
TOTALS						30.66	20.23	39.80	151.77	11.18	101.16			991.48	1335.10
INTEREST ON OPERATING CAPITAL															14.56
UNALLOCATED LABOR															6.18
TOTAL SPECIFIED COST															1355.84

Note: Cost of production estimates are based on 2008 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, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Fert 13-13-13	cwt	30.00	7.5000	225.00	_____
Amm Nitrate (34%)	cwt	28.00	4.0000	112.00	_____
HERBICIDE					
Bicep II Magnum	pt	4.73	4.0000	18.92	_____
INSECTICIDE					
Furadan 4 F	pt	9.52	2.0000	19.04	_____
Lannate LV	pt	7.67	13.0000	99.71	_____
SEED/PLANTS					
Sweet Corn - Hybrid	lb	12.00	9.0000	108.00	_____
OTHER					
Crates - Sweet Corn	each	1.25	200.0000	250.00	_____
Ice + Cooling	crate	0.70	200.0000	140.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	2.6119	28.48	_____
Self-Propelled	hour	10.91	0.2250	2.46	_____
HARVEST LABOR					
Implements	hour	8.41	7.7917	65.52	_____
HAND LABOR					
Implements	hour	8.41	0.5580	4.70	_____
UNALLOCATED LABOR	hour	10.89	0.5673	6.18	_____
DIESEL FUEL					
Tractors	gal	2.46	10.0830	24.81	_____
Self-Propelled	gal	2.46	1.1871	2.92	_____
REPAIR & MAINTENANCE					
Implements	acre	39.80	1.0000	39.80	_____
Tractors	acre	2.20	1.0000	2.20	_____
Self-Propelled	acre	0.73	1.0000	0.73	_____
INTEREST ON OP. CAP.	acre	14.56	1.0000	14.56	_____
TOTAL DIRECT EXPENSES				1183.84	_____
FIXED EXPENSES					
Implements	acre	151.77	1.0000	151.77	_____
Tractors	acre	14.96	1.0000	14.96	_____
Self-Propelled	acre	5.27	1.0000	5.27	_____
TOTAL FIXED EXPENSES				172.00	_____
TOTAL SPECIFIED EXPENSES				1355.84	_____

Note: Cost of production estimates are based on 2008 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, 2009

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	18.81	0.00	225.00	112.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	18.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	19.04	0.00	69.80	29.91	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	108.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	8.08	11.28	13.51	2.06	72.41	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	5.86	7.17	7.42	2.04	5.24	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	2.31	24.26	2.33	0.51	13.32	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.56	0.40	8.27	2.03	0.75	2.55	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	19.37	16.65	421.94	137.29	75.16	513.43	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-19.37	-16.65	-421.94	-137.29	-75.16	-513.43	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-19.37	-36.02	-457.96	-595.25	-670.41	-1183.84	-1183.84	-1183.84	-1183.84	-1183.84	-1183.84	-1183.84

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 16.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
Sweet corn, fresh market-train harvest (shipping)
Mississippi, 2009

			-----BREAKEVEN PRICE-----										
Sweet Corn			5.17	5.40	5.66	5.97	6.34	6.77	7.31	7.98	8.84	9.99	11.59
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	5doz	-470	-447	-421	-390	-353	-309	-256	-189	-103	11	172
			-642	-619	-593	-562	-525	-481	-428	-361	-275	-160	0
60	120.00	5doz	-406	-378	-347	-309	-266	-213	-149	-68	34	172	364
			-578	-550	-519	-481	-438	-385	-321	-240	-137	0	192
70	140.00	5doz	-342	-309	-272	-229	-178	-117	-42	51	172	332	557
			-514	-481	-444	-401	-350	-289	-214	-120	0	160	385
80	160.00	5doz	-277	-241	-198	-149	-90	-20	64	172	309	493	750
			-449	-413	-370	-321	-262	-192	-107	0	137	321	578
90	180.00	5doz	-213	-172	-124	-68	-3	75	172	292	447	653	943
			-385	-344	-296	-240	-175	-96	0	120	275	481	771
100	200.00	5doz	-149	-103	-50	11	84	172	279	412	585	814	1135
			-321	-275	-222	-160	-87	0	107	240	413	642	963
110	220.00	5doz	-85	-34	23	91	172	268	386	533	722	975	1328
			-257	-206	-148	-80	0	96	214	361	550	803	1156
120	240.00	5doz	-20	34	97	172	259	364	493	653	860	1135	1521
			-192	-137	-74	0	87	192	321	481	688	963	1349
130	260.00	5doz	43	103	172	252	347	461	600	774	998	1296	1714
			-128	-68	0	80	175	289	428	602	826	1124	1542
140	280.00	5doz	107	172	246	332	434	557	707	894	1135	1457	1907
			-64	0	74	160	262	385	535	722	963	1285	1735
150	300.00	5doz	172	240	320	412	522	653	814	1015	1273	1617	2099
			0	68	148	240	350	481	642	843	1101	1445	1927

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 2008 input prices.

Table 17.A Estimated resource use and costs for field operations, per acre
Sweet potatoes
Mississippi, 2009

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-----			
Trapping	acre			1.00	Apr							1.0000	1.00	1.00	1.00
Spray (Broadcast)	60 ft	MFWD 130	0.028	1.00	Apr	0.53	0.45	0.10	0.14	0.04	0.43				1.65
Glystar Plus	pt											2.0000	3.91	7.82	7.82
Disk Harrow	24 ft	MFWD 170	0.082	2.00	Apr	4.05	3.46	1.35	3.21	0.16	1.80				13.87
Chisel Plow Folding	16 ft	MFWD 170	0.116	1.00	Apr	2.86	2.44	0.52	1.04	0.11	1.27				8.13
Custom Apply Fert	acre			1.00	Apr							1.0000	9.00	9.00	9.00
Fert 5-20-30+S+B	cwt											7.5000	54.10	405.75	405.75
Lorsban 4E	pt											4.0000	4.45	17.80	17.80
Disk Bed (Hipper)	8R 40	MFWD 130	0.070	1.80	May	2.39	2.03	0.51	1.52	0.12	1.38				7.83
Disk Bed + Spray PD	8R 40	MFWD 130	0.070	0.20	May	0.26	0.23	0.09	0.28	0.01	0.15				1.01
K-Pam	gal											1.6000	7.62	12.19	12.19
Spray (Broadcast)	60 ft	MFWD 130	0.028	1.00	May	0.53	0.45	0.10	0.14	0.04	0.43				1.65
Valor SX	oz											2.0000	4.31	8.62	8.62
Trailer-Sweet Potato	16 ft	MFWD 130	0.598	1.00	May	11.28	9.60	3.05	5.83	0.59	6.53				36.29
Sweetpotato Plants	thous											12.0000	25.00	300.00	300.00
Trailer Water	10 ft	MFWD 130	0.600	1.00	May	11.31	9.62	0.29	0.96	0.60	6.55				28.73
Plnt/Transplants	8R 42	MFWD 170	0.333	1.00	May	8.18	6.98	0.08	6.62	5.66	56.97				78.83
Crate Sweetpotato	each											2.0000	8.00	16.00	16.00
Spray (Broadcast)	60 ft	MFWD 130	0.028	1.00	May	0.53	0.45	0.10	0.14	0.04	0.43				1.65
Command 3ME	pt											2.0000	12.93	25.86	25.86
Endosulfan 3E	pt											1.3400	3.40	4.56	4.56
Ditcher		MFWD 130	0.020	1.00	May	0.38	0.32	0.04	0.06	0.02	0.22				1.02
Scouting Sweetpotato	acre			1.00	May							1.0000	15.00	15.00	15.00
Spray (Broadcast)	60 ft	MFWD 130	0.028	1.00	May	0.53	0.45	0.10	0.14	0.04	0.43				1.65
Capture 2EC	oz											3.2000	1.45	4.64	4.64
Cultivate	8R-42	MFWD 130	0.073	1.00	May	1.38	1.18	0.40	1.18	0.07	0.80				4.94
Ditcher		MFWD 130	0.020	1.00	May	0.38	0.32	0.04	0.06	0.02	0.22				1.02
Spray (Broadcast)	60 ft	MFWD 130	0.028	1.00	Jun	0.53	0.45	0.10	0.14	0.04	0.43				1.65
Penncap-M	pt											2.0000	3.55	7.10	7.10
Cultivate	8R-42	MFWD 130	0.073	1.00	Jun	1.38	1.18	0.40	1.18	0.07	0.80				4.94
Ditcher		MFWD 130	0.020	1.00	Jun	0.38	0.32	0.04	0.06	0.02	0.22				1.02
Spray (Broadcast)	60 ft	MFWD 130	0.028	0.50	Jul	0.26	0.23	0.05	0.07	0.02	0.21				0.82
Poast 1.53	pt											0.5000	8.90	4.45	4.45
Spray (Broadcast)	60 ft	MFWD 130	0.028	1.00	Jul	0.53	0.45	0.10	0.14	0.04	0.43				1.65
Capture 2EC	oz											3.2000	1.45	4.64	4.64
Hand Weeding Swt.Pot	acre			1.00	Jul							1.0000	20.00	20.00	20.00
Stalk Shredder-Flail	15 ft	MFWD 130	0.110	1.00	Sep	2.09	1.78	0.36	1.17	0.11	1.21				6.61
Trailer-Sweet Potato	16 ft	MFWD 130	0.598	1.00	Sep	11.28	9.60	3.05	5.83	0.59	6.53				36.29
SWEET POTATO LABOR	hour											1.00	10.00	10.00	10.00
Truck	1/2 ton		2.310	1.00	Sep	9.56	12.76			2.31	25.20				47.52
Truck	1 ton +		1.730	1.00	Sep	4.28	16.56			1.73	18.87				39.71
Harvester, Swt. Potato	2-Row	MFWD 170	1.011	1.00	Sep	24.78	21.16	6.18	10.74	7.07	62.05				124.91
SWEET POTATO LABOR	hour									30.00	300.00				300.00
Bin Repair	each											2.0000	60.00	120.00	120.00
Custom Skid Loader				1.00	Sep										
SKID LOADER LABOR-2	hour									2.18	45.78				45.78
Custom Skid Loader-2	acre											1.0000	13.63	13.63	13.63
Fuel Skid Loader (2)	acre											1.0000	9.64	9.64	9.64
Fork Lift			2.220	1.00	Sep	7.55	8.50			2.22	24.22				40.27
Custom Haul Swt. Pot	acre			1.00	Sep							1.0000	70.00	70.00	70.00
Storage Sweetpotato	cwt			1.00	Sep							112.0000	2.00	224.00	224.00
Clean, grade, pack	box			1.00	Sep							330.0000	2.00	660.00	660.00
Box Sweetpotato	each											330.0000	1.29	425.70	425.70
Broker Sweetpotato	box			1.00	Sep							330.0000	1.00	330.00	330.00
TOTALS						107.21	110.97	17.05	40.65	54.99	573.56			2717.40	3566.84
INTEREST ON OPERATING CAPITAL															39.19
UNALLOCATED LABOR															22.51
TOTAL SPECIFIED COST															3628.54

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.

Table 17.B Estimated costs per acre
Sweet potatoes
Mississippi, 2009

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	9.64	1.0000	9.64	_____
Custom Haul Swt. Pot	acre	70.00	1.0000	70.00	_____
FERTILIZER					
Fert 5-20-30+S+B	cwt	54.10	7.5000	405.75	_____
HERBICIDE					
Glystar Plus	pt	3.91	2.0000	7.82	_____
Valor SX	oz	4.31	2.0000	8.62	_____
Command 3ME	pt	12.93	2.0000	25.86	_____
Poast 1.53	pt	8.90	0.5000	4.45	_____
INSECTICIDE					
Lorsban 4E	pt	4.45	4.0000	17.80	_____
K-Pam	gal	7.62	1.6000	12.19	_____
Endosulfan 3E	pt	3.40	1.3400	4.56	_____
Capture 2EC	oz	1.45	6.4000	9.28	_____
Pennacap-M	pt	3.55	2.0000	7.10	_____
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	60.00	2.0000	120.00	_____
Storage Sweetpotato	cwt	2.00	112.0000	224.00	_____
Clean, grade, pack	box	2.00	330.0000	660.00	_____
Box Sweetpotato	each	1.29	330.0000	425.70	_____
Broker Sweetpotato	box	1.00	330.0000	330.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	4.0664	44.36	_____
Self-Propelled	hour	10.91	6.2600	68.29	_____
HAND LABOR					
Implements	hour	8.41	6.1578	51.80	_____
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	21.00	2.1800	45.78	_____
UNALLOCATED LABOR					
	hour	10.89	2.0652	22.51	_____
DIESEL FUEL					
Tractors	gal	2.46	30.5585	75.16	_____
Self-Propelled	gal	2.46	1.2456	3.06	_____
GASOLINE					
Self-Propelled	gal	2.40	3.1416	7.54	_____
LP GAS					
Self-Propelled	gal	2.64	2.3754	6.27	_____
REPAIR & MAINTENANCE					
Implements	acre	17.05	1.0000	17.05	_____
Tractors	acre	10.66	1.0000	10.66	_____
Self-Propelled	acre	4.52	1.0000	4.52	_____
INTEREST ON OP. CAP.	acre	39.19	1.0000	39.19	_____
TOTAL DIRECT EXPENSES				3476.92	_____
FIXED EXPENSES					
Implements	acre	40.65	1.0000	40.65	_____
Tractors	acre	73.15	1.0000	73.15	_____
Self-Propelled	acre	37.82	1.0000	37.82	_____
TOTAL FIXED EXPENSES				151.62	_____
TOTAL SPECIFIED EXPENSES				3628.54	_____

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.

Table 17.C Estimated monthly income and expense flows per acre
 Sweet potatoes
 Mississippi, 2009

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	93.27	0.00	0.00	0.00	0.00	0.00	0.00
FERTILIZER	405.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	7.82	34.48	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	17.80	21.39	7.10	4.64	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	1759.70	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.17	78.19	1.71	0.73	0.00	511.27	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	6.53	32.49	2.00	0.69	0.00	50.32	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	2.88	9.46	0.83	0.25	0.00	18.81	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	13.64	12.69	0.22	0.47	0.00	12.17	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	468.59	519.70	11.86	31.23	0.00	2445.54	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-468.59	-519.70	-11.86	-31.23	0.00	-2445.54	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-468.59	-988.29	-1000.15	-1031.38	-1031.38	-3476.92	-3476.92	-3476.92	-3476.92	-3476.92	-3476.92	-3476.92

Note: Cost of production estimates are based on 2008 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, 2009

Sweet Potatoes			-----BREAKEVEN PRICE-----										
			8.79	9.26	9.81	10.44	11.19	12.09	13.19	14.56	16.33	18.68	21.98
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	40lb	-1826	-1755	-1674	-1578	-1466	-1331	-1166	-960	-696	-342	151
			-1977	-1907	-1825	-1730	-1618	-1483	-1318	-1112	-847	-494	0
60	180.00	40lb	-1628	-1543	-1445	-1331	-1196	-1035	-837	-590	-272	151	744
			-1780	-1695	-1597	-1483	-1348	-1186	-988	-741	-423	0	593
70	210.00	40lb	-1430	-1331	-1217	-1084	-927	-738	-507	-219	151	646	1338
			-1582	-1483	-1369	-1236	-1078	-890	-659	-370	0	494	1186
80	240.00	40lb	-1232	-1119	-989	-837	-657	-441	-178	151	575	1140	1931
			-1384	-1271	-1141	-988	-809	-593	-329	0	423	988	1780
90	270.00	40lb	-1035	-907	-761	-590	-387	-145	151	522	999	1634	2525
			-1186	-1059	-912	-741	-539	-296	0	370	847	1483	2373
100	300.00	40lb	-837	-696	-533	-342	-118	151	481	893	1423	2129	3118
			-988	-847	-684	-494	-269	0	329	741	1271	1977	2966
110	330.00	40lb	-639	-484	-304	-95	151	448	810	1264	1846	2623	3711
			-791	-635	-456	-247	0	296	659	1112	1695	2472	3560
120	360.00	40lb	-441	-272	-76	151	421	744	1140	1634	2270	3118	4305
			-593	-423	-228	0	269	593	988	1483	2119	2966	4153
130	390.00	40lb	-243	-60	151	398	691	1041	1470	2005	2694	3612	4898
			-395	-211	0	247	539	890	1318	1854	2542	3461	4746
140	420.00	40lb	-46	151	379	646	960	1338	1799	2376	3118	4107	5491
			-197	0	228	494	809	1186	1648	2225	2966	3955	5340
150	450.00	40lb	151	363	608	893	1230	1634	2129	2747	3542	4601	6085
			0	211	456	741	1078	1483	1977	2595	3390	4450	5933

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 2008 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, 2009

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	38.00	12.54	12.54
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Mar	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Cyclone Spin	825 Lb	2WD 75 hp	0.084	1.00	Mar	0.87	0.48	0.06	0.22	0.08	0.92				2.55
Amm Nitrate (34%)	cwt											1.1700	28.00	32.76	32.76
Phosphorus(46% P205)	cwt											2.6000	46.00	119.60	119.60
Potash (60% K20)	cwt											2.0000	44.00	88.00	88.00
Disk + Incorporate	10 Ft	2WD 75 hp	0.206	1.00	Mar	2.14	1.18	1.03	2.03	0.30	3.12				9.50
Diazion AG500	pt											3.0000	5.24	15.72	15.72
Treflan HFP	pt											0.7500	3.33	2.50	2.50
BS,L,T,FumigTomato	6ftctr	2WD 75 hp	1.078	1.00	Mar	11.16	6.18	3.38	11.04	4.31	38.98				70.74
Plastic Mulch	roll											1.8000	162.00	291.60	291.60
Drip Tape	roll											1.2000	156.00	187.20	187.20
Mythl Bromide 67/33	lb											200.0000	4.50	900.00	900.00
Plntr/H2O Tomato	1R 6ftctr	2WD 75 hp	1.718	1.00	Apr	17.78	9.85	2.13	4.01	6.87	62.11				95.88
PLANTING LABOR	hour									30.00	252.30				252.30
Tomato Plants-Hybrid	thous											4.4000	110.36	485.58	485.58
Fert 15-30-15	lb											37.5000	0.18	6.75	6.75
Irrigation				1.00	Apr										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Calcium Nitrate	lbs											30.0000	0.20	6.00	6.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Bravo Weather Stick	pt											4.0000	6.25	25.00	25.00
Asana XL	oz											12.0000	0.72	8.64	8.64
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Calcium Nitrate	lbs											30.0000	0.20	6.00	6.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Guthion 50WSP	lb											3.0000	10.19	30.57	30.57
Quadris	oz											10.0000	2.16	21.60	21.60
Fertigate CAN03/KN03				2.00	Apr										
FERTIGATION LABOR	hour									2.00	16.82				16.82
Calcium Nitrate	lbs											60.0000	0.20	12.00	12.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Quadris	oz											10.0000	2.16	21.60	21.60
Guthion 50WSP	lb											3.0000	10.19	30.57	30.57
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Asana XL	oz											12.0000	0.72	8.64	8.64
Bravo Weather Stick	pt											4.0000	6.25	25.00	25.00
Fertigate CAN03/KN03				1.00	May										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Calcium Nitrate	lbs											30.0000	0.20	6.00	6.00
HAND & STOR LABOR	hour			1.00	May					10.00	84.10				84.10
Wood Stakes	100											44.0000	15.00	660.00	660.00
Plastic string	6000ft											4.0000	11.00	44.00	44.00

(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, 2009 (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-----				
Fertigate CAN03/KN03				3.00	May											
FERTIGATION LABOR	hour										3.00	25.23				25.23
Calcium Nitrate	lbs												90.0000	0.20	18.00	18.00
Sucker Control				1.00	Jun											
HAND LABOR	hour										5.00	42.05				42.05
Fertigate CAN03/KN03				1.00	Jun											
FERTIGATION LABOR	hour										1.00	8.41				8.41
Calcium Nitrate	lbs												30.0000	0.20	6.00	6.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Jun	5.08	2.81	19.00	37.75	0.49	5.36					70.00
Bravo Weather Stick	pt												4.0000	6.25	25.00	25.00
Asana XL	oz												12.0000	0.72	8.64	8.64
Fertigate CAN03/KN03				3.00	Jun											
FERTIGATION LABOR	hour										3.00	25.23				25.23
Calcium Nitrate	lbs												90.0000	0.20	18.00	18.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jul	2.54	1.41	9.50	18.87	0.24	2.68					35.00
Asana XL	oz												6.0000	0.72	4.32	4.32
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	1.00	Jul	0.93	0.52	0.03	0.05	0.18	1.74					3.27
CustomHarvest Tomato	box			1.00	Jul								1600.0000	1.00	1600.00	1600.00
5-Gal Bucket	each												200.0000	3.00	600.00	600.00
GRADE & PACK LABOR	hour			1.00	Jul						320.00	2691.20				2691.20
Box Tomato	box												1600.0000	1.54	2464.00	2464.00
Mulch Lifter	1 Row	2WD 75 hp	0.589	1.00	Jul	6.10	3.38	0.12	2.60	0.58	6.43					18.63
LABOR MULCH CLEANUP	hour										15.00	126.15				126.15
Irrigation Setup	acre				Apr									1.0000		459.70
TOTALS						73.31	40.58	113.03	231.57	407.66	3446.23				8241.89	12606.31
INTEREST ON OPERATING CAPITAL																127.19
UNALLOCATED LABOR																15.46
TOTAL SPECIFIED COST																12748.96

Note: Cost of production estimates are based on 2008 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, 2009

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	38.00	0.3300	12.54	_____
Amm Nitrate (34%)	cwt	28.00	1.1700	32.76	_____
Phosphorus(46% P205)	cwt	46.00	2.6000	119.60	_____
Potash (60% K20)	cwt	44.00	2.0000	88.00	_____
Fert 15-30-15	lb	0.18	37.5000	6.75	_____
Calcium Nitrate	lbs	0.20	360.0000	72.00	_____
FUNGICIDE					
Bravo Weather Stick	pt	6.25	12.0000	75.00	_____
Quadris	oz	2.16	20.0000	43.20	_____
HERBICIDE					
Treflan HFP	pt	3.33	0.7500	2.50	_____
INSECTICIDE					
Diazion AG500	pt	5.24	3.0000	15.72	_____
Asana XL	oz	0.72	42.0000	30.24	_____
Guthion 50WSP	lb	10.19	6.0000	61.14	_____
SEED/PLANTS					
Tomato Plants-Hybrid	thous	110.36	4.4000	485.58	_____
OTHER					
Plastic Mulch	roll	162.00	1.8000	291.60	_____
Mythl Bromide 67/33	lb	4.50	200.0000	900.00	_____
Wood Stakes	100	15.00	44.0000	660.00	_____
Plastic string	6000ft	11.00	4.0000	44.00	_____
5-Gal Bucket	each	3.00	200.0000	600.00	_____
Box Tomato	box	1.54	1600.0000	2464.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	1.2000	187.20	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	10.91	7.0847	77.31	_____
PLANTING LABOR					
Special Labor	hour	8.41	30.0000	252.30	_____
GRADE & PACK LABOR					
Special Labor	hour	8.41	320.0000	2691.20	_____
HAND & STOR LABOR					
Special Labor	hour	8.41	10.0000	84.10	_____
HAND LABOR					
Special Labor	hour	8.41	5.0000	42.05	_____
Implements	hour	8.41	8.5846	72.20	_____
FERTIGATION LABOR					
Special Labor	hour	8.41	12.0000	100.92	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.41	15.0000	126.15	_____
UNALLOCATED LABOR	hour	10.91	1.4169	15.46	_____
DIESEL FUEL					
Tractors	gal	2.46	27.3500	67.26	_____
REPAIR & MAINTENANCE					
Implements	acre	113.03	1.0000	113.03	_____
Tractors	acre	6.05	1.0000	6.05	_____
INTEREST ON OP. CAP.	acre	127.19	1.0000	127.19	_____
TOTAL DIRECT EXPENSES				12017.11	_____
FIXED EXPENSES					
Implements	acre	231.57	1.0000	231.57	_____
Tractors	acre	40.58	1.0000	40.58	_____
Irrigation Setup	acre	459.70	1.0000	459.70	_____
TOTAL FIXED EXPENSES				731.85	_____
TOTAL SPECIFIED EXPENSES				12748.96	_____

Note: Cost of production estimates are based on 2008 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, 2009

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	12.54	240.36	30.75	24.00	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	46.60	46.60	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	15.72	39.21	39.21	8.64	4.32	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	485.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	1191.60	0.00	704.00	0.00	3064.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	187.20	450.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.88	51.20	364.66	130.60	82.12	2830.23	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	2.09	16.77	25.64	9.32	4.66	8.78	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.75	7.20	42.43	38.84	19.42	10.44	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.55	42.81	29.70	14.90	1.64	37.59	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	18.81	1755.36	1514.63	1007.47	165.48	7555.36	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-18.81	-1755.36	-1514.63	-1007.47	-165.48	-7555.36	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-18.81	-1774.17	-3288.80	-4296.27	-4461.75	-12017.11	-12017.11	-12017.11	-12017.11	-12017.11	-12017.11	-12017.11

Note: Cost of production estimates are based on 2008 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, 2009

Tomatoes			-----BREAKEVEN PRICE-----										
			6.16	6.42	6.71	7.06	7.47	7.96	8.56	9.32	10.28	11.57	13.38
PERCENT	YIELD	UNIT	-----dollars-----										
50	800.00	251b	-5044	-4838	-4600	-4322	-3994	-3600	-3119	-2517	-1743	-712	731
			-5776	-5570	-5332	-5054	-4726	-4332	-3850	-3249	-2475	-1444	0
60	960.00	251b	-4466	-4219	-3933	-3600	-3206	-2734	-2156	-1434	-505	731	2464
			-5198	-4951	-4665	-4332	-3938	-3465	-2888	-2166	-1237	0	1732
70	1120.00	251b	-3889	-3600	-3267	-2878	-2418	-1867	-1193	-351	731	2175	4197
			-4621	-4332	-3999	-3610	-3150	-2599	-1925	-1083	0	1444	3465
80	1280.00	251b	-3311	-2981	-2600	-2156	-1631	-1001	-230	731	1969	3620	5930
			-4043	-3713	-3332	-2888	-2363	-1732	-962	0	1237	2888	5198
90	1440.00	251b	-2734	-2362	-1934	-1434	-843	-134	731	1814	3207	5064	7663
			-3465	-3094	-2666	-2166	-1575	-866	0	1083	2475	4332	6931
100	1600.00	251b	-2156	-1743	-1267	-712	-55	731	1694	2898	4445	6508	9396
			-2888	-2475	-1999	-1444	-787	0	962	2166	3713	5776	8664
110	1760.00	251b	-1578	-1124	-601	9	731	1598	2657	3981	5683	7952	11129
			-2310	-1856	-1333	-722	0	866	1925	3249	4951	7220	10397
120	1920.00	251b	-1001	-505	65	731	1519	2464	3620	5064	6920	9396	12862
			-1732	-1237	-666	0	787	1732	2888	4332	6189	8664	12130
130	2080.00	251b	-423	112	731	1453	2307	3331	4582	6147	8158	10840	14595
			-1155	-618	0	722	1575	2599	3850	5415	7426	10108	13863
140	2240.00	251b	154	731	1398	2175	3094	4197	5545	7230	9396	12284	16328
			-577	0	666	1444	2363	3465	4813	6498	8664	11552	15596
150	2400.00	251b	731	1350	2064	2898	3882	5064	6508	8313	10634	13728	18061
			0	618	1333	2166	3150	4332	5776	7581	9902	12996	17329

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 2008 input prices.

Table 19.A Estimated resource use and costs for field operations, per acre
 Watermelons, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Jan							1.5000	38.00	57.00	57.00
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Feb	2.05	1.14	0.61	1.45	0.19	2.16				7.41
BS.lay/tape/Melon	8ftctr	2WD 75 hp	0.808	1.00	Mar	8.37	4.63	2.21	7.21	0.80	8.82				31.24
Plastic Mulch	roll											1.4000	162.00	226.80	226.80
Drip Tape	roll											0.9000	156.00	140.40	140.40
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Mar	0.65	0.36	0.16	0.22	0.09	0.94				2.33
Strategy	pt											2.0000	10.25	20.50	20.50
Plntr/H2O Melon	1R 8ftctr	2WD 75 hp	0.645	1.00	Mar	6.68	3.70	1.07	2.02	2.58	23.32				36.79
Watermelon - Hybrid	thous											1.8000	82.72	148.90	148.90
Irrigation				1.00	Mar										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Fertigate CAN03/KN03				1.00	Mar										
FERTIGATION LABOR	hour									1.00	8.41				8.41
CalciumNitrateMelon	lb											89.0000	0.20	17.80	17.80
Potash (60% K20)	cwt											0.5000	44.00	22.00	22.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Endosulfan 3E	pt											2.6600	3.40	9.04	9.04
Fertigate CAN03/KN03				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.41				8.41
CalciumNitrateMelon	lb											89.0000	0.20	17.80	17.80
Potash (60% K20)	cwt											0.5000	44.00	22.00	22.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Endosulfan 3E	pt											2.6600	3.40	9.04	9.04
Fertigate CAN03/KN03				4.00	Apr										
FERTIGATION LABOR	hour									4.00	33.64				33.64
CalciumNitrateMelon	lb											356.0000	0.20	71.20	71.20
Potash (60% K20)	cwt											2.0000	44.00	88.00	88.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Bravo Weather Stick	pt											4.0000	6.25	25.00	25.00
Quadris	oz											22.0000	2.16	47.52	47.52
Fertigate CAN03/KN03				1.00	May										
FERTIGATION LABOR	hour									1.00	8.41				8.41
CalciumNitrateMelon	lb											89.0000	0.20	17.80	17.80
Potash (60% K20)	cwt											0.5000	44.00	22.00	22.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Bravo Weather Stick	pt											2.0000	6.25	12.50	12.50
Fertigate CAN03/KN03				2.00	May										
FERTIGATION LABOR	hour									2.00	16.82				16.82
CalciumNitrateMelon	lb											178.0000	0.20	35.60	35.60
Potash (60% K20)	cwt											1.0000	44.00	44.00	44.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jun	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Asana XL	oz											6.0000	0.72	4.32	4.32

(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, 2009(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 ft	2WD 75 hp	0.090	4.00	Jun	3.73	2.06	0.11	0.21	0.72	6.96					13.07
Harvest Labor Melons	cwt			1.00	Jun							200.0000	2.00	400.00		400.00
Pallet Crates-1000lb each												20.0000	12.00	240.00		240.00
Plastic Clean Up				1.00	Jun											
Mulch Lifter	1 Row	2WD 75 hp	0.589			6.10	3.38	0.12	2.60	0.58	6.43					18.63
LABOR MULCH CLEANUP	hour									15.00	126.15					126.15
Irrigation Setup	acre				Mar								1.0000			451.69
TOTALS						45.10	24.98	61.84	128.04	30.68	268.95			2149.28		3129.88
INTEREST ON OPERATING CAPITAL																34.99
UNALLOCATED LABOR																9.53
TOTAL SPECIFIED COST																3174.40

Note: Cost of production estimates are based on 2008 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, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	1.5000	57.00	_____
CalciumNitrateMelon	lb	0.20	801.0000	160.20	_____
Potash (60% K20)	cwt	44.00	4.5000	198.00	_____
FUNGICIDE					
Bravo Weather Stick	pt	6.25	6.0000	37.50	_____
Quadris	oz	2.16	22.0000	47.52	_____
HERBICIDE					
Strategy	pt	10.25	2.0000	20.50	_____
INSECTICIDE					
Endosulfan 3E	pt	3.40	5.3200	18.09	_____
Asana XL	oz	0.72	6.0000	4.32	_____
SEED/PLANTS					
Watermelon - Hybrid	thous	82.72	1.8000	148.90	_____
OTHER					
Plastic Mulch	roll	162.00	1.4000	226.80	_____
Harvest Labor Melons	cwt	2.00	200.0000	400.00	_____
Pallet Crates-1000lb	each	12.00	20.0000	240.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	0.9000	140.40	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	10.91	4.3578	47.54	_____
HAND LABOR					
Implements	hour	8.41	2.3268	19.57	_____
FERTIGATION LABOR					
Special Labor	hour	8.41	9.0000	75.69	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.41	15.0000	126.15	_____
UNALLOCATED LABOR	hour	10.93	0.8715	9.53	_____
DIESEL FUEL					
Tractors	gal	2.46	16.8230	41.38	_____
REPAIR & MAINTENANCE					
Implements	acre	61.84	1.0000	61.84	_____
Tractors	acre	3.72	1.0000	3.72	_____
INTEREST ON OP. CAP.	acre	34.99	1.0000	34.99	_____
TOTAL DIRECT EXPENSES				2569.69	_____
FIXED EXPENSES					
Implements	acre	128.04	1.0000	128.04	_____
Tractors	acre	24.98	1.0000	24.98	_____
Irrigation Setup	acre	451.69	1.0000	451.69	_____
TOTAL FIXED EXPENSES				604.71	_____
TOTAL SPECIFIED EXPENSES				3174.40	_____

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.
 Irrigation implies 6 acre inches applied as needed over the production period for both fertigation and water needs.

Table 19.C Estimated monthly income and expense flows per acre
 Watermelons, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009

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	57.00	0.00	39.80	199.00	119.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	85.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HERBICIDE	0.00	0.00	20.50	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	18.08	0.00	4.32	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	148.90	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	640.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	590.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	5.47	44.80	48.49	34.88	144.84	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	3.97	14.41	4.66	6.99	11.35	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.53	4.73	19.42	29.13	10.75	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.71	0.27	21.82	4.36	2.77	4.06	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	58.71	11.24	1112.22	294.01	278.19	815.32	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-58.71	-11.24	-1112.22	-294.01	-278.19	-815.32	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-58.71	-69.95	-1182.17	-1476.18	-1754.37	-2569.69	-2569.69	-2569.69	-2569.69	-2569.69	-2569.69	-2569.69

Note: Cost of production estimates are based on 2008 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, 2009

			-----BREAKEVEN PRICE-----										
Watermelons			11.25	11.91	12.67	13.56	14.61	15.87	17.41	19.33	21.81	25.11	29.73
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	cwt	-1243	-1177	-1101	-1012	-907	-781	-627	-434	-187	142	604
			-1848	-1782	-1706	-1617	-1512	-1386	-1232	-1039	-792	-462	0
60	120.00	cwt	-1058	-979	-888	-781	-655	-504	-319	-88	208	604	1159
			-1663	-1584	-1492	-1386	-1260	-1108	-924	-693	-396	0	554
70	140.00	cwt	-873	-781	-674	-550	-403	-227	-11	258	604	1066	1713
			-1478	-1386	-1279	-1155	-1008	-831	-616	-346	0	462	1108
80	160.00	cwt	-689	-583	-461	-319	-151	50	296	604	1000	1528	2268
			-1293	-1188	-1066	-924	-756	-554	-308	0	396	924	1663
90	180.00	cwt	-504	-385	-248	-88	100	327	604	951	1396	1990	2822
			-1108	-990	-853	-693	-504	-277	0	346	792	1386	2217
100	200.00	cwt	-319	-187	-35	142	352	604	912	1297	1792	2452	3377
			-924	-792	-639	-462	-252	0	308	693	1188	1848	2772
110	220.00	cwt	-134	10	178	373	604	881	1220	1644	2188	2915	3931
			-739	-594	-426	-231	0	277	616	1039	1584	2310	3326
120	240.00	cwt	50	208	391	604	856	1159	1528	1990	2584	3377	4486
			-554	-396	-213	0	252	554	924	1386	1980	2772	3881
130	260.00	cwt	235	406	604	835	1108	1436	1836	2337	2981	3839	5040
			-369	-198	0	231	504	831	1232	1732	2376	3234	4435
140	280.00	cwt	419	604	817	1066	1360	1713	2144	2684	3377	4301	5595
			-184	0	213	462	756	1108	1540	2079	2772	3696	4990
150	300.00	cwt	604	802	1031	1297	1612	1990	2452	3030	3773	4763	6149
			0	198	426	693	1008	1386	1848	2425	3168	4158	5544

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 2008 input prices.

Table 20.A Estimated resource use and costs for field operations, per acre
 Organic - Bell pepper, fresh market (wholesale), irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2009

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.3300	38.00	12.54	12.54
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Sep	2.05	1.14	0.61	1.45	0.19	2.16				7.41
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Oct	2.05	1.14	0.61	1.45	0.19	2.16				7.41
Manure Spreader	50bu	2WD 75 hp	1.000	1.00	Oct	10.35	5.73	0.11	1.48	1.00	10.91				28.58
Chicken Litter	ton											2.0000	9.33	18.66	18.66
Disk Bed	2 Row	2WD 75 hp	0.284	2.00	Oct	5.88	3.25	0.38	1.65	0.56	6.20				17.36
BS Lay/Tape BPepper	6ftctr	2WD 75 hp	1.078	1.00	Oct	11.16	6.18	2.18	7.13	1.07	11.77				38.42
Plastic Mulch	roll											1.8000	162.00	291.60	291.60
Drip Tape	roll											1.2000	156.00	187.20	187.20
Cultivate	2 Row	2WD 75 hp	0.390	0.50	Nov	2.02	1.12	0.20	1.09	0.19	2.13				6.56
Cultivate	2 Row	2WD 75 hp	0.390	1.00	Mar	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Trailer Utility	10 ft	2WD 75 hp	0.600	1.00	Mar	6.21	3.44	0.10	0.38	0.60	6.55				16.68
Pepper Plts -Organic	100plt											170.0000	2.85	484.50	484.50
Contract Plt BPepper	1000pl											17.0000	13.75	233.75	233.75
Irrigation				1.00	Mar										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Fertigation				2.00	Mar										
FERTIGATION LABOR	hour									5.00	42.05				42.05
Liquid Fish Fert.	gal											38.0000	15.61	593.18	593.18
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Dipel ES	pt											1.0000	4.26	4.26	4.26
Kocide DF	lb											2.0000	3.42	6.84	6.84
Neem Oil	pt											1.0000	5.27	5.27	5.27
Fertigation				2.00	Apr										
FERTIGATION LABOR	hour									5.00	42.05				42.05
Liquid Fish Fert.	gal											38.0000	15.61	593.18	593.18
Trailer Utility	10 ft	2WD 75 hp	0.600	1.00	Apr	6.21	3.44	0.10	0.38	0.60	6.55				16.68
HAND LABOR	hour									15.00	126.15				126.15
Wood Stakes	100											36.0000	15.00	540.00	540.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Neem Oil	pt											1.0000	5.27	5.27	5.27
Kocide DF	lb											2.0000	3.42	6.84	6.84
Fertigation				2.00	Apr										
FERTIGATION LABOR	hour									5.00	42.05				42.05
Liquid Fish Fert.	gal											38.0000	15.61	593.18	593.18
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Neem Oil	pt											1.0000	5.27	5.27	5.27
Kocide DF	lb											2.0000	3.42	6.84	6.84
Cultivate	2 Row	2WD 75 hp	0.390	1.00	May	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Fertigation				2.00	May										
FERTIGATION LABOR	hour									5.00	42.05				42.05
Liquid Fish Fert.	gal											38.0000	15.61	593.18	593.18

(continued)

Table 20.A Estimated resource use and costs for field operations, per acre
 Organic - Bell pepper, fresh market (wholesale), irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2009 (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-----				
1st Tying DB String				1.00	May											
HAND LABOR	hour										8.00	67.28				67.28
Plastic string	6000ft												7.0000	11.00	77.00	77.00
Fertigation				2.00	May											
FERTIGATION LABOR	hour										5.00	42.05				42.05
Liquid Fish Fert.	gal												38.0000	15.61	593.18	593.18
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68					35.00
Azatin EC	oz												14.0000	5.21	72.94	72.94
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68					35.00
Pyrethrins	oz												16.0000	3.12	49.92	49.92
2nd Tying DB String				1.00	Jun											
HAND LABOR	hour										5.00	42.05				42.05
Plastic string	6000ft												5.0000	11.00	55.00	55.00
Cultivate	2 Row	2WD 75 hp	0.390	1.00	Jun	4.04	2.24	0.41	2.18	0.39	4.26					13.13
Trailer Utility	10 ft	2WD 75 hp	0.600	1.00	Jun	6.21	3.44	0.10	0.38	0.60	6.55					16.68
HAND LABOR	hour										8.00	67.28				67.28
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	672.80				672.80
Boxes-Waxed	each												1800.0000	1.33	2394.00	2394.00
Rotary Cutter	7 ft	2WD 75 hp	0.169	1.00	Jul	1.75	0.97	0.51	0.40	0.16	1.85					5.48
Take Up Reel (Mulch)	1 Row	2WD 75 hp	0.588	1.00	Jul	6.09	3.37	0.42	1.82	0.58	6.42					18.12
HAND LABOR	hour										12.00	100.92				100.92
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Jul	2.05	1.14	0.61	1.45	0.19	2.16					7.41
S. Peas - Organic	lb												33.0000	33.00	1089.00	1089.00
Irrigation Setup	acre				Mar								1.0000			459.70
TOTALS							86.85	48.13	54.66	119.95	161.39	1378.32			11047.66	13195.27
INTEREST ON OPERATING CAPITAL																199.00
UNALLOCATED LABOR																18.32
TOTAL SPECIFIED COST																13412.59

Note: Cost of production estimates are based on 2008 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.

Make sure all inputs are allowed by your licensing agency.

Table 20.B Estimated costs per acre
 Organic - Bell pepper, fresh market (wholesale), irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2009

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	38.00	0.3300	12.54	_____
Chicken Litter	ton	9.33	2.0000	18.66	_____
Liquid Fish Fert.	gal	15.61	190.0000	2965.90	_____
FUNGICIDE					
Kocide DF	lb	3.42	6.0000	20.52	_____
Neem Oil	pt	5.27	3.0000	15.81	_____
INSECTICIDE					
Dipel ES	pt	4.26	1.0000	4.26	_____
Azatin EC	oz	5.21	14.0000	72.94	_____
Pyrethrins	oz	3.12	16.0000	49.92	_____
SEED/PLANTS					
Pepper Plts -Organic	100plt	2.85	170.0000	484.50	_____
S. Peas - Organic	lb	33.00	33.0000	1089.00	_____
OTHER					
Plastic Mulch	roll	162.00	1.8000	291.60	_____
Wood Stakes	100	15.00	36.0000	540.00	_____
Plastic string	6000ft	11.00	12.0000	132.00	_____
Harvest Labor Pepper	bu	0.70	1800.0000	1260.00	_____
15g tub Bell Pepper	each	7.50	30.0000	225.00	_____
Bin Vegetable	each	75.00	8.0000	600.00	_____
Boxes-Waxed	each	1.33	1800.0000	2394.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	1.2000	187.20	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	10.91	8.3940	91.59	_____
GRADE & PACK LABOR					
Special Labor	hour	8.41	80.0000	672.80	_____
HAND LABOR					
Special Labor	hour	8.41	48.0000	403.68	_____
FERTIGATION LABOR					
Special Labor	hour	8.41	25.0000	210.25	_____
UNALLOCATED LABOR	hour	10.91	1.6788	18.32	_____
DIESEL FUEL					
Tractors	gal	2.46	32.4042	79.71	_____
REPAIR & MAINTENANCE					
Implements	acre	54.66	1.0000	54.66	_____
Tractors	acre	7.14	1.0000	7.14	_____
INTEREST ON OP. CAP.	acre	199.00	1.0000	199.00	_____
TOTAL DIRECT EXPENSES				12784.81	_____
FIXED EXPENSES					
Implements	acre	119.95	1.0000	119.95	_____
Tractors	acre	48.13	1.0000	48.13	_____
Irrigation Setup	acre	459.70	1.0000	459.70	_____
TOTAL FIXED EXPENSES				627.78	_____
TOTAL SPECIFIED EXPENSES				13412.59	_____

Note: Cost of production estimates are based on 2008 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.
 Make sure all inputs are allowed by your licensing agency.

Table 20.C Estimated monthly income and expense flows per acre
 Organic - Bell pepper, fresh market (wholesale), irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2009

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	12.54	18.66	0.00	0.00	0.00	0.00	593.18	1186.36	1186.36	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.22	12.11	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.26	122.86	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	484.50	0.00	0.00	0.00	1089.00	0.00
OTHER	0.00	291.60	0.00	0.00	0.00	0.00	0.00	540.00	77.00	4534.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	187.20	0.00	0.00	0.00	0.00	450.06	0.00	0.00	0.00	0.00	0.00
LABOR	2.59	37.24	2.56	0.00	0.00	0.00	55.02	224.55	166.15	795.10	113.43	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.88	27.02	1.85	0.00	0.00	0.00	9.41	10.36	10.70	9.41	9.08	0.00
REPAIR & MAINTENANCE	0.78	5.70	0.37	0.00	0.00	0.00	1.35	20.03	29.87	1.35	2.35	0.00
INTEREST ON OP. CAP.	0.98	28.37	0.22	0.00	0.00	0.00	45.67	40.21	24.08	53.40	6.07	0.00
TOTAL DIRECT EXPENSES	18.77	595.79	5.00	0.00	0.00	0.00	1872.94	2049.99	1629.13	5393.26	1219.93	0.00
NET INCOME	-18.77	-595.79	-5.00	0.00	0.00	0.00	-1872.94	-2049.99	-1629.13	-5393.26	-1219.93	0.00
NET INCOME TO DATE	-18.77	-614.56	-619.56	-619.56	-619.56	-619.56	-2492.50	-4542.49	-6171.62	-11564.88	-12784.81	-12784.81

Note: Cost of production estimates are based on 2008 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.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 20.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Bell pepper, fresh market (wholesale), irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2009

			-----BREAKEVEN PRICE-----										
Bell Pepper			5.41	5.70	6.04	6.43	6.89	7.45	8.13	8.97	10.06	11.52	13.55
PERCENT	YIELD	UNIT	-----dollars-----										
50	900.00	Bu	-6701	-6440	-6138	-5785	-5369	-4869	-4258	-3495	-2513	-1204	627
			-7329	-7067	-6765	-6413	-5997	-5497	-4886	-4122	-3141	-1832	0
60	1080.00	Bu	-5969	-5654	-5292	-4869	-4369	-3770	-3037	-2120	-942	627	2826
			-6596	-6282	-5920	-5497	-4997	-4397	-3664	-2748	-1570	0	2198
70	1260.00	Bu	-5236	-4869	-4446	-3953	-3370	-2670	-1815	-746	627	2460	5025
			-5863	-5497	-5074	-4581	-3998	-3298	-2443	-1374	0	1832	4397
80	1440.00	Bu	-4503	-4084	-3600	-3037	-2370	-1571	-593	627	2198	4292	7224
			-5130	-4711	-4228	-3664	-2998	-2198	-1221	0	1570	3664	6596
90	1620.00	Bu	-3770	-3298	-2755	-2120	-1371	-471	627	2002	3769	6125	9423
			-4397	-3926	-3382	-2748	-1999	-1099	0	1374	3141	5497	8795
100	1800.00	Bu	-3037	-2513	-1909	-1204	-371	627	1849	3376	5339	7957	11622
			-3664	-3141	-2537	-1832	-999	0	1221	2748	4711	7329	10994
110	1980.00	Bu	-2304	-1728	-1063	-288	627	1727	3071	4750	6910	9789	13821
			-2931	-2355	-1691	-916	0	1099	2443	4122	6282	9162	13193
120	2160.00	Bu	-1571	-942	-217	627	1627	2826	4292	6125	8481	11622	16020
			-2198	-1570	-845	0	999	2198	3664	5497	7853	10994	15392
130	2340.00	Bu	-838	-157	627	1544	2626	3926	5514	7499	10051	13454	18219
			-1465	-785	0	916	1999	3298	4886	6871	9423	12827	17591
140	2520.00	Bu	-105	627	1473	2460	3626	5025	6735	8873	11622	15287	20418
			-732	0	845	1832	2998	4397	6108	8245	10994	14659	19790
150	2700.00	Bu	627	1413	2319	3376	4625	6125	7957	10248	13193	17119	22617
			0	785	1691	2748	3998	5497	7329	9620	12565	16491	21989

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 2008 input prices.

Table 21.A Estimated resource use and costs for field operations, per acre
Organic - Broccoli - fall, fresh market
Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Aug	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Aug	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Manure Spreader	50bu	2WD 75 hp	1.000	1.00	Aug	10.35	5.73	0.11	1.48	1.00	10.91				28.58
Chicken Litter	ton											1.0000	9.33	9.33	9.33
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Aug	2.05	1.14	0.61	1.45	0.19	2.16				7.41
Plntr/H2O Wheel	2 Row	2WD 75 hp	1.473	1.00	Aug	15.24	8.44	4.79	9.01	8.83	78.02				115.50
PLANTING LABOR	hour									30.00	252.30				252.30
Broccoli - Organic	thous											18.0000	43.50	783.00	783.00
Cultivate	2 Row	2WD 75 hp	0.390	1.00	Aug	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Aug	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Neem Oil	pt											1.0000	5.27	5.27	5.27
Pyrethrins	oz											16.0000	3.12	49.92	49.92
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Neem Oil	pt											1.0000	5.27	5.27	5.27
Dipel ES	pt											1.0000	4.26	4.26	4.26
Cultivator - Rolling	2 Row	2WD 75 hp	0.310	1.00	Sep	3.21	1.78	0.70	3.76	0.31	3.39				12.84
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Pyrethrins	oz											16.0000	3.12	49.92	49.92
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	4.00	Sep	10.16	5.63	37.99	75.49	0.98	10.72				139.99
Neem Oil	pt											4.0000	5.27	21.08	21.08
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Oct	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Dipel ES	pt											1.0000	4.26	4.26	4.26
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	1.00	Nov	0.93	0.52	0.03	0.05	0.18	1.74				3.27
HARVEST & PACK LABOR	hour			1.00	Nov					125.00	1051.25				1051.25
Boxes-Waxed	each											300.0000	1.33	399.00	399.00
Ice + Cooling	box											300.0000	0.75	225.00	225.00
TOTALS						62.53	34.65	84.42	172.90	168.50	1432.20			1575.12	3361.82
INTEREST ON OPERATING CAPITAL															37.20
UNALLOCATED LABOR															13.20
TOTAL SPECIFIED COST															3412.22

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 21.B Estimated costs per acre
 Organic - Broccoli - fall, fresh market
 Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Chicken Litter	ton	9.33	1.0000	9.33	_____
FUNGICIDE					
Neem Oil	pt	5.27	6.0000	31.62	_____
INSECTICIDE					
Pyrethrins	oz	3.12	32.0000	99.84	_____
Dipel ES	pt	4.26	2.0000	8.52	_____
SEED/PLANTS					
Broccoli - Organic	thous	43.50	18.0000	783.00	_____
OTHER					
Boxes-Waxed	each	1.33	300.0000	399.00	_____
Ice + Cooling	box	0.75	300.0000	225.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	6.0440	65.94	_____
PLANTING LABOR					
Special Labor	hour	8.41	30.0000	252.30	_____
HAND LABOR					
Implements	hour	8.41	7.4560	62.71	_____
HARVEST & PACK LABOR					
Special Labor	hour	8.41	125.0000	1051.25	_____
UNALLOCATED LABOR	hour	10.91	1.2088	13.20	_____
DIESEL FUEL					
Tractors	gal	2.46	23.3324	57.39	_____
REPAIR & MAINTENANCE					
Implements	acre	84.42	1.0000	84.42	_____
Tractors	acre	5.14	1.0000	5.14	_____
INTEREST ON OP. CAP.	acre	37.20	1.0000	37.20	_____
TOTAL DIRECT EXPENSES				3204.67	_____
FIXED EXPENSES					
Implements	acre	172.90	1.0000	172.90	_____
Tractors	acre	34.65	1.0000	34.65	_____
TOTAL FIXED EXPENSES				207.55	_____
TOTAL SPECIFIED EXPENSES				3412.22	_____

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 21.C Estimated monthly income and expense flows per acre
 Organic - Broccoli - fall, fresh market
 Mississippi, 2009

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	18.81	9.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	5.27	26.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	49.92	54.18	4.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	783.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	624.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	365.62	23.37	3.22	1053.19	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	37.27	16.94	2.33	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	20.54	59.20	9.71	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.47	25.44	2.71	0.19	8.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	19.28	1296.39	182.75	19.71	1686.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-19.28	-1296.39	-182.75	-19.71	-1686.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-19.28	-1315.67	-1498.42	-1518.13	-3204.67	-3204.67	-3204.67	-3204.67	-3204.67	-3204.67	-3204.67	-3204.67

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 21.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Broccoli - fall, fresh market
 Mississippi, 2009

Broccoli			-----BREAKEVEN PRICE-----										
			8.02	8.50	9.05	9.70	10.46	11.37	12.48	13.88	15.67	18.06	21.41
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	211b	-1799	-1728	-1645	-1549	-1434	-1298	-1130	-921	-652	-294	207
			-2007	-1935	-1853	-1756	-1642	-1505	-1338	-1129	-860	-501	0
60	180.00	211b	-1599	-1513	-1413	-1298	-1161	-996	-796	-545	-222	207	809
			-1806	-1720	-1621	-1505	-1368	-1204	-1003	-752	-430	0	602
70	210.00	211b	-1398	-1298	-1182	-1047	-887	-695	-461	-168	207	709	1412
			-1605	-1505	-1389	-1254	-1094	-903	-669	-376	0	501	1204
80	240.00	211b	-1197	-1082	-950	-796	-613	-394	-127	207	637	1211	2014
			-1405	-1290	-1158	-1003	-821	-602	-334	0	430	1003	1806
90	270.00	211b	-996	-867	-718	-545	-339	-93	207	583	1067	1713	2616
			-1204	-1075	-926	-752	-547	-301	0	376	860	1505	2408
100	300.00	211b	-796	-652	-487	-294	-66	207	542	960	1498	2215	3218
			-1003	-860	-694	-501	-273	0	334	752	1290	2007	3011
110	330.00	211b	-595	-437	-255	-43	207	508	876	1336	1928	2716	3821
			-802	-645	-463	-250	0	301	669	1129	1720	2509	3613
120	360.00	211b	-394	-222	-24	207	481	809	1211	1713	2358	3218	4423
			-602	-430	-231	0	273	602	1003	1505	2150	3011	4215
130	390.00	211b	-193	-7	207	458	755	1110	1545	2089	2788	3720	5025
			-401	-215	0	250	547	903	1338	1882	2581	3513	4817
140	420.00	211b	6	207	439	709	1028	1412	1880	2465	3218	4222	5627
			-200	0	231	501	821	1204	1672	2258	3011	4014	5420
150	450.00	211b	207	422	670	960	1302	1713	2215	2842	3648	4724	6230
			0	215	463	752	1094	1505	2007	2634	3441	4516	6022

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 2008 input prices.

Table 22.A Estimated resource use and costs for field operations, per acre
Organic - Cabbage - spring, hand harvest
Mississippi, 2009

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	38.00	18.81	18.81
Manure Spreader	50bu	2WD 75 hp	1.000	1.00	Feb	10.35	5.73	0.11	1.48	1.00	10.91				28.58
Chicken Litter	ton											2.0000	9.33	18.66	18.66
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Feb	2.05	1.14	0.61	1.45	0.19	2.16				7.41
Disk Bed	2 Row	2WD 75 hp	0.284	1.00	Feb	2.94	1.63	0.19	0.83	0.28	3.10				8.69
Cultivate	2 Row	2WD 75 hp	0.390	1.00	Feb	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Plntr/H2O Wheel	2 Row	2WD 75 hp	1.473	1.00	Feb	15.24	8.44	4.79	9.01	8.83	78.02				115.50
PLANTING LABOR	hour									30.00	252.30				252.30
Cabbage - Organic	thous											13.2000	43.50	574.20	574.20
Cultivate	2 Row	2WD 75 hp	0.390	3.00	Mar	12.12	6.71	1.22	6.54	1.17	12.79				39.38
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	5.00	Mar	12.70	7.03	47.49	94.37	1.22	13.39				174.98
Neem Oil	pt											5.0000	5.27	26.35	26.35
Cultivate	2 Row	2WD 75 hp	0.390	1.00	Mar	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Dipel ES	pt											1.0000	4.26	4.26	4.26
Cultivator - Rolling	2 Row	2WD 75 hp	0.310	1.00	Apr	3.21	1.78	0.70	3.76	0.31	3.39				12.84
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Dipel ES	pt											1.0000	4.26	4.26	4.26
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Azatin EC	oz											14.0000	5.21	72.94	72.94
Dipel ES	pt											1.0000	4.26	4.26	4.26
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Azatin EC	oz											14.0000	5.21	72.94	72.94
Dipel ES	pt											1.0000	4.26	4.26	4.26
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	1.00	Jun	0.93	0.52	0.03	0.05	0.18	1.74				3.27
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	2.20	1320.00	1320.00
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						80.06	44.36	94.52	198.43	45.19	399.44			4520.94	5337.75
INTEREST ON OPERATING CAPITAL															49.37
UNALLOCATED LABOR															16.90
TOTAL SPECIFIED COST															5404.02

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 22.B Estimated costs per acre
 Organic - Cabbage - spring, hand harvest
 Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Chicken Litter	ton	9.33	2.0000	18.66	_____
FUNGICIDE					
Neem Oil	pt	5.27	5.0000	26.35	_____
INSECTICIDE					
Dipel ES	pt	4.26	4.0000	17.04	_____
Azatin EC	oz	5.21	28.0000	145.88	_____
SEED/PLANTS					
Cabbage - Organic	thous	43.50	13.2000	574.20	_____
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	2.20	600.0000	1320.00	_____
Marketing Fee	box	1.00	600.0000	600.00	_____
CoolingBox S.Cabbage	box	0.25	600.0000	150.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	7.7395	84.43	_____
PLANTING LABOR					
Special Labor	hour	8.41	30.0000	252.30	_____
HAND LABOR					
Implements	hour	8.41	7.4560	62.71	_____
UNALLOCATED LABOR	hour	10.91	1.5479	16.90	_____
DIESEL FUEL					
Tractors	gal	2.46	29.8777	73.49	_____
REPAIR & MAINTENANCE					
Implements	acre	94.52	1.0000	94.52	_____
Tractors	acre	6.57	1.0000	6.57	_____
INTEREST ON OP. CAP.	acre	49.37	1.0000	49.37	_____
TOTAL DIRECT EXPENSES				5161.23	_____
FIXED EXPENSES					
Implements	acre	198.43	1.0000	198.43	_____
Tractors	acre	44.36	1.0000	44.36	_____
TOTAL FIXED EXPENSES				242.79	_____
TOTAL SPECIFIED EXPENSES				5404.02	_____

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 22.C Estimated monthly income and expense flows per acre
Organic - Cabbage - spring, hand harvest
Mississippi, 2009

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	18.81	18.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	26.35	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	4.26	158.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	574.20	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	3720.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	360.92	36.53	7.29	9.66	1.94	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	33.87	26.50	5.28	6.99	0.85	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	9.70	51.48	10.67	29.13	0.11	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.56	24.94	2.82	0.41	2.03	18.61	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	19.37	1022.29	143.68	27.91	206.47	3741.51	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-19.37	-1022.29	-143.68	-27.91	-206.47	-3741.51	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-19.37	-1041.66	-1185.34	-1213.25	-1419.72	-5161.23	-5161.23	-5161.23	-5161.23	-5161.23	-5161.23	-5161.23

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 22.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Cabbage - spring, hand harvest
 Mississippi, 2009

			-----BREAKEVEN PRICE-----										
Cabbage			6.74	7.06	7.43	7.87	8.38	9.00	9.76	10.70	11.91	13.53	15.80
PERCENT	YIELD	UNIT	-----dollars-----										
50	300.00	50lb	-2475	-2378	-2266	-2135	-1981	-1795	-1569	-1286	-922	-436	242
			-2718	-2621	-2509	-2378	-2224	-2038	-1812	-1529	-1164	-679	0
60	360.00	50lb	-2203	-2087	-1952	-1795	-1610	-1388	-1116	-776	-339	242	1058
			-2446	-2329	-2195	-2038	-1853	-1630	-1359	-1019	-582	0	815
70	420.00	50lb	-1931	-1795	-1639	-1456	-1239	-980	-663	-266	242	922	1873
			-2174	-2038	-1881	-1698	-1482	-1223	-906	-509	0	679	1630
80	480.00	50lb	-1660	-1504	-1325	-1116	-869	-572	-210	242	825	1601	2689
			-1902	-1747	-1568	-1359	-1112	-815	-453	0	582	1359	2446
90	540.00	50lb	-1388	-1213	-1011	-776	-498	-164	242	752	1407	2281	3504
			-1630	-1456	-1254	-1019	-741	-407	0	509	1164	2038	3261
100	600.00	50lb	-1116	-922	-698	-436	-127	242	695	1262	1990	2961	4320
			-1359	-1164	-940	-679	-370	0	453	1019	1747	2718	4077
110	660.00	50lb	-844	-630	-384	-96	242	650	1148	1771	2572	3640	5135
			-1087	-873	-627	-339	0	407	906	1529	2329	3397	4892
120	720.00	50lb	-572	-339	-70	242	613	1058	1601	2281	3155	4320	5951
			-815	-582	-313	0	370	815	1359	2038	2912	4077	5708
130	780.00	50lb	-300	-48	242	582	984	1466	2054	2791	3737	4999	6766
			-543	-291	0	339	741	1223	1812	2548	3494	4756	6523
140	840.00	50lb	-29	242	556	922	1354	1873	2508	3300	4320	5679	7582
			-271	0	313	679	1112	1630	2265	3058	4077	5436	7339
150	900.00	50lb	242	534	870	1262	1725	2281	2961	3810	4902	6358	8397
			0	291	627	1019	1482	2038	2718	3567	4659	6116	8154

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 2008 input prices.

Table 23.A Estimated resource use and costs for field operations, per acre
 Organic - Cucumbers, slicers, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Mar	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Manure Spreader	50bu	2WD 75 hp	1.000	1.00	Mar	10.35	5.73	0.11	1.48	1.00	10.91				28.58
Chicken Litter	ton											1.0000	9.33	9.33	9.33
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Mar	2.05	1.14	0.61	1.45	0.19	2.16				7.41
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Apr	2.05	1.14	0.61	1.45	0.19	2.16				7.41
BS.lay/tape/Cucumber	4ftctr	2WD 75 hp	1.617	1.00	Apr	16.73	9.27	2.18	7.13	1.61	17.65				52.96
Plastic Mulch	roll											2.2000	162.00	356.40	356.40
Drip Tape	roll											1.5000	156.00	234.00	234.00
Plntr/H2O Cucumber	1R 4ftctr	2WD 75 hp	2.578	1.00	Apr	26.67	14.77	2.13	4.01	10.31	93.18				140.76
Cucumber - Organic	lb											3.0000	566.00	1698.00	1698.00
Irrigation				1.00	Apr										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Azatin EC	oz											14.0000	5.21	72.94	72.94
Fertigation				2.00	Apr										
FERTIGATION LABOR	hour									2.00	16.82				16.82
Liquid Fish Fert.	gal											18.0000	15.61	280.98	280.98
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	3.00	Apr	7.63	4.22	28.49	56.62	0.73	8.04				105.00
Neem Oil	pt											3.0000	5.27	15.81	15.81
Fertigation				2.00	May										
FERTIGATION LABOR	hour									2.00	16.82				16.82
Liquid Fish Fert.	gal											18.0000	15.61	280.98	280.98
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Neem Oil	pt											1.0000	5.27	5.27	5.27
Azatin EC	oz											14.0000	5.21	72.94	72.94
Fertigation				2.00	May										
FERTIGATION LABOR	hour									2.00	16.82				16.82
Liquid Fish Fert.	gal											18.0000	15.61	280.98	280.98
Fertigation				1.00	Jun										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											9.0000	15.61	140.49	140.49
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jun	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Azatin EC	oz											14.0000	5.21	72.94	72.94
Fertigation				1.00	Jun										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											9.0000	15.61	140.49	140.49
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jun	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Neem Oil	pt											1.0000	5.27	5.27	5.27
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	1.00	Jun	0.93	0.52	0.03	0.05	0.18	1.74				3.27

(continued)

Table 23.A Estimated resource use and costs for field operations, per acre
 Organic - Cucumbers, slicers, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2008 (continued)

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
HARVEST LABOR	hour			1.00	Jun					120.00	1009.20				1009.20
5-Gal Bucket	each											200.0000	3.00	600.00	600.00
Labor(Packing)	each											300.0000	0.75	225.00	225.00
Boxes-Waxed	each											300.0000	1.33	399.00	399.00
Plastic Clean Up				1.00	Jun										
Mulch Lifter	1 Row	2WD 75 hp	0.589			6.10	3.38	0.12	2.60	0.58	6.43				18.63
Labor Clean up	acre											1.0000	100.00	100.00	100.00
Irrigation Setup	acre				Apr							1.0000			463.70
TOTALS						84.95	47.07	72.84	151.37	144.03	1231.87			5459.69	7511.49
INTEREST ON OPERATING CAPITAL															72.31
UNALLOCATED LABOR															17.94
TOTAL SPECIFIED COST															7601.74

Note: Cost of production estimates are based on 2008 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.

Make sure all inputs are allowed by your licensing agency.

Table 23.B Estimated costs per acre
 Organic - Cucumbers, slicers, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Chicken Litter	ton	9.33	1.0000	9.33	_____
Liquid Fish Fert.	gal	15.61	72.0000	1123.92	_____
FUNGICIDE					
Neem Oil	pt	5.27	5.0000	26.35	_____
INSECTICIDE					
Azatin EC	oz	5.21	42.0000	218.82	_____
SEED/PLANTS					
Cucumber - Organic	lb	566.00	3.0000	1698.00	_____
OTHER					
Plastic Mulch	roll	162.00	2.2000	356.40	_____
5-Gal Bucket	each	3.00	200.0000	600.00	_____
Labor(Packing)	each	0.75	300.0000	225.00	_____
Boxes-Waxed	each	1.33	300.0000	399.00	_____
Labor Clean up	acre	100.00	1.0000	100.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	1.5000	234.00	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	10.91	8.2107	89.58	_____
HARVEST LABOR					
Special Labor	hour	8.41	120.0000	1009.20	_____
HAND LABOR					
Implements	hour	8.41	7.8243	65.81	_____
FERTIGATION LABOR					
Special Labor	hour	8.41	8.0000	67.28	_____
UNALLOCATED LABOR	hour	10.92	1.6421	17.94	_____
DIESEL FUEL					
Tractors	gal	2.46	31.6969	77.96	_____
REPAIR & MAINTENANCE					
Implements	acre	72.84	1.0000	72.84	_____
Tractors	acre	6.99	1.0000	6.99	_____
INTEREST ON OP. CAP.	acre	72.31	1.0000	72.31	_____
TOTAL DIRECT EXPENSES				6939.60	_____
FIXED EXPENSES					
Implements	acre	151.37	1.0000	151.37	_____
Tractors	acre	47.07	1.0000	47.07	_____
Irrigation Setup	acre	463.70	1.0000	463.70	_____
TOTAL FIXED EXPENSES				662.14	_____
TOTAL SPECIFIED EXPENSES				7601.74	_____

Note: Cost of production estimates are based on 2008 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.

Make sure all inputs are allowed by your licensing agency.

Table 23.C Estimated monthly income and expense flows per acre
 Organic - Cucumbers, slicers, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2009

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	28.14	280.98	561.96	280.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	15.81	5.27	5.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	72.94	72.94	72.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	1698.00	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	1324.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	684.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	18.56	152.27	36.86	1042.12	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	13.47	51.05	2.33	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	2.49	47.48	9.71	20.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.26	50.38	6.89	13.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	63.92	3409.37	695.96	2770.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-63.92	-3409.37	-695.96	-2770.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-63.92	-3473.29	-4169.25	-6939.60	-6939.60	-6939.60	-6939.60	-6939.60	-6939.60	-6939.60	-6939.60	-6939.60

Note: Cost of production estimates are based on 2008 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.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 23.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Cucumbers, slicers, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2009

			-----BREAKEVEN PRICE-----										
Cucumbers			17.58	18.69	19.97	21.46	23.22	25.33	27.92	31.15	35.30	40.83	48.58
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	551b	-3987	-3821	-3629	-3406	-3142	-2825	-2437	-1953	-1330	-500	662
			-4649	-4483	-4292	-4068	-3804	-3487	-3099	-2615	-1992	-1162	0
60	180.00	551b	-3522	-3323	-3093	-2825	-2508	-2127	-1662	-1081	-334	662	2057
			-4184	-3985	-3755	-3487	-3170	-2789	-2324	-1743	-996	0	1394
70	210.00	551b	-3057	-2825	-2556	-2243	-1874	-1430	-887	-209	662	1824	3451
			-3719	-3487	-3219	-2906	-2536	-2092	-1549	-871	0	1162	2789
80	240.00	551b	-2592	-2326	-2020	-1662	-1240	-732	-112	662	1658	2987	4846
			-3254	-2989	-2682	-2324	-1902	-1394	-774	0	996	2324	4184
90	270.00	551b	-2127	-1828	-1483	-1081	-605	-35	662	1533	2654	4149	6241
			-2789	-2490	-2146	-1743	-1268	-697	0	871	1992	3487	5579
100	300.00	551b	-1662	-1330	-947	-500	28	662	1437	2405	3651	5311	7636
			-2324	-1992	-1609	-1162	-634	0	774	1743	2989	4649	6974
110	330.00	551b	-1197	-832	-410	80	662	1359	2212	3277	4647	6474	9031
			-1859	-1494	-1073	-581	0	697	1549	2615	3985	5812	8369
120	360.00	551b	-732	-334	125	662	1296	2057	2987	4149	5644	7636	10426
			-1394	-996	-536	0	634	1394	2324	3487	4981	6974	9764
130	390.00	551b	-267	163	662	1243	1930	2754	3761	5021	6640	8799	11821
			-929	-498	0	581	1268	2092	3099	4359	5978	8137	11159
140	420.00	551b	197	662	1198	1824	2564	3451	4536	5893	7636	9961	13216
			-464	0	536	1162	1902	2789	3874	5230	6974	9299	12554
150	450.00	551b	662	1160	1735	2405	3198	4149	5311	6764	8633	11124	14611
			0	498	1073	1743	2536	3487	4649	6102	7970	10461	13949

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 2008 input prices.

Table 24.A Estimated resource use and costs for field operations, per acre
 Organic - Greens (turnip,mustard,collards),fresh market
 Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Aug	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Aug	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Manure Spreader	50bu	2WD 75 hp	1.000	1.00	Aug	10.35	5.73	0.11	1.48	1.00	10.91				28.58
Chicken Litter	ton											2.0000	9.33	18.66	18.66
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Aug	2.05	1.14	0.61	1.45	0.19	2.16				7.41
Cultipacker	12 Ft	2WD 75 hp	0.124	1.00	Aug	1.29	0.71	0.15	0.23	0.12	1.36				3.74
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Sep	4.11	2.27	6.47	11.97	0.39	4.33				29.15
Greens - Organic	lb											3.3000	27.75	91.57	91.57
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	3.00	Sep	7.63	4.22	28.49	56.62	0.73	8.04				105.00
Kocide DF	lb											6.0000	3.42	20.52	20.52
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Sep	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Azatin EC	oz											28.0000	5.21	145.88	145.88
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Oct	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Dipel ES	pt											1.0000	4.26	4.26	4.26
Stacking Bins	each			1.00	Oct							20.0000	2.00	40.00	40.00
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	1.00	Oct	0.93	0.52	0.03	0.05	0.18	1.74				3.27
HARVEST & PACK LABOR	hour			1.00	Oct					175.00	1471.75				1471.75
Boxes-Waxed	each			1.00	Oct							500.0000	1.33	665.00	665.00
Cooling Box - Greens box												500.0000	0.25	125.00	125.00
TOTALS						40.37	22.34	66.14	132.42	178.98	1515.06			1129.70	2906.03
INTEREST ON OPERATING CAPITAL															17.10
UNALLOCATED LABOR															8.52
TOTAL SPECIFIED COST															2931.65

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 24.B Estimated costs per acre
Organic - Greens (turnip,mustard,collards),fresh market
Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Chicken Litter	ton	9.33	2.0000	18.66	_____
FUNGICIDE					
Kocide DF	lb	3.42	6.0000	20.52	_____
INSECTICIDE					
Azatin EC	oz	5.21	28.0000	145.88	_____
Dipel ES	pt	4.26	1.0000	4.26	_____
SEED/PLANTS					
Greens - Organic	lb	27.75	3.3000	91.57	_____
OTHER					
Stacking Bins	each	2.00	20.0000	40.00	_____
Boxes-Waxed	each	1.33	500.0000	665.00	_____
Cooling Box - Greens	box	0.25	500.0000	125.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	3.8995	42.55	_____
HAND LABOR					
Implements	hour	8.41	0.0900	0.76	_____
HARVEST & PACK LABOR					
Special Labor	hour	8.41	175.0000	1471.75	_____
UNALLOCATED LABOR	hour	10.92	0.7799	8.52	_____
DIESEL FUEL					
Tractors	gal	2.46	15.0539	37.03	_____
REPAIR & MAINTENANCE					
Implements	acre	66.14	1.0000	66.14	_____
Tractors	acre	3.34	1.0000	3.34	_____
INTEREST ON OP. CAP.	acre	17.10	1.0000	17.10	_____
TOTAL DIRECT EXPENSES				2776.89	_____
FIXED EXPENSES					
Implements	acre	132.42	1.0000	132.42	_____
Tractors	acre	22.34	1.0000	22.34	_____
TOTAL FIXED EXPENSES				154.76	_____
TOTAL SPECIFIED EXPENSES				2931.65	_____

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 24.C Estimated monthly income and expense flows per acre
 Organic - Greens (turnip,mustard,collards),fresh market
 Mississippi, 2009

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	18.81	0.00	0.00	0.00	0.00	0.00	0.00	18.66	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.52	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	145.88	4.26	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.57	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	830.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.39	21.28	1476.91	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	18.42	15.43	3.18	0.00	0.00
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.31	55.35	9.82	0.00	0.00
INTEREST ON OP. CAP.	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.01	3.52	11.63	0.00	0.00
TOTAL DIRECT EXPENSES	19.75	0.00	0.00	0.00	0.00	0.00	0.00	67.79	353.55	2335.80	0.00	0.00
NET INCOME	-19.75	0.00	0.00	0.00	0.00	0.00	0.00	-67.79	-353.55	-2335.80	0.00	0.00
NET INCOME TO DATE	-19.75	-19.75	-19.75	-19.75	-19.75	-19.75	-19.75	-87.54	-441.09	-2776.89	-2776.89	-2776.89

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 24.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Greens (turnip,mustard,collards),fresh market
 Mississippi, 2009

			-----BREAKEVEN PRICE-----										
Greens (25lb)			4.35	4.56	4.81	5.10	5.45	5.86	6.36	6.99	7.80	8.88	10.38
PERCENT	YIELD	UNIT	-----dollars-----										
50	250.00	2doz	-1354	-1300	-1238	-1165	-1079	-976	-851	-693	-491	-222	154
			-1508	-1454	-1392	-1320	-1234	-1131	-1005	-848	-646	-377	0
60	300.00	2doz	-1203	-1138	-1063	-976	-874	-750	-599	-411	-168	154	607
			-1357	-1293	-1218	-1131	-1028	-905	-754	-565	-323	0	452
70	350.00	2doz	-1052	-976	-889	-788	-668	-524	-348	-128	154	531	1060
			-1207	-1131	-1044	-943	-823	-678	-502	-282	0	377	905
80	400.00	2doz	-901	-815	-715	-599	-462	-297	-96	154	478	909	1512
			-1056	-969	-870	-754	-617	-452	-251	0	323	754	1357
90	450.00	2doz	-750	-653	-541	-411	-256	-71	154	437	801	1286	1965
			-905	-808	-696	-565	-411	-226	0	282	646	1131	1810
100	500.00	2doz	-599	-491	-367	-222	-50	154	406	720	1124	1663	2418
			-754	-646	-522	-377	-205	0	251	565	969	1508	2263
110	550.00	2doz	-448	-330	-193	-33	154	381	657	1003	1448	2040	2870
			-603	-484	-348	-188	0	226	502	848	1293	1886	2715
120	600.00	2doz	-297	-168	-19	154	360	607	909	1286	1771	2418	3323
			-452	-323	-174	0	205	452	754	1131	1616	2263	3168
130	650.00	2doz	-147	-6	154	343	566	833	1160	1569	2094	2795	3776
			-301	-161	0	188	411	678	1005	1414	1939	2640	3621
140	700.00	2doz	3	154	328	531	772	1060	1412	1852	2418	3172	4228
			-150	0	174	377	617	905	1257	1697	2263	3017	4073
150	750.00	2doz	154	316	502	720	977	1286	1663	2135	2741	3549	4681
			0	161	348	565	823	1131	1508	1980	2586	3394	4526

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 2008 input prices.

Table 25.A Estimated resource use and costs for field operations, per acre
 Organic - Lima / butter beans - hand harvest
 Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Jan	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Manure Spreader	50bu	2WD 75 hp	1.000	1.00	Mar	10.35	5.73	0.11	1.48	1.00	10.91				28.58
Chicken Litter	ton											1.0000	9.33	9.33	9.33
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Mar	2.05	1.14	0.61	1.45	0.19	2.16				7.41
Disk Bed	2 Row	2WD 75 hp	0.284	1.00	Mar	2.94	1.63	0.19	0.83	0.28	3.10				8.69
Cultivate	2 Row	2WD 75 hp	0.390	1.00	Apr	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Apr	4.11	2.27	6.47	11.97	0.39	4.33				29.15
Lima Bean - Organic	lb											30.0000	59.00	1770.00	1770.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Azatin EC	oz											14.0000	5.21	72.94	72.94
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Pyrethrins	oz											16.0000	3.12	49.92	49.92
Cultivator - Rolling	2 Row	2WD 75 hp	0.310	1.00	May	3.21	1.78	0.70	3.76	0.31	3.39				12.84
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	4.00	May	10.16	5.63	37.99	75.49	0.98	10.72				139.99
Kocide DF	lb											8.8000	3.42	30.10	30.10
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Pyrethrins	oz											16.0000	3.12	49.92	49.92
HARVEST LABOR	hour			1.00	Jun					136.00	1143.76				1143.76
5-Gal Bucket	each											40.0000	3.00	120.00	120.00
Sheller Lima Beans	each			1.00	Jun				7.18			0.0200			7.18
107/10 lb bg L/BBean	acre							0.24		9.00	75.69	1.0000			75.93
R.B.Convey LimaBeans	each			1.00	Jun				3.31			0.0200			3.31
Rot.PakTable L-Beans	each			1.00	Jun				2.80			0.0200			2.80
Application 1	acre							0.13		5.00	42.05	1.0000			42.18
Bag Sealer LimaBeans	each			1.00	Jun				0.98			0.0200			0.98
Application 1	acre							0.61		0.12	1.01	1.0000			1.62
TOTALS							46.76	25.91	76.52	169.14	154.63	1311.82		2121.02	3751.17
INTEREST ON OPERATING CAPITAL															39.10
UNALLOCATED LABOR															9.87
TOTAL SPECIFIED COST															3800.14

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.
 Make sure all inputs are allowed by your licensing agency.

Table 25.B Estimated costs per acre
 Organic - Lima / butter beans - hand harvest
 Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Chicken Litter	ton	9.33	1.0000	9.33	_____
FUNGICIDE					
Kocide DF	lb	3.42	8.8000	30.10	_____
INSECTICIDE					
Azatin EC	oz	5.21	14.0000	72.94	_____
Pyrethrins	oz	3.12	32.0000	99.84	_____
SEED/PLANTS					
Lima Bean - Organic	lb	59.00	30.0000	1770.00	_____
OTHER					
5-Gal Bucket	each	3.00	40.0000	120.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	4.5193	49.31	_____
HARVEST LABOR					
Special Labor	hour	8.41	136.0000	1143.76	_____
GRD LABOR LIMA BEANS					
Bag Sealer LimaBeans	hour	8.41	0.1200	1.01	_____
Rot.PakTable L-Beans	hour	8.41	5.0000	42.05	_____
Sheller Lima Beans	hour	8.41	9.0000	75.69	_____
UNALLOCATED LABOR	hour	10.91	0.9038	9.87	_____
DIESEL FUEL					
Tractors	gal	2.46	17.4466	42.92	_____
REPAIR & MAINTENANCE					
Implements	acre	75.54	1.0000	75.54	_____
Tractors	acre	3.84	1.0000	3.84	_____
Bag Sealer LimaBeans	acre	0.60	1.0000	0.61	_____
Rot.PakTable L-Beans	acre	0.12	1.0000	0.13	_____
Sheller Lima Beans	acre	0.24	1.0000	0.24	_____
INTEREST ON OP. CAP.	acre	39.10	1.0000	39.10	_____
TOTAL DIRECT EXPENSES				3605.09	_____
FIXED EXPENSES					
Implements	acre	154.87	1.0000	154.87	_____
Tractors	acre	25.91	1.0000	25.91	_____
Bag Sealer LimaBeans	each	48.83	0.0200	0.98	_____
R.B.Convey LimaBeans	each	165.69	0.0200	3.31	_____
Rot.PakTable L-Beans	each	139.86	0.0200	2.80	_____
Sheller Lima Beans	each	359.09	0.0200	7.18	_____
TOTAL FIXED EXPENSES				195.05	_____
TOTAL SPECIFIED EXPENSES				3800.14	_____

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 25.C Estimated monthly income and expense flows per acre
 Organic - Lima / butter beans - hand harvest
 Mississippi, 2009

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	18.81	0.00	9.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	30.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	72.94	99.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	1770.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.88	0.00	19.40	13.53	23.37	1262.51	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	2.09	0.00	14.08	9.81	16.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.75	0.00	2.17	17.26	59.20	0.98	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.73	0.00	0.91	28.25	2.29	6.92	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	25.26	0.00	45.89	1911.79	231.74	1390.41	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-25.26	0.00	-45.89	-1911.79	-231.74	-1390.41	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-25.26	-25.26	-71.15	-1982.94	-2214.68	-3605.09	-3605.09	-3605.09	-3605.09	-3605.09	-3605.09	-3605.09

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 25.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
Organic - Lima / butter beans - hand harvest
Mississippi, 2009

			-----BREAKEVEN PRICE-----										
Lima/Butter Beans			23.67	25.36	27.31	29.59	32.28	35.51	39.46	44.39	50.73	59.19	71.03
PERCENT	YIELD	UNIT	-----dollars-----										
50	53.50	101b	-2338	-2247	-2143	-2021	-1877	-1705	-1493	-1230	-890	-438	195
			-2533	-2442	-2338	-2216	-2072	-1900	-1688	-1425	-1085	-633	0
60	64.20	101b	-2085	-1976	-1851	-1705	-1532	-1325	-1071	-754	-347	195	955
			-2280	-2171	-2046	-1900	-1727	-1520	-1266	-950	-542	0	760
70	74.90	101b	-1831	-1705	-1558	-1388	-1186	-944	-649	-279	195	828	1715
			-2026	-1900	-1753	-1583	-1381	-1140	-844	-475	0	633	1520
80	85.60	101b	-1578	-1433	-1266	-1071	-841	-564	-227	195	737	1461	2475
			-1773	-1628	-1461	-1266	-1036	-760	-422	0	542	1266	2280
90	96.30	101b	-1325	-1162	-974	-754	-495	-184	195	670	1280	2095	3235
			-1520	-1357	-1169	-950	-690	-380	0	475	1085	1900	3040
100	107.00	101b	-1071	-890	-681	-438	-150	195	617	1145	1823	2728	3995
			-1266	-1085	-876	-633	-345	0	422	950	1628	2533	3800
110	117.70	101b	-818	-619	-389	-121	195	575	1039	1620	2366	3361	4755
			-1013	-814	-584	-316	0	380	844	1425	2171	3166	4560
120	128.40	101b	-564	-347	-97	195	540	955	1461	2095	2909	3995	5515
			-760	-542	-292	0	345	760	1266	1900	2714	3800	5320
130	139.10	101b	-311	-76	195	511	885	1335	1884	2570	3452	4628	6275
			-506	-271	0	316	690	1140	1688	2375	3257	4433	6080
140	149.80	101b	-58	195	487	828	1231	1715	2306	3045	3995	5261	7035
			-253	0	292	633	1036	1520	2111	2850	3800	5066	6840
150	160.50	101b	195	466	779	1145	1576	2095	2728	3520	4538	5895	7795
			0	271	584	950	1381	1900	2533	3325	4343	5700	7600

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 2008 input prices.

Table 26.A Estimated resource use and costs for field operations, per acre
 Organic - Lima / butter beans - mechanical harvest
 Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Jan	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Mar	2.05	1.14	0.61	1.45	0.19	2.16				7.41
Manure Spreader	50bu	2WD 50 hp	1.000	1.00	Mar	6.91	3.93	0.11	1.48	1.00	10.91				23.34
Chicken Litter	ton											1.0000	9.33	9.33	9.33
Disk Bed	2 Row	2WD 75 hp	0.284	1.00	Mar	2.94	1.63	0.19	0.83	0.28	3.10				8.69
Cultivator - Rolling	2 Row	2WD 75 hp	0.310	1.00	Apr	3.21	1.78	0.70	3.76	0.31	3.39				12.84
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Apr	4.11	2.27	6.47	11.97	0.39	4.33				29.15
Lima Bean - Organic	lb											30.0000	59.00	1770.00	1770.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Azatin EC	oz											14.0000	5.21	72.94	72.94
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Pyrethrins	oz											16.0000	3.12	49.92	49.92
Cultivate	2 Row	2WD 75 hp	0.390	1.00	May	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	4.00	May	10.16	5.63	37.99	75.49	0.98	10.72				139.99
Kocide DF	lb											8.8000	3.42	30.10	30.10
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Pyrethrins	oz											16.0000	3.12	49.92	49.92
Picker Beans/Peas	1 Row	2WD 75 hp	3.571	1.00	Jun	36.95	20.46	40.36	38.92	10.71	99.03				235.72
Trailer-Lima/B. Bean	16 ft	2WD 50 hp	3.571	1.00	Jun	24.69	14.02	1.22	2.33	7.14	69.00				111.26
LABOR BEAN TRAILER	hour														30.11
Sheller Lima Beans	each			1.00	Jun				7.18			0.0200			7.18
65/10 lb bg L/BBean	acre							0.24		9.00	75.69	1.0000			75.93
R.B.Convey LimaBeans	each			1.00	Jun				3.31			0.0200			3.31
Rot.PakTable L-Beans	each			1.00	Jun				2.80			0.0200			2.80
Application 1	acre							0.13		5.00	42.05	1.0000			42.18
Bag Sealer LimaBeans	each			1.00	Jun				0.98			0.0200			0.98
Application 1	acre							0.61		0.12	1.01	1.0000			1.62
TOTALS						104.96	58.59	118.10	210.39	40.07	366.20			2001.02	2859.26
INTEREST ON OPERATING CAPITAL															34.29
UNALLOCATED LABOR															25.45
TOTAL SPECIFIED COST															2919.00

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.
 Make sure all inputs are allowed by your licensing agency.

Table 26.B Estimated costs per acre
 Organic - Lima / butter beans - mechanical harvest
 Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Chicken Litter	ton	9.33	1.0000	9.33	_____
FUNGICIDE					
Kocide DF	lb	3.42	8.8000	30.10	_____
INSECTICIDE					
Azatin EC	oz	5.21	14.0000	72.94	_____
Pyrethrins	oz	3.12	32.0000	99.84	_____
SEED/PLANTS					
Lima Bean - Organic	lb	59.00	30.0000	1770.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	11.6622	127.23	_____
HAND LABOR					
Implements	hour	8.41	10.7142	90.11	_____
LABOR BEAN TRAILER					
Special Labor	hour	8.41	3.5800	30.11	_____
GRD LABOR LIMA BEANS					
Bag Sealer LimaBeans	hour	8.41	0.1200	1.01	_____
Rot.PakTable L-Beans	hour	8.41	5.0000	42.05	_____
Sheller Lima Beans	hour	8.41	9.0000	75.69	_____
UNALLOCATED LABOR	hour	10.91	2.3324	25.45	_____
DIESEL FUEL					
Tractors	gal	2.46	39.1384	96.28	_____
REPAIR & MAINTENANCE					
Implements	acre	117.12	1.0000	117.12	_____
Tractors	acre	8.68	1.0000	8.68	_____
Bag Sealer LimaBeans	acre	0.60	1.0000	0.61	_____
Rot.PakTable L-Beans	acre	0.12	1.0000	0.13	_____
Sheller Lima Beans	acre	0.24	1.0000	0.24	_____
INTEREST ON OP. CAP.	acre	34.29	1.0000	34.29	_____
TOTAL DIRECT EXPENSES				2650.02	_____
FIXED EXPENSES					
Implements	acre	196.12	1.0000	196.12	_____
Tractors	acre	58.59	1.0000	58.59	_____
Bag Sealer LimaBeans	each	48.83	0.0200	0.98	_____
R.B.Convey LimaBeans	each	165.69	0.0200	3.31	_____
Rot.PakTable L-Beans	each	139.86	0.0200	2.80	_____
Sheller Lima Beans	each	359.09	0.0200	7.18	_____
TOTAL FIXED EXPENSES				268.98	_____
TOTAL SPECIFIED EXPENSES				2919.00	_____

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 26.C Estimated monthly income and expense flows per acre
 Organic - Lima / butter beans - mechanical harvest
 Mississippi, 2009

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	18.81	0.00	9.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	0.00	30.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	72.94	99.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	1770.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.88	0.00	19.40	12.49	24.41	332.47	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	2.09	0.00	10.91	9.05	17.70	56.53	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.75	0.00	1.90	17.48	58.98	47.67	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.73	0.00	0.84	28.23	2.31	2.18	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	25.26	0.00	42.38	1910.19	233.34	438.85	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-25.26	0.00	-42.38	-1910.19	-233.34	-438.85	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-25.26	-25.26	-67.64	-1977.83	-2211.17	-2650.02	-2650.02	-2650.02	-2650.02	-2650.02	-2650.02	-2650.02

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 26.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Lima / butter beans - mechanical harvest
 Mississippi, 2009

			-----BREAKEVEN PRICE-----										
Lima/Butter Beans			29.93	32.07	34.54	37.42	40.82	44.90	49.89	56.13	64.15	74.84	89.81
PERCENT	YIELD	UNIT	-----dollars-----										
50	32.50	101b	-1677	-1607	-1527	-1433	-1323	-1190	-1028	-825	-565	-217	268
			-1946	-1876	-1796	-1702	-1592	-1459	-1297	-1094	-834	-486	0
60	39.00	101b	-1482	-1399	-1302	-1190	-1057	-898	-704	-460	-148	268	852
			-1751	-1668	-1571	-1459	-1326	-1167	-973	-729	-417	0	583
70	45.50	101b	-1287	-1190	-1078	-947	-792	-606	-379	-95	268	755	1436
			-1556	-1459	-1347	-1216	-1061	-875	-648	-364	0	486	1167
80	52.00	101b	-1093	-982	-853	-704	-527	-314	-55	268	685	1241	2020
			-1362	-1251	-1122	-973	-796	-583	-324	0	417	973	1751
90	58.50	101b	-898	-773	-629	-460	-261	-22	268	633	1102	1728	2604
			-1167	-1042	-898	-729	-530	-291	0	364	834	1459	2335
100	65.00	101b	-704	-565	-404	-217	3	268	593	998	1519	2214	3187
			-973	-834	-673	-486	-265	0	324	729	1251	1946	2919
110	71.50	101b	-509	-356	-180	25	268	560	917	1363	1936	2701	3771
			-778	-625	-449	-243	0	291	648	1094	1668	2432	3502
120	78.00	101b	-314	-148	44	268	534	852	1241	1728	2353	3187	4355
			-583	-417	-224	0	265	583	973	1459	2085	2919	4086
130	84.50	101b	-120	60	268	512	799	1144	1566	2093	2770	3674	4939
			-389	-208	0	243	530	875	1297	1824	2502	3405	4670
140	91.00	101b	74	268	493	755	1065	1436	1890	2458	3187	4160	5523
			-194	0	224	486	796	1167	1621	2189	2919	3892	5254
150	97.50	101b	268	477	718	998	1330	1728	2214	2823	3604	4647	6106
			0	208	449	729	1061	1459	1946	2554	3336	4378	5838

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 2008 input prices.

Table 27.A Estimated resource use and costs for field operations, per acre
 Organic - Okra, fresh market
 Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Mar	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Manure Spreader	50bu	2WD 75 hp	1.000	1.00	Mar	10.35	5.73	0.11	1.48	1.00	10.91				28.58
Chicken Litter	ton											1.0000	9.33	9.33	9.33
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Mar	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed	2 Row	2WD 75 hp	0.284	1.00	Apr	2.94	1.63	0.19	0.83	0.28	3.10				8.69
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Apr	4.11	2.27	6.47	11.97	0.39	4.33				29.15
Okra - Organic	lb											8.8000	43.99	387.11	387.11
Cultivate	2 Row	2WD 75 hp	0.390	1.00	Apr	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Cultivator - Rolling	2 Row	2WD 75 hp	0.310	1.00	Apr	3.21	1.78	0.70	3.76	0.31	3.39				12.84
Cultivate	2 Row	2WD 75 hp	0.390	2.00	May	8.08	4.48	0.82	4.36	0.78	8.52				26.26
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Pyrethrins	oz											32.0000	3.12	99.84	99.84
Cultivator - Rolling	2 Row	2WD 75 hp	0.310	1.00	May	3.21	1.78	0.70	3.76	0.31	3.39				12.84
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	3.00	Jun	7.63	4.22	28.49	56.62	0.73	8.04				105.00
Pyrethrins	oz											48.0000	3.12	149.76	149.76
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	12.00	Jun	11.18	6.19	0.33	0.63	2.16	20.86				39.19
HARVEST LABOR	hour			1.00	Jun					300.00	2523.00				2523.00
5-Gal Bucket	each											200.0000	3.00	600.00	600.00
GRADE & PACK LABOR	hour			1.00	Jun					30.00	252.30				252.30
Boxes-Waxed	each											400.0000	1.33	532.00	532.00
TOTALS						66.22	36.66	59.00	127.34	337.47	2854.19			1796.85	4940.26
INTEREST ON OPERATING CAPITAL															30.03
UNALLOCATED LABOR															13.97
TOTAL SPECIFIED COST															4984.26

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.
 Make sure all inputs are allowed by your licensing agency.

Table 27.B Estimated costs per acre
Organic - Okra, fresh market
Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Chicken Litter	ton	9.33	1.0000	9.33	_____
INSECTICIDE					
Pyrethrins	oz	3.12	80.0000	249.60	_____
SEED/PLANTS					
Okra - Organic	lb	43.99	8.8000	387.11	_____
OTHER					
5-Gal Bucket	each	3.00	200.0000	600.00	_____
Boxes-Waxed	each	1.33	400.0000	532.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	6.3985	69.81	_____
HARVEST LABOR					
Special Labor	hour	8.41	300.0000	2523.00	_____
GRADE & PACK LABOR					
Special Labor	hour	8.41	30.0000	252.30	_____
HAND LABOR					
Implements	hour	8.41	1.0800	9.08	_____
UNALLOCATED LABOR	hour	10.91	1.2797	13.97	_____
DIESEL FUEL					
Tractors	gal	2.46	24.7008	60.78	_____
REPAIR & MAINTENANCE					
Implements	acre	59.00	1.0000	59.00	_____
Tractors	acre	5.44	1.0000	5.44	_____
INTEREST ON OP. CAP.	acre	30.03	1.0000	30.03	_____
TOTAL DIRECT EXPENSES				4820.26	_____
FIXED EXPENSES					
Implements	acre	127.34	1.0000	127.34	_____
Tractors	acre	36.66	1.0000	36.66	_____
TOTAL FIXED EXPENSES				164.00	_____
TOTAL SPECIFIED EXPENSES				4984.26	_____

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 27.C Estimated monthly income and expense flows per acre
 Organic - Okra, fresh market
 Mississippi, 2009

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	28.14	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	0.00	99.84	149.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	387.11	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	1132.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	21.17	18.10	20.72	2808.17	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	15.36	13.13	15.03	17.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	3.27	8.94	21.86	30.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.36	6.41	1.58	20.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	69.30	433.69	159.03	4158.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-69.30	-433.69	-159.03	-4158.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-69.30	-502.99	-662.02	-4820.26	-4820.26	-4820.26	-4820.26	-4820.26	-4820.26	-4820.26	-4820.26	-4820.26

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 27.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
Organic - Okra, fresh market
Mississippi, 2009

Okra (US Fancy)			-----BREAKEVEN PRICE-----										
			8.75	9.28	9.89	10.60	11.44	12.46	13.69	15.24	17.22	19.87	23.58
PERCENT	YIELD	UNIT	-----dollars-----										
50	200.00	30lb	-2802	-2696	-2574	-2431	-2263	-2060	-1813	-1504	-1107	-577	164
			-2966	-2860	-2738	-2595	-2427	-2224	-1977	-1668	-1271	-741	0
60	240.00	30lb	-2505	-2378	-2231	-2060	-1858	-1615	-1319	-948	-471	164	1053
			-2669	-2542	-2395	-2224	-2022	-1779	-1483	-1112	-635	0	889
70	280.00	30lb	-2209	-2060	-1889	-1690	-1454	-1170	-824	-392	164	905	1943
			-2373	-2224	-2053	-1854	-1618	-1334	-988	-556	0	741	1779
80	320.00	30lb	-1912	-1742	-1547	-1319	-1049	-725	-330	164	799	1647	2833
			-2076	-1906	-1711	-1483	-1213	-889	-494	0	635	1483	2669
90	360.00	30lb	-1615	-1425	-1205	-948	-645	-280	164	720	1435	2388	3723
			-1779	-1589	-1369	-1112	-809	-444	0	556	1271	2224	3559
100	400.00	30lb	-1319	-1107	-862	-577	-240	164	658	1276	2070	3130	4613
			-1483	-1271	-1026	-741	-404	0	494	1112	1906	2966	4449
110	440.00	30lb	-1022	-789	-520	-206	164	608	1152	1832	2706	3872	5503
			-1186	-953	-684	-370	0	444	988	1668	2542	3708	5339
120	480.00	30lb	-725	-471	-178	164	568	1053	1647	2388	3342	4613	6393
			-889	-635	-342	0	404	889	1483	2224	3178	4449	6229
130	520.00	30lb	-429	-153	164	534	973	1498	2141	2945	3977	5355	7283
			-593	-317	0	370	809	1334	1977	2781	3813	5191	7119
140	560.00	30lb	-132	164	506	905	1377	1943	2636	3501	4613	6096	8173
			-296	0	342	741	1213	1779	2472	3337	4449	5932	8009
150	600.00	30lb	164	481	848	1276	1782	2388	3130	4057	5249	6838	9063
			0	317	684	1112	1618	2224	2966	3893	5085	6674	8899

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 2008 input prices..

Table 28.A Estimated resource use and costs for field operations, per acre
 Organic - Pumpkin, wholesale/freshmarket, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009

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	38.00	6.21	6.21
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	May	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Manure Spreader	50bu	2WD 75 hp	1.000	1.00	May	10.35	5.73	0.11	1.48	1.00	10.91				28.58
Chicken Litter	ton											2.0000	9.33	18.66	18.66
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Jun	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed	2 Row	2WD 75 hp	0.284	1.00	Jun	2.94	1.63	0.19	0.83	0.28	3.10				8.69
BS. lay/tape/Pumpkin	8ftctr	2WD 75 hp	0.080	1.00	Jun	0.84	0.46	0.22	0.72	0.08	0.88				3.12
Plastic Mulch	roll											1.4000	162.00	226.80	226.80
Drip Tape	roll											0.9000	156.00	140.40	140.40
Plntr/H20/pnch/seed	1 Row	2WD 75 hp	2.578	1.00	Jul	26.67	14.77	4.14	7.79	5.15	49.81				103.18
Pumpkin Sd - Organic	lb											1.5000	62.12	93.18	93.18
Irrigation				1.00	Jul										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Fertigation				1.00	Jul										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											9.0000	15.61	140.49	140.49
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jul	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Azatin EC	oz											14.0000	5.21	72.94	72.94
Disk Harrow-Hvy Duty	5'	2WD 75 hp	0.412	0.50	Jul	2.14	1.18	0.14	0.34	0.20	2.25				6.05
Fertigation				1.00	Jul										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											9.0000	15.61	140.49	140.49
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jul	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Pyrethrins	oz											16.0000	3.12	49.92	49.92
Fertigation				1.00	Jul										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											9.0000	15.61	140.49	140.49
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Aug	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Neem Oil	pt											1.0000	5.27	5.27	5.27
Fertigation				3.00	Aug										
FERTIGATION LABOR	hour									3.00	25.23				25.23
Liquid Fish Fert.	gal											27.0000	15.61	421.47	421.47
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Aug	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Neem Oil	pt											1.0000	5.27	5.27	5.27
Fertigation				1.00	Sep										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											9.0000	15.61	140.49	140.49
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Azatin EC	oz											14.0000	5.21	72.94	72.94
Pyrethrins	oz											16.0000	3.12	49.92	49.92
Fertigation				3.00	Sep										
FERTIGATION LABOR	hour									3.00	25.23				25.23
Liquid Fish Fert.	gal											27.0000	15.61	421.47	421.47

(continued)

Table 28.A Estimated resource use and costs for field operations, per acre
 Organic - Pumpkin, wholesale/freshmarket, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009 (continued)

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST	
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Sep	2.54	1.41	9.50	18.87	0.24	2.68					35.00
Azatin EC	oz											14.0000	5.21	72.94		72.94
Neem Oil	pt											1.0000	5.27	5.27		5.27
Fertigation				1.00	Oct											
FERTIGATION LABOR	hour									1.00	8.41					8.41
Liquid Fish Fert.	gal											9.0000	15.61	140.49		140.49
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	3.00	Oct	2.79	1.55	0.08	0.16	0.54	5.22					9.80
HARVEST LABOR	hour									90.00	756.90					756.90
Pallet Crates-1000lb each												123.0000	12.00	1476.00		1476.00
Mulch Lifter	1 Row	2WD 75 hp	0.589	1.00	Nov	6.10	3.38	0.12	2.60	0.58	6.43					18.63
LABOR MULCH CLEANUP	hour									15.00	126.15					126.15
Irrigation Setup	acre				Jul							1.0000				451.69
TOTALS						73.46	40.69	63.78	131.14	125.94	1076.97			4291.17		6128.90
INTEREST ON OPERATING CAPITAL																91.12
UNALLOCATED LABOR																15.53
TOTAL SPECIFIED COST																6235.55

Note: Cost of production estimates are based on 2008 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.

Make sure all inputs are allowed by your licensing agency.

Table 28.B Estimated costs per acre
 Organic - Pumpkin, wholesale/freshmarket, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.1633	6.21	_____
Chicken Litter	ton	9.33	2.0000	18.66	_____
Liquid Fish Fert.	gal	15.61	99.0000	1545.39	_____
FUNGICIDE					
Neem Oil	pt	5.27	3.0000	15.81	_____
INSECTICIDE					
Azatin EC	oz	5.21	42.0000	218.82	_____
Pyrethrins	oz	3.12	32.0000	99.84	_____
SEED/PLANTS					
Pumpkin Sd - Organic	lb	62.12	1.5000	93.18	_____
OTHER					
Plastic Mulch	roll	162.00	1.4000	226.80	_____
Pallet Crates-1000lb	each	12.00	123.0000	1476.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	0.9000	140.40	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	10.91	7.0988	77.46	_____
HARVEST LABOR					
Special Labor	hour	8.41	90.0000	756.90	_____
HAND LABOR					
Implements	hour	8.41	2.8481	23.95	_____
FERTIGATION LABOR					
Special Labor	hour	8.41	11.0000	92.51	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.41	15.0000	126.15	_____
UNALLOCATED LABOR					
	hour	10.93	1.4197	15.53	_____
DIESEL FUEL					
Tractors	gal	2.46	27.4043	67.41	_____
REPAIR & MAINTENANCE					
Implements	acre	63.78	1.0000	63.78	_____
Tractors	acre	6.05	1.0000	6.05	_____
INTEREST ON OP. CAP.	acre	91.12	1.0000	91.12	_____
TOTAL DIRECT EXPENSES				5612.03	_____
FIXED EXPENSES					
Implements	acre	131.14	1.0000	131.14	_____
Tractors	acre	40.69	1.0000	40.69	_____
Irrigation Setup	acre	451.69	1.0000	451.69	_____
TOTAL FIXED EXPENSES				623.52	_____
TOTAL SPECIFIED EXPENSES				6235.55	_____

Note: Cost of production estimates are based on 2008 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.

Make sure all inputs are allowed by your licensing agency.

Table 28.C Estimated monthly income and expense flows per acre
 Organic - Pumpkin, wholesale/freshmarket, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009

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	24.87	0.00	421.47	421.47	561.96	140.49	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	10.54	5.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	122.86	0.00	195.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	93.18	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	1476.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	140.40	450.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	15.97	9.98	89.81	31.67	40.08	771.12	133.87	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	11.59	7.24	31.10	4.66	4.66	2.56	5.60	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	1.71	2.28	26.07	19.42	19.42	0.31	0.62	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.89	11.60	30.85	9.77	12.41	23.90	0.70	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	56.03	398.30	1265.40	497.53	839.60	2414.38	140.79	0.00	0.00	0.00	0.00	0.00
NET INCOME	-56.03	-398.30	-1265.40	-497.53	-839.60	-2414.38	-140.79	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-56.03	-454.33	-1719.73	-2217.26	-3056.86	-5471.24	-5612.03	-5612.03	-5612.03	-5612.03	-5612.03	-5612.03

Note: Cost of production estimates are based on 2008 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.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 28.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Pumpkin, wholesale/freshmarket, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009

			-----BREAKEVEN PRICE-----										
Pumpkin			0.10	0.10	0.11	0.12	0.13	0.15	0.16	0.19	0.21	0.25	0.30
PERCENT	YIELD	UNIT	-----dollars-----										
50	20500.00	lb	-3533	-3385	-3213	-3013	-2777	-2494	-2147	-1714	-1158	-415	623
			-4157	-4008	-3837	-3637	-3401	-3117	-2771	-2338	-1781	-1039	0
60	24600.00	lb	-3117	-2939	-2734	-2494	-2210	-1870	-1454	-935	-267	623	1870
			-3741	-3563	-3357	-3117	-2834	-2494	-2078	-1558	-890	0	1247
70	28700.00	lb	-2702	-2494	-2254	-1974	-1643	-1247	-762	-155	623	1662	3117
			-3325	-3117	-2877	-2598	-2267	-1870	-1385	-779	0	1039	2494
80	32800.00	lb	-2286	-2048	-1774	-1454	-1077	-623	-69	623	1514	2702	4364
			-2909	-2672	-2398	-2078	-1700	-1247	-692	0	890	2078	3741
90	36900.00	lb	-1870	-1603	-1295	-935	-510	-0	623	1402	2405	3741	5611
			-2494	-2226	-1918	-1558	-1133	-623	0	779	1781	3117	4988
100	41000.00	lb	-1454	-1158	-815	-415	56	623	1316	2182	3295	4780	6859
			-2078	-1781	-1438	-1039	-566	0	692	1558	2672	4157	6235
110	45100.00	lb	-1039	-712	-335	103	623	1247	2009	2961	4186	5819	8106
			-1662	-1336	-959	-519	0	623	1385	2338	3563	5196	7482
120	49200.00	lb	-623	-267	143	623	1190	1870	2702	3741	5077	6859	9353
			-1247	-890	-479	0	566	1247	2078	3117	4453	6235	8729
130	53300.00	lb	-207	178	623	1143	1757	2494	3394	4520	5968	7898	10600
			-831	-445	0	519	1133	1870	2771	3897	5344	7274	9976
140	57400.00	lb	207	623	1103	1662	2324	3117	4087	5300	6859	8937	11847
			-415	0	479	1039	1700	2494	3464	4676	6235	8314	11223
150	61500.00	lb	623	1068	1582	2182	2890	3741	4780	6079	7749	9976	13094
			0	445	959	1558	2267	3117	4157	5456	7126	9353	12471

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 2008 input prices.

Table 29.A Estimated resource use and costs for field operations, per acre
Organic - Snap beans, fresh market - hand harvest
Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Manure Spreader	50bu	2WD 75 hp	1.000	1.00	Feb	10.35	5.73	0.11	1.48	1.00	10.91				28.58
Chicken Litter	ton											1.0000	9.33	9.33	9.33
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Feb	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed	2 Row	2WD 75 hp	0.284	1.00	Feb	2.94	1.63	0.19	0.83	0.28	3.10				8.69
Cultivate	2 Row	2WD 75 hp	0.390	1.00	Feb	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Mar	4.11	2.27	6.47	11.97	0.39	4.33				29.15
Snap Beans - Organic	lb											70.0000	8.00	560.00	560.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Mar	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Pyrethrins	oz											32.0000	3.12	99.84	99.84
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Mar	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Kocide DF	lb											2.0000	3.42	6.84	6.84
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Kocide DF	lb											4.0000	3.42	13.68	13.68
Cultivator - Rolling	2 Row	2WD 75 hp	0.310	1.00	Apr	3.21	1.78	0.70	3.76	0.31	3.39				12.84
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Kocide DF	lb											4.0000	3.42	13.68	13.68
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	1.00	May	0.93	0.52	0.03	0.05	0.18	1.74				3.27
HARVEST LABOR	hour			1.00	May					150.00	1261.50				1261.50
Bushel Box	each			1.00	May							200.0000	1.20	240.00	240.00
Load Conveyor S Bean				1.00	May										
GRD LABOR S. BEANS	hour									20.00	168.20				168.20
Cooling Snap Beans	bu box			1.00	May							200.0000	0.75	150.00	150.00
R.B.ConveySnapBeans	each			1.00	May				3.31			0.0200			3.31
Application 1	bu							79.68		40.00	336.40	200.0000			416.08
Rot.Pk Table S Beans	each			1.00	May				2.80			0.0200			2.80
Application 1	bu							6.38		2.00	16.82	200.0000			23.20
TOTALS						49.75	27.54	162.25	162.50	216.89	1836.14			1112.18	3350.36
INTEREST ON OPERATING CAPITAL															24.91
UNALLOCATED LABOR															10.50
TOTAL SPECIFIED COST															3385.77

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 29.B Estimated costs per acre
 Organic - Snap beans, fresh market - hand harvest
 Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Chicken Litter	ton	9.33	1.0000	9.33	_____
FUNGICIDE					
Kocide DF	lb	3.42	10.0000	34.20	_____
INSECTICIDE					
Pyrethrins	oz	3.12	32.0000	99.84	_____
SEED/PLANTS					
Snap Beans - Organic	lb	8.00	70.0000	560.00	_____
OTHER					
Bushel Box	each	1.20	200.0000	240.00	_____
Cooling Snap Beans	bu box	0.75	200.0000	150.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	4.8077	52.46	_____
HARVEST LABOR					
Special Labor	hour	8.41	150.0000	1261.50	_____
HAND LABOR					
Implements	hour	8.41	0.0900	0.76	_____
GRD LABOR S. BEANS					
Special Labor	hour	8.41	20.0000	168.20	_____
R.B.ConveySnapBeans	hour	8.41	40.0000	336.40	_____
Rot.Pk Table S Beans	hour	8.41	2.0000	16.82	_____
UNALLOCATED LABOR	hour	10.91	0.9615	10.50	_____
DIESEL FUEL					
Tractors	gal	2.46	18.5596	45.65	_____
REPAIR & MAINTENANCE					
Implements	acre	76.19	1.0000	76.19	_____
Tractors	acre	4.10	1.0000	4.10	_____
R.B.ConveySnapBeans	bu	0.39	200.0000	79.68	_____
Rot.Pk Table S Beans	bu	0.03	200.0000	6.38	_____
INTEREST ON OP. CAP.	acre	24.91	1.0000	24.91	_____
TOTAL DIRECT EXPENSES				3195.73	_____
FIXED EXPENSES					
Implements	acre	156.39	1.0000	156.39	_____
Tractors	acre	27.54	1.0000	27.54	_____
R.B.ConveySnapBeans	each	165.69	0.0200	3.31	_____
Rot.Pk Table S Beans	each	139.86	0.0200	2.80	_____
TOTAL FIXED EXPENSES				190.04	_____
TOTAL SPECIFIED EXPENSES				3385.77	_____

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 29.C Estimated monthly income and expense flows per acre
Organic - Snap beans, fresh market - hand harvest
Mississippi, 2009

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	28.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	6.84	27.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	99.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	560.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	390.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	30.00	14.85	16.93	1784.86	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	21.77	10.76	12.27	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	4.44	35.94	39.80	86.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.69	10.93	0.98	11.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	86.04	739.16	97.34	2273.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-86.04	-739.16	-97.34	-2273.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-86.04	-825.20	-922.54	-3195.73	-3195.73	-3195.73	-3195.73	-3195.73	-3195.73	-3195.73	-3195.73	-3195.73

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 29.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Snap beans, fresh market - hand harvest
 Mississippi, 2009

			-----BREAKEVEN PRICE-----										
Snap Beans			11.68	12.43	13.30	14.30	15.49	16.92	18.67	20.85	23.66	27.41	32.65
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	30lb	-1906	-1831	-1745	-1644	-1525	-1382	-1207	-989	-708	-334	190
			-2096	-2021	-1935	-1834	-1715	-1572	-1397	-1179	-898	-524	0
60	120.00	30lb	-1696	-1606	-1503	-1382	-1239	-1067	-858	-596	-259	190	818
			-1886	-1796	-1693	-1572	-1429	-1257	-1048	-786	-449	0	628
70	140.00	30lb	-1487	-1382	-1261	-1120	-953	-753	-508	-203	190	714	1447
			-1677	-1572	-1451	-1310	-1143	-943	-698	-393	0	524	1257
80	160.00	30lb	-1277	-1157	-1019	-858	-667	-438	-159	190	639	1238	2076
			-1467	-1347	-1209	-1048	-857	-628	-349	0	449	1048	1886
90	180.00	30lb	-1067	-933	-777	-596	-381	-124	190	583	1088	1762	2705
			-1257	-1123	-967	-786	-571	-314	0	393	898	1572	2515
100	200.00	30lb	-858	-708	-535	-334	-95	190	539	976	1537	2286	3334
			-1048	-898	-725	-524	-285	0	349	786	1347	2096	3144
110	220.00	30lb	-648	-483	-293	-72	190	504	888	1369	1986	2810	3963
			-838	-673	-483	-262	0	314	698	1179	1796	2620	3773
120	240.00	30lb	-438	-259	-51	190	475	818	1238	1762	2436	3334	4592
			-628	-449	-241	0	285	628	1048	1572	2246	3144	4402
130	260.00	30lb	-229	-34	190	452	761	1133	1587	2155	2885	3858	5221
			-419	-224	0	262	571	943	1397	1965	2695	3668	5031
140	280.00	30lb	-19	190	431	714	1047	1447	1937	2548	3334	4382	5850
			-209	0	241	524	857	1257	1746	2358	3144	4192	5660
150	300.00	30lb	190	414	673	976	1333	1762	2286	2941	3783	4906	6479
			0	224	483	786	1143	1572	2096	2751	3593	4716	6289

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 2008 input prices.

Table 30.A Estimated resource use and costs for field operations, per acre
Organic - Snap beans, fresh market-mechanical harvest
Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Manure Spreader	50bu	2WD 50 hp	1.000	1.00	Feb	6.91	3.93	0.11	1.48	1.00	10.91				23.34
Chicken Litter	ton											1.0000	9.33	9.33	9.33
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Feb	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed	2 Row	2WD 75 hp	0.284	1.00	Feb	2.94	1.63	0.19	0.83	0.28	3.10				8.69
Cultivate	2 Row	2WD 75 hp	0.390	1.00	Feb	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Mar	4.11	2.27	6.47	11.97	0.39	4.33				29.15
Snap Beans - Organic	lb											70.0000	8.00	560.00	560.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Mar	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Pyrethrins	oz											32.0000	3.12	99.84	99.84
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Mar	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Kocide DF	lb											2.0000	3.42	6.84	6.84
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Kocide DF	lb											4.0000	3.42	13.68	13.68
Cultivator - Rolling	2 Row	2WD 75 hp	0.310	1.00	Apr	3.21	1.78	0.70	3.76	0.31	3.39				12.84
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Kocide DF	lb											4.0000	3.42	13.68	13.68
Picker Beans/Peas	1 Row	2WD 75 hp	3.571	1.00	May	36.95	20.46	40.36	38.92	10.71	99.03				235.72
Bushel Box	each											150.0000	1.20	180.00	180.00
Trailer - Snap Bean	16 ft	2WD 50 hp	3.571	1.00	May	24.69	14.02	1.22	2.33	7.14	69.00				111.26
Load Conveyor S Bean				1.00	May										
GRD LABOR S. BEANS	hour									20.00	168.20				168.20
Cooling Snap Beans	bu box			1.00	May							200.0000	0.75	150.00	150.00
R.B.ConveySnapBeans	each			1.00	May				3.31			0.0200			3.31
Application 1	bu							79.68		40.00	336.40	200.0000			416.08
Rot.Pk Table S Beans	each			1.00	May				2.80			0.0200			2.80
Application 1	bu							6.38		2.00	16.82	200.0000			23.20
TOTALS						107.02	59.70	203.80	203.70	84.57	740.93			1052.18	2367.33
INTEREST ON OPERATING CAPITAL															19.65
UNALLOCATED LABOR															25.88
TOTAL SPECIFIED COST															2412.86

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 30.B Estimated costs per acre
 Organic - Snap beans, fresh market-mechanical harvest
 Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Chicken Litter	ton	9.33	1.0000	9.33	_____
FUNGICIDE					
Kocide DF	lb	3.42	10.0000	34.20	_____
INSECTICIDE					
Pyrethrins	oz	3.12	32.0000	99.84	_____
SEED/PLANTS					
Snap Beans - Organic	lb	8.00	70.0000	560.00	_____
OTHER					
Bushel Box	each	1.20	150.0000	180.00	_____
Cooling Snap Beans	bu box	0.75	200.0000	150.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	11.8605	129.40	_____
HAND LABOR					
Implements	hour	8.41	10.7142	90.11	_____
GRD LABOR S. BEANS					
Special Labor	hour	8.41	20.0000	168.20	_____
R.B.ConveySnapBeans	hour	8.41	40.0000	336.40	_____
Rot.Pk Table S Beans	hour	8.41	2.0000	16.82	_____
UNALLOCATED LABOR	hour	10.91	2.3721	25.88	_____
DIESEL FUEL					
Tractors	gal	2.46	39.9040	98.16	_____
REPAIR & MAINTENANCE					
Implements	acre	117.74	1.0000	117.74	_____
Tractors	acre	8.86	1.0000	8.86	_____
R.B.ConveySnapBeans	bu	0.39	200.0000	79.68	_____
Rot.Pk Table S Beans	bu	0.03	200.0000	6.38	_____
INTEREST ON OP. CAP.	acre	19.65	1.0000	19.65	_____
TOTAL DIRECT EXPENSES				2149.46	_____
FIXED EXPENSES					
Implements	acre	197.59	1.0000	197.59	_____
Tractors	acre	59.70	1.0000	59.70	_____
R.B.ConveySnapBeans	each	165.69	0.0200	3.31	_____
Rot.Pk Table S Beans	each	139.86	0.0200	2.80	_____
TOTAL FIXED EXPENSES				263.40	_____
TOTAL SPECIFIED EXPENSES				2412.86	_____

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 30.C Estimated monthly income and expense flows per acre
 Organic - Snap beans, fresh market-mechanical harvest
 Mississippi, 2009

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	28.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	6.84	27.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	99.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	560.00	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	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	30.00	14.85	16.93	705.03	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	18.60	10.76	12.27	56.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	4.17	35.94	39.80	132.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.62	10.93	0.98	6.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	82.53	739.16	97.34	1230.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-82.53	-739.16	-97.34	-1230.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-82.53	-821.69	-919.03	-2149.46	-2149.46	-2149.46	-2149.46	-2149.46	-2149.46	-2149.46	-2149.46	-2149.46

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 30.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Snap beans, fresh market-mechanical harvest
 Mississippi, 2009

Snap Beans			-----BREAKEVEN PRICE-----										
			11.12	11.83	12.65	13.60	14.73	16.08	17.73	19.80	22.46	26.00	30.96
PERCENT	YIELD	UNIT	-----dollars-----										
50	75.00	30lb	-1224	-1171	-1110	-1038	-954	-852	-728	-573	-374	-108	263
			-1487	-1434	-1373	-1301	-1217	-1115	-991	-836	-637	-371	0
60	90.00	30lb	-1075	-1012	-938	-852	-751	-629	-480	-294	-55	263	709
			-1339	-1275	-1201	-1115	-1014	-892	-743	-557	-318	0	446
70	105.00	30lb	-926	-852	-766	-666	-548	-406	-232	-15	263	635	1156
			-1190	-1115	-1030	-929	-811	-669	-495	-278	0	371	892
80	120.00	30lb	-778	-693	-595	-480	-345	-182	15	263	582	1007	1602
			-1041	-956	-858	-743	-608	-446	-247	0	318	743	1339
90	135.00	30lb	-629	-533	-423	-294	-142	40	263	542	901	1379	2048
			-892	-797	-686	-557	-405	-223	0	278	637	1115	1785
100	150.00	30lb	-480	-374	-251	-108	60	263	511	821	1219	1751	2495
			-743	-637	-515	-371	-202	0	247	557	956	1487	2231
110	165.00	30lb	-331	-214	-79	77	263	486	759	1100	1538	2123	2941
			-595	-478	-343	-185	0	223	495	836	1275	1859	2678
120	180.00	30lb	-182	-55	91	263	466	709	1007	1379	1857	2495	3388
			-446	-318	-171	0	202	446	743	1115	1594	2231	3124
130	195.00	30lb	-34	103	263	449	669	932	1255	1658	2176	2867	3834
			-297	-159	0	185	405	669	991	1394	1913	2603	3571
140	210.00	30lb	114	263	435	635	872	1156	1503	1937	2495	3239	4280
			-148	0	171	371	608	892	1239	1673	2231	2975	4017
150	225.00	30lb	263	422	606	821	1075	1379	1751	2216	2814	3611	4727
			0	159	343	557	811	1115	1487	1952	2550	3347	4463

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 2008 input prices.

Table 31.A Estimated resource use and costs for field operations, per acre
Organic - Southern peas, fresh market - hand harvest
Mississippi, 2009

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	38.00	18.81	18.81
Sub-Soiler	2 Shank	2WD 75 hp	0.404	1.00	Feb	4.18	2.32	0.89	2.49	0.40	4.41				14.29
Manure Spreader	50bu	2WD 75 hp	1.000	1.00	Feb	10.35	5.73	0.11	1.48	1.00	10.91				28.58
Chicken Litter	ton											1.0000	9.33	9.33	9.33
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Mar	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed	2 Row	2WD 75 hp	0.284	1.00	Mar	2.94	1.63	0.19	0.83	0.28	3.10				8.69
Cultivate	2 Row	2WD 75 hp	0.390	1.00	Apr	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Apr	4.11	2.27	6.47	11.97	0.39	4.33				29.15
S. Peas - Organic	lb											10.0000	33.00	330.00	330.00
Cultivate	2 Row	2WD 75 hp	0.390	1.00	Apr	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Pyrethrins	oz											16.0000	3.12	49.92	49.92
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	3.00	May	7.63	4.22	28.49	56.62	0.73	8.04				105.00
Dipel ES	pt											3.0000	4.26	12.78	12.78
Cultivator - Rolling	2 Row	2WD 75 hp	0.310	1.00	May	3.21	1.78	0.70	3.76	0.31	3.39				12.84
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	3.00	May	2.79	1.55	0.08	0.16	0.54	5.22				9.80
HARVEST LABOR	hour			1.00	May					75.00	630.75				630.75
5-Gal Bucket	each											20.0000	3.00	60.00	60.00
Sheller S. Peas	each			1.00	May				7.18			0.0200			7.18
100/10 lb bg S. Peas	acre							0.24		6.00	50.46	1.0000			50.70
R.B.Convey S. Peas	each			1.00	May				3.31			0.0200			3.31
Rot.Pk.Table S Peas	each			1.00	May				2.80			0.0200			2.80
Application 1	acre							0.13		3.00	25.23	1.0000			25.36
Bag Sealer S. Peas	each			1.00	May				0.98			0.0200			0.98
Application 1	acre							0.61		0.10	0.84	1.0000			1.45
TOTALS						49.94	27.66	49.45	117.71	89.19	762.21			480.84	1487.81
INTEREST ON OPERATING CAPITAL															10.12
UNALLOCATED LABOR															10.54
TOTAL SPECIFIED COST															1508.47

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 31.B Estimated costs per acre
 Organic - Southern peas, fresh market - hand harvest
 Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Chicken Litter	ton	9.33	1.0000	9.33	_____
INSECTICIDE					
Pyrethrins	oz	3.12	16.0000	49.92	_____
Dipel ES	pt	4.26	3.0000	12.78	_____
SEED/PLANTS					
S. Peas - Organic	lb	33.00	10.0000	330.00	_____
OTHER					
5-Gal Bucket	each	3.00	20.0000	60.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	4.8257	52.66	_____
HARVEST LABOR					
Special Labor	hour	8.41	75.0000	630.75	_____
HAND LABOR					
Implements	hour	8.41	0.2700	2.27	_____
GRD LABOR S. PEAS					
Rot.Pk.Table S Peas	hour	8.41	3.0000	25.23	_____
Bag Sealer S. Peas	hour	8.41	0.1000	0.84	_____
Sheller S. Peas	hour	8.41	6.0000	50.46	_____
UNALLOCATED LABOR	hour	10.92	0.9651	10.54	_____
DIESEL FUEL					
Tractors	gal	2.46	18.6294	45.84	_____
REPAIR & MAINTENANCE					
Implements	acre	48.47	1.0000	48.47	_____
Tractors	acre	4.10	1.0000	4.10	_____
Rot.Pk.Table S Peas	acre	0.12	1.0000	0.13	_____
Bag Sealer S. Peas	acre	0.60	1.0000	0.61	_____
Sheller S. Peas	acre	0.24	1.0000	0.24	_____
INTEREST ON OP. CAP.	acre	10.12	1.0000	10.12	_____
TOTAL DIRECT EXPENSES				1363.10	_____
FIXED EXPENSES					
Implements	acre	103.44	1.0000	103.44	_____
Tractors	acre	27.66	1.0000	27.66	_____
R.B.Convey S. Peas	each	165.69	0.0200	3.31	_____
Rot.Pk.Table S Peas	each	139.86	0.0200	2.80	_____
Bag Sealer S. Peas	each	48.83	0.0200	0.98	_____
Sheller S. Peas	each	359.09	0.0200	7.18	_____
TOTAL FIXED EXPENSES				145.37	_____
TOTAL SPECIFIED EXPENSES				1508.47	_____

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 31.C Estimated monthly income and expense flows per acre
 Organic - Southern peas, fresh market - hand harvest
 Mississippi, 2009

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	18.81	9.33	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	49.92	12.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	18.38	8.92	18.64	726.81	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	13.34	6.47	13.52	12.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	2.19	1.99	18.00	31.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.47	0.87	0.26	4.31	4.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	19.28	44.11	17.64	434.39	847.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-19.28	-44.11	-17.64	-434.39	-847.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-19.28	-63.39	-81.03	-515.42	-1363.10	-1363.10	-1363.10	-1363.10	-1363.10	-1363.10	-1363.10	-1363.10

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 31.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Southern peas, fresh market - hand harvest
 Mississippi, 2009

Southern Peas			-----BREAKEVEN PRICE-----										
			10.05	10.77	11.60	12.57	13.71	15.08	16.76	18.85	21.54	25.14	30.16
PERCENT	YIELD	UNIT	-----dollars-----										
50	50.00	101b	-860	-824	-782	-734	-677	-608	-525	-420	-285	-106	145
			-1005	-969	-928	-879	-822	-754	-670	-565	-430	-251	0
60	60.00	101b	-759	-716	-666	-608	-540	-458	-357	-231	-70	145	447
			-905	-861	-812	-754	-685	-603	-502	-377	-215	0	301
70	70.00	101b	-659	-608	-550	-483	-403	-307	-189	-43	145	396	748
			-804	-754	-696	-628	-548	-452	-335	-188	0	251	603
80	80.00	101b	-558	-501	-434	-357	-266	-156	-22	145	360	648	1050
			-703	-646	-580	-502	-411	-301	-167	0	215	502	905
90	90.00	101b	-458	-393	-318	-231	-128	-5	145	333	576	899	1352
			-603	-538	-464	-377	-274	-150	0	188	430	754	1206
100	100.00	101b	-357	-285	-202	-106	8	145	312	522	791	1151	1653
			-502	-430	-348	-251	-137	0	167	377	646	1005	1508
110	110.00	101b	-256	-177	-86	19	145	296	480	711	1007	1402	1955
			-402	-323	-232	-125	0	150	335	565	861	1257	1810
120	120.00	101b	-156	-70	29	145	282	447	648	899	1222	1653	2257
			-301	-215	-116	0	137	301	502	754	1077	1508	2111
130	130.00	101b	-55	37	145	271	419	597	815	1088	1438	1905	2558
			-201	-107	0	125	274	452	670	942	1292	1759	2413
140	140.00	101b	44	145	261	396	556	748	983	1276	1653	2156	2860
			-100	0	116	251	411	603	838	1131	1508	2011	2715
150	150.00	101b	145	253	377	522	693	899	1151	1465	1869	2408	3162
			0	107	232	377	548	754	1005	1319	1723	2262	3016

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 2008 input prices.

Table 32.A Estimated resource use and costs for field operations, per acre
Organic-Southern peas, fresh market-mechanical harvest
Mississippi, 2009

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	38.00	18.81	18.81
Sub-Soiler	2 Shank	2WD 75 hp	0.404	1.00	Feb	4.18	2.32	0.89	2.49	0.40	4.41				14.29
Manure Spreader	50bu	2WD 50 hp	1.000	1.00	Feb	6.91	3.93	0.11	1.48	1.00	10.91				23.34
Chicken Litter	ton											1.0000	9.33	9.33	9.33
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Mar	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed	2 Row	2WD 75 hp	0.284	1.00	Mar	2.94	1.63	0.19	0.83	0.28	3.10				8.69
Cultivate	2 Row	2WD 75 hp	0.390	1.00	Apr	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Apr	4.11	2.27	6.47	11.97	0.39	4.33				29.15
S. Peas - Organic	lb											10.0000	33.00	330.00	330.00
Cultivate	2 Row	2WD 75 hp	0.390	1.00	Apr	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Pyrethrins	oz											16.0000	3.12	49.92	49.92
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	3.00	May	7.63	4.22	28.49	56.62	0.73	8.04				105.00
Dipel ES	pt											3.0000	4.26	12.78	12.78
Cultivator - Rolling	2 Row	2WD 75 hp	0.310	1.00	May	3.21	1.78	0.70	3.76	0.31	3.39				12.84
Picker Beans/Peas	1 Row	2WD 75 hp	3.571	1.00	May	36.95	20.46	40.36	38.92	10.71	99.03				235.72
Sacks - S Peas	each											75.0000	0.65	48.75	48.75
Trailer-Southern Pea	16 ft	2WD 50 hp	3.571	1.00	May	24.69	14.02	1.22	2.33	7.14	69.00				111.26
Sheller S. Peas	each			1.00	May				7.18			0.0200			7.18
64/10 lb bg S. Peas	acre							0.24		6.00	50.46	1.0000			50.70
R.B.Convey S. Peas	each			1.00	May				3.31			0.0200			3.31
Rot.Pk.Table S Peas	each			1.00	May				2.80			0.0200			2.80
Application 1	acre							0.13		3.00	25.23	1.0000			25.36
Bag Sealer S. Peas	each			1.00	May				0.98			0.0200			0.98
Application 1	acre							0.61		0.10	0.84	1.0000			1.45
TOTALS						105.35	58.79	90.95	158.80	31.51	294.27			469.59	1177.75
INTEREST ON OPERATING CAPITAL															8.23
UNALLOCATED LABOR															25.53
TOTAL SPECIFIED COST															1211.51

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 32.B Estimated costs per acre
Organic-Southern peas, fresh market-mechanical harvest
Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Chicken Litter	ton	9.33	1.0000	9.33	_____
INSECTICIDE					
Pyrethrins	oz	3.12	16.0000	49.92	_____
Dipel ES	pt	4.26	3.0000	12.78	_____
SEED/PLANTS					
S. Peas - Organic	lb	33.00	10.0000	330.00	_____
OTHER					
Sacks - S Peas	each	0.65	75.0000	48.75	_____
OPERATOR LABOR					
Tractors	hour	10.91	11.6986	127.63	_____
HAND LABOR					
Implements	hour	8.41	10.7142	90.11	_____
GRD LABOR S. PEAS					
Rot.Pk.Table S Peas	hour	8.41	3.0000	25.23	_____
Bag Sealer S. Peas	hour	8.41	0.1000	0.84	_____
Sheller S. Peas	hour	8.41	6.0000	50.46	_____
UNALLOCATED LABOR	hour	10.91	2.3397	25.53	_____
DIESEL FUEL					
Tractors	gal	2.46	39.2789	96.64	_____
REPAIR & MAINTENANCE					
Implements	acre	89.97	1.0000	89.97	_____
Tractors	acre	8.71	1.0000	8.71	_____
Rot.Pk.Table S Peas	acre	0.12	1.0000	0.13	_____
Bag Sealer S. Peas	acre	0.60	1.0000	0.61	_____
Sheller S. Peas	acre	0.24	1.0000	0.24	_____
INTEREST ON OP. CAP.	acre	8.23	1.0000	8.23	_____
TOTAL DIRECT EXPENSES				993.92	_____
FIXED EXPENSES					
Implements	acre	144.53	1.0000	144.53	_____
Tractors	acre	58.79	1.0000	58.79	_____
R.B.Convey S. Peas	each	165.69	0.0200	3.31	_____
Rot.Pk.Table S Peas	each	139.86	0.0200	2.80	_____
Bag Sealer S. Peas	each	48.83	0.0200	0.98	_____
Sheller S. Peas	each	359.09	0.0200	7.18	_____
TOTAL FIXED EXPENSES				217.59	_____
TOTAL SPECIFIED EXPENSES				1211.51	_____

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 32.C Estimated monthly income and expense flows per acre
 Organic-Southern peas, fresh market-mechanical harvest
 Mississippi, 2009

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	18.81	9.33	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	49.92	12.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	330.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	48.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	18.38	8.92	18.64	273.86	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	10.17	6.47	13.52	66.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	1.92	1.99	18.00	77.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.47	0.80	0.26	4.31	2.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	19.28	40.60	17.64	434.39	482.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-19.28	-40.60	-17.64	-434.39	-482.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-19.28	-59.88	-77.52	-511.91	-993.92	-993.92	-993.92	-993.92	-993.92	-993.92	-993.92	-993.92

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 32.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic-Southern peas, fresh market-mechanical harvest
 Mississippi, 2009

			-----BREAKEVEN PRICE-----										
Southern Peas			12.61	13.52	14.56	15.77	17.20	18.92	21.03	23.66	27.04	31.54	37.85
PERCENT	YIELD	UNIT	-----dollars-----										
50	32.00	101b	-590	-561	-527	-489	-443	-388	-320	-236	-128	15	217
			-807	-778	-745	-706	-660	-605	-538	-454	-346	-201	0
60	38.40	101b	-509	-474	-434	-388	-333	-267	-186	-85	44	217	459
			-726	-692	-652	-605	-550	-484	-403	-302	-173	0	242
70	44.80	101b	-428	-388	-341	-287	-222	-145	-51	66	217	419	702
			-646	-605	-559	-504	-440	-363	-269	-151	0	201	484
80	51.20	101b	-347	-301	-248	-186	-112	-24	82	217	390	621	944
			-565	-519	-465	-403	-330	-242	-134	0	173	403	726
90	57.60	101b	-267	-215	-155	-85	-2	96	217	369	563	823	1186
			-484	-432	-372	-302	-220	-121	0	151	346	605	969
100	64.00	101b	-186	-128	-61	15	107	217	352	520	736	1025	1429
			-403	-346	-279	-201	-110	0	134	302	519	807	1211
110	70.40	101b	-105	-42	31	116	217	338	486	671	909	1227	1671
			-323	-259	-186	-100	0	121	269	454	692	1009	1453
120	76.80	101b	-24	44	124	217	327	459	621	823	1082	1429	1913
			-242	-173	-93	0	110	242	403	605	865	1211	1696
130	83.20	101b	56	131	217	318	437	581	756	974	1256	1631	2156
			-161	-86	0	100	220	363	538	757	1038	1413	1938
140	89.60	101b	136	217	310	419	548	702	890	1126	1429	1832	2398
			-80	0	93	201	330	484	673	908	1211	1615	2180
150	96.00	101b	217	304	403	520	658	823	1025	1277	1602	2034	2640
			0	86	186	302	440	605	807	1060	1384	1817	2423

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 2008 input prices.

Table 33.A Estimated resource use and costs for field operations, per acre
 Organic - Squash - summer, fresh market, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Manure Spreader	50bu	2WD 75 hp	1.000	1.00	Feb	10.35	5.73	0.11	1.48	1.00	10.91				28.58
Chicken Litter	ton											2.0000	9.33	18.66	18.66
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Mar	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed	2 Row	2WD 75 hp	0.284	1.00	Mar	2.94	1.63	0.19	0.83	0.28	3.10				8.69
BS.lay/tape/Squash	5ftctr	2WD 75 hp	1.294	1.00	Mar	13.39	7.41	2.18	7.10	1.29	14.12				44.20
Plastic Mulch	roll											2.2000	162.00	356.40	356.40
Drip Tape	roll											1.5000	156.00	234.00	234.00
Plntr/H20/pnch/seed	1 Row	2WD 75 hp	2.578	1.00	Apr	26.67	14.77	4.14	7.79	5.15	49.81				103.18
Squash Sd - Organic	lb											2.0000	170.00	340.00	340.00
Irrigation				1.00	Apr										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Fertigation				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											9.0000	15.61	140.49	140.49
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Azatin EC	oz											14.0000	5.21	72.94	72.94
Fertigation				2.00	Apr										
FERTIGATION LABOR	hour									2.00	16.82				16.82
Liquid Fish Fert.	gal											18.0000	15.61	280.98	280.98
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Neem Oil	pt											1.0000	5.27	5.27	5.27
Fertigation				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											9.0000	15.61	140.49	140.49
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Azatin EC	oz											28.0000	5.21	145.88	145.88
Neem Oil	pt											2.0000	5.27	10.54	10.54
Fertigation				4.00	May										
FERTIGATION LABOR	hour									4.00	33.64				33.64
Liquid Fish Fert.	gal											36.0000	15.61	561.96	561.96
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	10.00	Jun	9.31	5.16	0.27	0.53	1.80	17.39				32.66
HARVEST LABOR	hour			1.00	Jun					100.00	841.00				841.00
5-Gal Bucket	each											200.0000	3.00	600.00	600.00
Bushel Box	each											250.0000	1.20	300.00	300.00
GRADE & PACK LABOR	hour			10.00	Jun					110.00	925.10				925.10
Mulch Lifter	1 Row	2WD 75 hp	0.589	1.00	Jun	6.10	3.38	0.12	2.60	0.58	6.43				18.63
LABOR MULCH CLEANUP	hour											15.00			126.15
Irrigation Setup	acre				Apr							1.0000			463.70
TOTALS						85.31	47.24	46.79	99.82	244.72	2078.74			3676.48	6498.08
INTEREST ON OPERATING CAPITAL															61.14
UNALLOCATED LABOR															18.00
TOTAL SPECIFIED COST															6577.22

Note: Cost of production estimates are based on 2008 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.

Make sure all inputs are allowed by your licensing agency.

Table 33.B Estimated costs per acre
 Organic - Squash - summer, fresh market, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Chicken Litter	ton	9.33	2.0000	18.66	_____
Liquid Fish Fert.	gal	15.61	72.0000	1123.92	_____
FUNGICIDE					
Neem Oil	pt	5.27	3.0000	15.81	_____
INSECTICIDE					
Azatin EC	oz	5.21	42.0000	218.82	_____
SEED/PLANTS					
Squash Sd - Organic	lb	170.00	2.0000	340.00	_____
OTHER					
Plastic Mulch	roll	162.00	2.2000	356.40	_____
5-Gal Bucket	each	3.00	200.0000	600.00	_____
Bushel Box	each	1.20	250.0000	300.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	1.5000	234.00	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	10.91	8.2447	89.96	_____
HARVEST LABOR					
Special Labor	hour	8.41	100.0000	841.00	_____
GRADE & PACK LABOR					
Special Labor	hour	8.41	110.0000	925.10	_____
HAND LABOR					
Implements	hour	8.41	3.4781	29.25	_____
FERTIGATION LABOR					
Special Labor	hour	8.41	8.0000	67.28	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.41	15.0000	126.15	_____
UNALLOCATED LABOR					
	hour	10.91	1.6489	18.00	_____
DIESEL FUEL					
Tractors	gal	2.46	31.8279	78.30	_____
REPAIR & MAINTENANCE					
Implements	acre	46.79	1.0000	46.79	_____
Tractors	acre	7.01	1.0000	7.01	_____
INTEREST ON OP. CAP.	acre	61.14	1.0000	61.14	_____

TOTAL DIRECT EXPENSES				5966.46	_____
FIXED EXPENSES					
Implements	acre	99.82	1.0000	99.82	_____
Tractors	acre	47.24	1.0000	47.24	_____
Irrigation Setup	acre	463.70	1.0000	463.70	_____

TOTAL FIXED EXPENSES				610.76	_____

TOTAL SPECIFIED EXPENSES				6577.22	_____

Note: Cost of production estimates are based on 2008 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.

Make sure all inputs are allowed by your licensing agency.

Table 33.C Estimated monthly income and expense flows per acre
 Organic - Squash - summer, fresh market, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2009

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	37.47	0.00	561.96	561.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	15.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	218.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	356.40	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	234.00	450.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	15.97	25.86	101.95	33.64	1919.32	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	11.59	18.76	33.80	0.00	14.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	1.71	5.27	45.17	0.00	1.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.67	12.81	26.52	5.96	14.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	68.41	653.10	1794.09	601.56	2849.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-68.41	-653.10	-1794.09	-601.56	-2849.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-68.41	-721.51	-2515.60	-3117.16	-5966.46	-5966.46	-5966.46	-5966.46	-5966.46	-5966.46	-5966.46	-5966.46

Note: Cost of production estimates are based on 2008 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.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 33.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Squash - summer, fresh market, irrigated
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Mississippi, 2009

			-----BREAKEVEN PRICE-----										
Squash			17.94	19.13	20.51	22.12	24.02	26.30	29.09	32.58	37.06	43.04	51.41
PERCENT	YIELD	UNIT	-----dollars-----										
50	125.00	421b	-3573	-3423	-3251	-3050	-2812	-2527	-2178	-1742	-1182	-435	610
			-4183	-4034	-3861	-3660	-3423	-3137	-2789	-2353	-1793	-1045	0
60	150.00	421b	-3154	-2975	-2768	-2527	-2241	-1899	-1481	-958	-285	610	1865
			-3765	-3586	-3379	-3137	-2852	-2510	-2091	-1568	-896	0	1255
70	175.00	421b	-2736	-2527	-2285	-2004	-1671	-1271	-783	-173	610	1656	3121
			-3347	-3137	-2896	-2614	-2282	-1882	-1394	-784	0	1045	2510
80	200.00	421b	-2317	-2078	-1802	-1481	-1100	-644	-86	610	1507	2702	4376
			-2928	-2689	-2413	-2091	-1711	-1255	-697	0	896	2091	3765
90	225.00	421b	-1899	-1630	-1320	-958	-530	-16	610	1395	2403	3748	5631
			-2510	-2241	-1930	-1568	-1141	-627	0	784	1793	3137	5020
100	250.00	421b	-1481	-1182	-837	-435	40	610	1308	2179	3300	4794	6886
			-2091	-1793	-1448	-1045	-570	0	697	1568	2689	4183	6275
110	275.00	421b	-1062	-734	-354	87	610	1238	2005	2964	4196	5840	8141
			-1673	-1344	-965	-522	0	627	1394	2353	3586	5229	7530
120	300.00	421b	-644	-285	128	610	1181	1865	2702	3748	5093	6886	9396
			-1255	-896	-482	0	570	1255	2091	3137	4482	6275	8786
130	325.00	421b	-226	162	610	1133	1751	2493	3399	4533	5989	7932	10651
			-836	-448	0	522	1141	1882	2789	3922	5379	7321	10041
140	350.00	421b	192	610	1093	1656	2322	3121	4097	5317	6886	8978	11907
			-418	0	482	1045	1711	2510	3486	4706	6275	8367	11296
150	375.00	421b	610	1059	1576	2179	2892	3748	4794	6102	7783	10024	13162
			0	448	965	1568	2282	3137	4183	5491	7172	9413	12551

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 2008 input prices.

Table 34.A Estimated resource use and costs for field operations, per acre
Organic - Sweet corn, fresh market hand harvest
Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Manure Spreader	50bu	2WD 75 hp	1.000	1.00	Feb	10.35	5.73	0.11	1.48	1.00	10.91				28.58
Chicken Litter	ton											2.0000	9.33	18.66	18.66
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Feb	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed	2 Row	2WD 75 hp	0.284	1.00	Mar	2.94	1.63	0.19	0.83	0.28	3.10				8.69
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Mar	4.11	2.27	6.47	11.97	0.39	4.33				29.15
Sweet Corn-Organic	lb											9.0000	15.00	135.00	135.00
Cultivate	2 Row	2WD 75 hp	0.390	1.00	Mar	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Cultivator - Rolling	2 Row	2WD 75 hp	0.310	1.00	Mar	3.21	1.78	0.70	3.76	0.31	3.39				12.84
Cultivate	2 Row	2WD 75 hp	0.390	1.00	Apr	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	7.00	May	17.78	9.85	66.49	132.11	1.71	18.75				244.98
Dipel ES	pt											7.0000	4.26	29.82	29.82
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	3.00	Jun	7.63	4.22	28.49	56.62	0.73	8.04				105.00
Dipel ES	pt											3.0000	4.26	12.78	12.78
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	1.00	Jun	0.93	0.52	0.03	0.05	0.18	1.74				3.27
HARVEST & PACK LABOR	hour			1.00	Jun					50.00	420.50				420.50
Crates - Sweet Corn	each			1.00	Jun							200.0000	1.25	250.00	250.00
Ice + Cooling	crate											200.0000	0.70	140.00	140.00
TOTALS						61.42	34.01	105.08	215.18	56.02	486.01			605.07	1506.77
INTEREST ON OPERATING CAPITAL															11.39
UNALLOCATED LABOR															12.96
TOTAL SPECIFIED COST															1531.12

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

Table 34.B Estimated costs per acre
 Organic - Sweet corn, fresh market hand harvest
 Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Chicken Litter	ton	9.33	2.0000	18.66	_____
INSECTICIDE					
Dipel ES	pt	4.26	10.0000	42.60	_____
SEED/PLANTS					
Sweet Corn-Organic	lb	15.00	9.0000	135.00	_____
OTHER					
Crates - Sweet Corn	each	1.25	200.0000	250.00	_____
Ice + Cooling	crate	0.70	200.0000	140.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	5.9349	64.75	_____
HAND LABOR					
Implements	hour	8.41	0.0900	0.76	_____
HARVEST & PACK LABOR					
Special Labor	hour	8.41	50.0000	420.50	_____
UNALLOCATED LABOR	hour	10.91	1.1869	12.96	_____
DIESEL FUEL					
Tractors	gal	2.46	22.9112	56.37	_____
REPAIR & MAINTENANCE					
Implements	acre	105.08	1.0000	105.08	_____
Tractors	acre	5.05	1.0000	5.05	_____
INTEREST ON OP. CAP.	acre	11.39	1.0000	11.39	_____
TOTAL DIRECT EXPENSES				1281.93	_____
FIXED EXPENSES					
Implements	acre	215.18	1.0000	215.18	_____
Tractors	acre	34.01	1.0000	34.01	_____
TOTAL FIXED EXPENSES				249.19	_____
TOTAL SPECIFIED EXPENSES				1531.12	_____

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.
 Make sure all inputs are allowed by your licensing agency.

Table 34.C Estimated monthly income and expense flows per acre
Organic - Sweet corn, fresh market hand harvest
Mississippi, 2009

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	18.81	18.66	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	0.00	29.82	12.78	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	390.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	21.17	18.10	5.11	22.50	432.09	0.00	0.00	0.00	0.00	0.00	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	15.36	13.13	3.71	16.32	7.85	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	3.27	8.94	0.74	67.95	29.23	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.56	1.46	3.51	0.14	1.37	4.35	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	19.37	59.92	178.68	9.70	137.96	876.30	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-19.37	-59.92	-178.68	-9.70	-137.96	-876.30	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-19.37	-79.29	-257.97	-267.67	-405.63	-1281.93	-1281.93	-1281.93	-1281.93	-1281.93	-1281.93	-1281.93

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 34.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Sweet corn, fresh market hand harvest
 Mississippi, 2009

Sweet Corn			-----BREAKEVEN PRICE-----										
			5.75	6.02	6.34	6.70	7.13	7.65	8.28	9.07	10.09	11.45	13.35
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	5doz	-510	-483	-451	-415	-372	-320	-257	-177	-76	59	249
			-759	-732	-701	-664	-621	-569	-506	-427	-325	-189	0
60	120.00	5doz	-434	-401	-364	-320	-268	-206	-130	-35	86	249	477
			-683	-650	-613	-569	-517	-455	-379	-284	-162	0	227
70	140.00	5doz	-358	-320	-276	-225	-165	-92	-3	106	249	439	704
			-607	-569	-525	-474	-414	-341	-253	-142	0	189	455
80	160.00	5doz	-282	-239	-188	-130	-61	21	122	249	411	628	932
			-531	-488	-438	-379	-310	-227	-126	0	162	379	683
90	180.00	5doz	-206	-157	-101	-35	42	135	249	391	574	818	1160
			-455	-406	-350	-284	-207	-113	0	142	325	569	911
100	200.00	5doz	-130	-76	-13	59	145	249	375	533	737	1008	1388
			-379	-325	-262	-189	-103	0	126	284	488	759	1139
110	220.00	5doz	-54	5	73	154	249	363	502	676	900	1198	1616
			-303	-244	-175	-94	0	113	253	427	650	949	1367
120	240.00	5doz	21	86	161	249	352	477	628	818	1062	1388	1844
			-227	-162	-87	0	103	227	379	569	813	1139	1594
130	260.00	5doz	97	167	249	344	456	590	755	961	1225	1578	2071
			-151	-81	0	94	207	341	506	711	976	1329	1822
140	280.00	5doz	173	249	336	439	559	704	882	1103	1388	1768	2299
			-75	0	87	189	310	455	632	854	1139	1518	2050
150	300.00	5doz	249	330	424	533	663	818	1008	1245	1551	1957	2527
			0	81	175	284	414	569	759	996	1301	1708	2278

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 2008 input prices.

Table 35.A Estimated resource use and costs for field operations, per acre
 Organic - Sweet corn, fresh market-train harvest
 shipping, Mississippi, 2009

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	38.00	18.81	18.81
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Manure Spreader	50bu	2WD 50 hp	1.000	1.00	Feb	6.91	3.93	0.11	1.48	1.00	10.91				23.34
Chicken Litter	ton											2.0000	9.33	18.66	18.66
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Feb	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Bed	2 Row	2WD 75 hp	0.284	1.00	Mar	2.94	1.63	0.19	0.83	0.28	3.10				8.69
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Mar	4.11	2.27	6.47	11.97	0.39	4.33				29.15
Sweet Corn-Organic	lb											9.0000	15.00	135.00	135.00
Cultivate	2 Row	2WD 75 hp	0.390	2.00	Mar	8.08	4.48	0.82	4.36	0.78	8.52				26.26
Cultivator - Rolling	2 Row	2WD 75 hp	0.310	1.00	Mar	3.21	1.78	0.70	3.76	0.31	3.39				12.84
Cultivator - Rolling	2 Row	2WD 75 hp	0.310	1.00	Apr	3.21	1.78	0.70	3.76	0.31	3.39				12.84
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	7.00	May	17.78	9.85	66.49	132.11	1.71	18.75				244.98
Dipel ES	pt											7.0000	4.26	29.82	29.82
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	3.00	Jun	7.63	4.22	28.49	56.62	0.73	8.04				105.00
Dipel ES	pt											3.0000	4.26	12.78	12.78
Mule Train (Corn)	30 ft	2WD 75 hp	0.229	1.00	Jun	2.37	1.31	11.55	89.35	7.56	64.17				168.75
Trailer(MuleTrn)Corn	16 ft	2WD 50 hp	0.229	1.00	Jun	1.58	0.90	1.17	2.23	0.68	6.35				12.23
Crates - Sweet Corn	each			1.00	Jun							200.0000	1.25	250.00	250.00
Ice + Cooling	crate											200.0000	0.70	140.00	140.00
TOTALS						64.21	35.68	118.47	310.47	14.40	137.68			605.07	1271.58
INTEREST ON OPERATING CAPITAL															9.80
UNALLOCATED LABOR															14.44
TOTAL SPECIFIED COST															1295.82

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.
 Make sure all inputs are allowed by your licensing agency.

Table 35.B Estimated costs per acre
 Organic - Sweet corn, fresh market-train harvest
 shipping, Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	0.4950	18.81	_____
Chicken Litter	ton	9.33	2.0000	18.66	_____
INSECTICIDE					
Dipel ES	pt	4.26	10.0000	42.60	_____
SEED/PLANTS					
Sweet Corn-Organic	lb	15.00	9.0000	135.00	_____
OTHER					
Crates - Sweet Corn	each	1.25	200.0000	250.00	_____
Ice + Cooling	crate	0.70	200.0000	140.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	6.6139	72.16	_____
HARVEST LABOR					
Implements	hour	8.41	7.7917	65.52	_____
UNALLOCATED LABOR	hour	10.91	1.3227	14.44	_____
DIESEL FUEL					
Tractors	gal	2.46	23.9506	58.93	_____
REPAIR & MAINTENANCE					
Implements	acre	118.47	1.0000	118.47	_____
Tractors	acre	5.28	1.0000	5.28	_____
INTEREST ON OP. CAP.	acre	9.80	1.0000	9.80	_____
TOTAL DIRECT EXPENSES				949.67	_____
FIXED EXPENSES					
Implements	acre	310.47	1.0000	310.47	_____
Tractors	acre	35.68	1.0000	35.68	_____
TOTAL FIXED EXPENSES				346.15	_____
TOTAL SPECIFIED EXPENSES				1295.82	_____

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.
 Make sure all inputs are allowed by your licensing agency.

Table 35.C Estimated monthly income and expense flows per acre
 Organic - Sweet corn, fresh market-train harvest
 shipping, Mississippi, 2009

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	18.81	18.66	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	0.00	29.82	12.78	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	390.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	21.17	23.21	4.07	22.50	81.17	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	12.19	16.84	2.95	16.32	10.63	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	3.00	9.68	0.96	67.95	42.16	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	0.56	1.37	3.70	0.12	1.37	2.68	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	19.37	56.39	188.43	8.10	137.96	539.42	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-19.37	-56.39	-188.43	-8.10	-137.96	-539.42	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-19.37	-75.76	-264.19	-272.29	-410.25	-949.67	-949.67	-949.67	-949.67	-949.67	-949.67	-949.67

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 35.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Sweet corn, fresh market-train harvest
 shipping, Mississippi, 2009

Sweet Corn			-----BREAKEVEN PRICE-----										
			4.97	5.18	5.43	5.72	6.06	6.47	6.98	7.60	8.41	9.49	10.99
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	5doz	-256	-234	-210	-181	-146	-105	-55	7	87	195	346
			-602	-581	-556	-527	-493	-451	-401	-338	-258	-150	0
60	120.00	5doz	-196	-170	-140	-105	-64	-15	44	120	217	346	526
			-542	-516	-486	-451	-410	-361	-301	-225	-129	0	180
70	140.00	5doz	-135	-105	-71	-30	17	74	145	233	346	496	707
			-482	-451	-417	-376	-328	-271	-200	-112	0	150	361
80	160.00	5doz	-75	-41	-1	44	99	165	245	346	475	647	888
			-421	-387	-347	-301	-246	-180	-100	0	129	301	542
90	180.00	5doz	-15	23	68	120	181	255	346	459	604	798	1069
			-361	-322	-278	-225	-164	-90	0	112	258	451	723
100	200.00	5doz	44	87	137	195	263	346	446	572	733	948	1250
			-301	-258	-208	-150	-82	0	100	225	387	602	903
110	220.00	5doz	105	152	207	270	346	436	547	685	862	1099	1430
			-241	-193	-139	-75	0	90	200	338	516	753	1084
120	240.00	5doz	165	217	276	346	428	526	647	798	991	1250	1611
			-180	-129	-69	0	82	180	301	451	645	903	1265
130	260.00	5doz	225	281	346	421	510	617	747	911	1120	1400	1792
			-120	-64	0	75	164	271	401	564	774	1054	1446
140	280.00	5doz	285	346	415	496	592	707	848	1024	1250	1551	1973
			-60	0	69	150	246	361	502	677	903	1205	1626
150	300.00	5doz	346	410	485	572	674	798	948	1137	1379	1701	2153
			0	64	139	225	328	451	602	790	1032	1355	1807

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 2008 input prices.

Table 36.A Estimated resource use and costs for field operations, per acre
Organic - Sweet potatoes
Mississippi, 2009

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-----			
Trapping	acre			1.00	Apr							1.0000	1.00	1.00	1.00
Manure Spreader	50bu	2WD 75 hp	1.000	1.00	Apr	10.35	5.73	0.11	1.48	1.00	10.91				28.58
Chicken Litter	ton											1.0000	9.33	9.33	9.33
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Apr	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Apr	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Disk Bed	2 Row	2WD 75 hp	0.284	1.80	May	5.29	2.93	0.34	1.49	0.51	5.58				15.63
Trailer-Sweet Potato	16 ft	2WD 50 hp	0.598	1.00	May	4.14	2.35	3.05	5.83	0.59	6.53				21.90
Sweetpotato -Organic	thous											12.0000	30.00	360.00	360.00
Trailer Water	10 ft	2WD 75 hp	0.600	1.00	May	6.21	3.44	0.29	0.96	0.60	6.55				17.45
Planter/Transplanter	1 Row	2WD 75 hp	1.586	1.00	May	16.42	9.09	0.13	10.82	6.34	57.34				93.80
Crate Sweetpotato	each											2.0000	8.00	16.00	16.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Pyrethrins	oz											16.0000	3.12	49.92	49.92
Ditcher		2WD 75 hp	0.020	1.00	May	0.21	0.11	0.04	0.06	0.02	0.22				0.64
Scouting Sweetpotato	acre			1.00	May							1.0000	15.00	15.00	15.00
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Azatin EC	oz											14.0000	5.21	72.94	72.94
Cultivate	2 Row	2WD 75 hp	0.390	1.00	May	4.04	2.24	0.41	2.18	0.39	4.26				13.13
Ditcher		2WD 75 hp	0.020	1.00	May	0.21	0.11	0.04	0.06	0.02	0.22				0.64
Cultivator - Rolling	2 Row	2WD 75 hp	0.310	1.00	Jun	3.21	1.78	0.70	3.76	0.31	3.39				12.84
Ditcher		2WD 75 hp	0.020	1.00	Jun	0.21	0.11	0.04	0.06	0.02	0.22				0.64
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jul	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Azatin EC	oz											14.0000	5.21	72.94	72.94
Hand Weeding Swt.Pot	acre			1.00	Jul							1.0000	20.00	20.00	20.00
Disc Mower	10' Ft	2WD 75 hp	0.206	1.00	Aug	2.14	1.18	1.28	1.55	0.20	2.25				8.40
Stalk Shredder-Flail	15 ft	2WD 75 hp	0.110	1.00	Sep	1.14	0.64	0.36	1.17	0.11	1.21				4.52
Trailer-Sweet Potato	16 ft	2WD 75 hp	0.598	1.00	Sep	6.20	3.43	3.05	5.83	0.59	6.53				25.04
SWEET POTATO LABOR	hour									1.00	10.00				10.00
Truck	1/2 ton		2.310	1.00	Sep	9.56	12.76			2.31	25.20				47.52
Truck	1 ton +		1.730	1.00	Sep	4.28	16.56			1.73	18.87				39.71
Harvester,Swt.Potato	2-Row	MFWD 170	1.011	1.00	Sep	24.78	21.16	6.18	10.74	7.07	62.05				124.91
SWEET POTATO LABOR	hour									30.00	300.00				300.00
Bin Repair	each											2.0000	60.00	120.00	120.00
Custom Skid Loader				1.00	Sep										
SKID LOADER LABOR-2	hour									2.18	45.78				45.78
Custom Skid Loader-2	acre											1.0000	13.63	13.63	13.63
Fuel Skid Loader (2)	acre											1.0000	9.64	9.64	9.64
Fork Lift			2.220	1.00	Sep	7.55	8.50			2.22	24.22				40.27
Custom Haul Swt. Pot	acre			1.00	Sep							1.0000	70.00	70.00	70.00
Storage Sweetpotato	cwt			1.00	Sep							112.0000	2.00	224.00	224.00
Clean, grade, pack	box			1.00	Sep							330.0000	2.00	660.00	660.00
Box Sweetpotato	each											330.0000	1.29	425.70	425.70
Broker Sweetpotato	box			1.00	Sep							330.0000	1.00	330.00	330.00
TOTALS						119.95	99.88	46.30	106.60	58.60	606.10			2470.10	3448.93
INTEREST ON OPERATING CAPITAL															32.35
UNALLOCATED LABOR															31.86
TOTAL SPECIFIED COST															3513.14

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.
 Make sure all inputs are allowed by your licensing agency.

Table 36.B Estimated costs per acre
Organic - Sweet potatoes
Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM					
Trapping	acre	1.00	1.0000	1.00	_____
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	9.64	1.0000	9.64	_____
Custom Haul Swt. Pot	acre	70.00	1.0000	70.00	_____
FERTILIZER					
Chicken Litter	ton	9.33	1.0000	9.33	_____
INSECTICIDE					
Pyrethrins	oz	3.12	16.0000	49.92	_____
Azatin EC	oz	5.21	28.0000	145.88	_____
SEED/PLANTS					
Sweetpotato -Organic	thous	30.00	12.0000	360.00	_____
OTHER					
Crate Sweetpotato	each	8.00	2.0000	16.00	_____
Hand Weeding Swt.Pot	acre	20.00	1.0000	20.00	_____
Bin Repair	each	60.00	2.0000	120.00	_____
Storage Sweetpotato	cwt	2.00	112.0000	224.00	_____
Clean, grade, pack	box	2.00	330.0000	660.00	_____
Box Sweetpotato	each	1.29	330.0000	425.70	_____
Broker Sweetpotato	box	1.00	330.0000	330.00	_____
OPERATOR LABOR					
Tractors	hour	10.91	8.3385	90.98	_____
Self-Propelled	hour	10.91	6.2600	68.29	_____
PLANTING LABOR					
Implements	hour	8.41	4.7596	40.03	_____
HAND LABOR					
Implements	hour	8.41	6.0661	51.02	_____
SWEET POTATO LABOR					
Special Labor	hour	10.00	31.0000	310.00	_____
SKID LOADER LABOR-2					
Special Labor	hour	21.00	2.1800	45.78	_____
UNALLOCATED LABOR					
	hour	10.91	2.9197	31.86	_____
DIESEL FUEL					
Tractors	gal	2.46	36.3633	89.46	_____
Self-Propelled	gal	2.46	1.2456	3.06	_____
GASOLINE					
Self-Propelled	gal	2.40	3.1416	7.54	_____
LP GAS					
Self-Propelled	gal	2.64	2.3754	6.27	_____
REPAIR & MAINTENANCE					
Implements	acre	46.30	1.0000	46.30	_____
Tractors	acre	9.10	1.0000	9.10	_____
Self-Propelled	acre	4.52	1.0000	4.52	_____
INTEREST ON OP. CAP.	acre	32.35	1.0000	32.35	_____
TOTAL DIRECT EXPENSES				3306.66	_____
FIXED EXPENSES					
Implements	acre	106.60	1.0000	106.60	_____
Tractors	acre	62.06	1.0000	62.06	_____
Self-Propelled	acre	37.82	1.0000	37.82	_____
TOTAL FIXED EXPENSES				206.48	_____
TOTAL SPECIFIED EXPENSES				3513.14	_____

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.
 Make sure all inputs are allowed by your licensing agency.

Table 36.C Estimated monthly income and expense flows per acre
 Organic - Sweet potatoes
 Mississippi, 2009

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	1.00	15.00	0.00	0.00	0.00	93.27	0.00	0.00	0.00	0.00	0.00	0.00
FERTILIZER	9.33	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	122.86	0.00	72.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	16.00	0.00	20.00	0.00	1759.70	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	21.17	95.27	4.33	3.22	2.70	511.27	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	15.36	38.17	3.14	2.33	1.96	45.37	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	3.27	26.73	1.02	9.71	1.46	17.73	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.51	16.85	0.17	1.62	0.06	12.14	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	51.64	690.88	8.66	109.82	6.18	2439.48	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-51.64	-690.88	-8.66	-109.82	-6.18	-2439.48	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-51.64	-742.52	-751.18	-861.00	-867.18	-3306.66	-3306.66	-3306.66	-3306.66	-3306.66	-3306.66	-3306.66

Note: Cost of production estimates are based on 2008 input prices.

Fertilization decisions should be based on soil tests.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 36.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Sweet potatoes
 Mississippi, 2009

Sweet Potatoes			-----BREAKEVEN PRICE-----										
			8.53	8.98	9.51	10.12	10.84	11.71	12.76	14.09	15.79	18.06	21.24
PERCENT	YIELD	UNIT	-----dollars-----										
50	150.00	40lb	-1700	-1632	-1553	-1461	-1353	-1223	-1064	-866	-610	-270	206
			-1906	-1838	-1760	-1668	-1560	-1430	-1271	-1072	-817	-476	0
60	180.00	40lb	-1509	-1427	-1333	-1223	-1093	-937	-746	-508	-202	206	778
			-1716	-1634	-1540	-1430	-1300	-1144	-953	-715	-408	0	572
70	210.00	40lb	-1318	-1223	-1113	-985	-833	-651	-429	-151	206	683	1350
			-1525	-1430	-1320	-1191	-1040	-858	-635	-357	0	476	1144
80	240.00	40lb	-1128	-1019	-893	-746	-573	-365	-111	206	615	1159	1922
			-1334	-1225	-1100	-953	-780	-572	-317	0	408	953	1716
90	270.00	40lb	-937	-815	-673	-508	-313	-79	206	564	1023	1636	2494
			-1144	-1021	-880	-715	-520	-286	0	357	817	1430	2288
100	300.00	40lb	-746	-610	-453	-270	-53	206	524	921	1432	2113	3066
			-953	-817	-660	-476	-260	0	317	715	1225	1906	2860
110	330.00	40lb	-556	-406	-233	-31	206	492	842	1279	1840	2589	3638
			-762	-612	-440	-238	0	286	635	1072	1634	2383	3432
120	360.00	40lb	-365	-202	-13	206	466	778	1159	1636	2249	3066	4210
			-572	-408	-220	0	260	572	953	1430	2042	2860	4004
130	390.00	40lb	-174	2	206	444	726	1064	1477	1994	2658	3543	4782
			-381	-204	0	238	520	858	1271	1787	2451	3336	4576
140	420.00	40lb	15	206	426	683	986	1350	1795	2351	3066	4020	5354
			-190	0	220	476	780	1144	1588	2145	2860	3813	5148
150	450.00	40lb	206	410	646	921	1246	1636	2113	2709	3475	4496	5926
			0	204	440	715	1040	1430	1906	2502	3268	4290	5720

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2008 input prices.

Table 37.A Estimated resource use and costs for field operations, per acre
 Organic - Tomatoes, fresh market, irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2009

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	38.00	12.54	12.54
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Manure Spreader	50bu	2WD 75 hp	1.000	1.00	Feb	10.35	5.73	0.11	1.48	1.00	10.91				28.58
Chicken Litter	ton											1.0000	9.33	9.33	9.33
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Mar	4.11	2.27	1.22	2.90	0.39	4.33				14.83
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Mar	2.05	1.14	0.61	1.45	0.19	2.16				7.41
BS.lay/tape/Tomato	6ftctr	2WD 75 hp	1.078	1.00	Mar	11.16	6.18	2.18	7.13	1.07	11.77				38.42
Plastic Mulch	roll											1.8000	162.00	291.60	291.60
Drip Tape	roll											1.2000	156.00	187.20	187.20
Plntr/H2O Tomato	1R 6ftctr	2WD 75 hp	1.718	1.00	Apr	17.78	9.85	2.13	4.01	6.87	62.11				95.88
PLANTING LABOR	hour									30.00	252.30				252.30
Tomato Plts -Organic	thous											4.4000	51.55	226.82	226.82
Liquid Fish Fert.	gal											11.0000	15.61	171.71	171.71
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Azatin EC	oz											14.0000	5.21	72.94	72.94
Irrigation				1.00	Apr										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Fertigation				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											11.0000	15.61	171.71	171.71
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	Apr	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Neem Oil	pt											2.0000	5.27	10.54	10.54
Azatin EC	oz											28.0000	5.21	145.88	145.88
Fertigation				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											11.0000	15.61	171.71	171.71
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Pyrethrins	oz											16.0000	3.12	49.92	49.92
Neem Oil	pt											1.0000	5.27	5.27	5.27
Fertigation				2.00	Apr										
FERTIGATION LABOR	hour									2.00	16.82				16.82
Liquid Fish Fert.	gal											22.0000	15.61	343.42	343.42
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Pyrethrins	oz											32.0000	3.12	99.84	99.84
Neem Oil	pt											2.0000	5.27	10.54	10.54
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	2.00	May	5.08	2.81	19.00	37.75	0.49	5.36				70.00
Azatin EC	oz											28.0000	5.21	145.88	145.88
Neem Oil	pt											2.0000	5.27	10.54	10.54
Fertigation				1.00	May										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											11.0000	15.61	171.71	171.71
HAND & STOR LABOR	hour			1.00	May					10.00	84.10				84.10
Wood Stakes	100											44.0000	15.00	660.00	660.00
Plastic string	6000ft											4.0000	11.00	44.00	44.00
Fertigation				3.00	May										
FERTIGATION LABOR	hour									3.00	25.23				25.23
Liquid Fish Fert.	gal											33.0000	15.61	515.13	515.13

(continued)

Table 37.A Estimated resource use and costs for field operations, per acre
 Organic - Tomatoes, fresh market, irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2009 (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-----			
Sucker Control				1.00	Jun										
HAND LABOR	hour										5.00	42.05			42.05
Fertigation				1.00	Jun										
FERTIGATION LABOR	hour										1.00	8.41			8.41
Liquid Fish Fert.	gal												11.0000	15.61	171.71
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jun	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Azatin EC	oz												14.0000	5.21	72.94
Neem Oil	pt												1.0000	5.27	5.27
Fertigation				3.00	Jun										
FERTIGATION LABOR	hour										3.00	25.23			25.23
Liquid Fish Fert.	gal												33.0000	15.61	515.13
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jul	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Azatin EC	oz												14.0000	5.21	72.94
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	1.00	Jul	0.93	0.52	0.03	0.05	0.18	1.74				3.27
CustomHarvest Tomato	box			1.00	Jul								1600.0000	1.00	1600.00
5-Gal Bucket	each												200.0000	3.00	600.00
GRADE & PACK LABOR	hour			1.00	Jul					320.00	2691.20				2691.20
Box Tomato	box												1600.0000	1.54	2464.00
Mulch Lifter	1 Row	2WD 75 hp	0.589	1.00	Jul	6.10	3.38	0.12	2.60	0.58	6.43				18.63
LABOR MULCH CLEANUP	hour									15.00	126.15				126.15
Irrigation Setup	acre				Apr								1.0000		459.70
TOTALS						80.16	44.40	101.96	209.45	404.99	3425.37			9480.28	13801.32
INTEREST ON OPERATING CAPITAL															133.72
UNALLOCATED LABOR															16.92
TOTAL SPECIFIED COST															13951.96

Note: Cost of production estimates are based on 2008 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.

Make sure all inputs are allowed by your licensing agency.

Table 37.B Estimated costs per acre
 Organic - Tomatoes, fresh market, irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2009

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	38.00	0.3300	12.54	_____
Chicken Litter	ton	9.33	1.0000	9.33	_____
Liquid Fish Fert.	gal	15.61	143.0000	2232.23	_____
FUNGICIDE					
Neem Oil	pt	5.27	8.0000	42.16	_____
INSECTICIDE					
Azatin EC	oz	5.21	98.0000	510.58	_____
Pyrethrins	oz	3.12	48.0000	149.76	_____
SEED/PLANTS					
Tomato Plts -Organic	thous	51.55	4.4000	226.82	_____
OTHER					
Plastic Mulch	roll	162.00	1.8000	291.60	_____
Wood Stakes	100	15.00	44.0000	660.00	_____
Plastic string	6000ft	11.00	4.0000	44.00	_____
5-Gal Bucket	each	3.00	200.0000	600.00	_____
Box Tomato	box	1.54	1600.0000	2464.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	1.2000	187.20	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	10.91	7.7471	84.53	_____
PLANTING LABOR					
Special Labor	hour	8.41	30.0000	252.30	_____
GRADE & PACK LABOR					
Special Labor	hour	8.41	320.0000	2691.20	_____
HAND & STOR LABOR					
Special Labor	hour	8.41	10.0000	84.10	_____
HAND LABOR					
Special Labor	hour	8.41	5.0000	42.05	_____
Implements	hour	8.41	5.2462	44.12	_____
FERTIGATION LABOR					
Special Labor	hour	8.41	12.0000	100.92	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.41	15.0000	126.15	_____
UNALLOCATED LABOR					
	hour	10.92	1.5494	16.92	_____
DIESEL FUEL					
Tractors	gal	2.46	29.9069	73.55	_____
REPAIR & MAINTENANCE					
Implements	acre	101.96	1.0000	101.96	_____
Tractors	acre	6.61	1.0000	6.61	_____
INTEREST ON OP. CAP.	acre	133.72	1.0000	133.72	_____
TOTAL DIRECT EXPENSES				13238.41	_____
FIXED EXPENSES					
Implements	acre	209.45	1.0000	209.45	_____
Tractors	acre	44.40	1.0000	44.40	_____
Irrigation Setup	acre	459.70	1.0000	459.70	_____
TOTAL FIXED EXPENSES				713.55	_____
TOTAL SPECIFIED EXPENSES				13951.96	_____

Note: Cost of production estimates are based on 2008 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.
 Make sure all inputs are allowed by your licensing agency.

Table 37.C Estimated monthly income and expense flows per acre
 Organic - Tomatoes, fresh market, irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2009

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	21.87	0.00	858.55	686.84	686.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	15.81	21.08	5.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	268.74	245.72	72.94	72.94	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	226.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	291.60	0.00	704.00	0.00	3064.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	187.20	450.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	15.97	21.91	364.67	130.60	78.91	2830.23	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	11.59	15.89	25.64	9.32	2.33	8.78	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	1.71	5.44	42.43	38.84	9.71	10.44	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.54	13.05	45.08	27.57	8.55	37.93	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	52.68	535.09	2297.80	1863.97	864.55	7624.32	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-52.68	-535.09	-2297.80	-1863.97	-864.55	-7624.32	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-52.68	-587.77	-2885.57	-4749.54	-5614.09	-13238.41	-13238.41	-13238.41	-13238.41	-13238.41	-13238.41	-13238.41

Note: Cost of production estimates are based on 2008 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.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 37.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Tomatoes, fresh market, irrigated
 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Mississippi, 2009

			-----BREAKEVEN PRICE-----										
Tomatoes			6.66	6.95	7.29	7.69	8.15	8.71	9.40	10.26	11.36	12.83	14.88
PERCENT	YIELD	UNIT	-----dollars-----										
50	800.00	251b	-5864	-5629	-5358	-5042	-4668	-4220	-3672	-2986	-2105	-931	713
			-6578	-6343	-6072	-5756	-5382	-4933	-4385	-3700	-2819	-1644	0
60	960.00	251b	-5207	-4925	-4599	-4220	-3771	-3233	-2575	-1753	-696	713	2687
			-5920	-5638	-5313	-4933	-4485	-3947	-3289	-2466	-1409	0	1973
70	1120.00	251b	-4549	-4220	-3840	-3397	-2874	-2246	-1479	-519	713	2358	4660
			-5262	-4933	-4554	-4111	-3588	-2960	-2192	-1233	0	1644	3947
80	1280.00	251b	-3891	-3515	-3081	-2575	-1977	-1259	-382	713	2123	4002	6634
			-4604	-4228	-3795	-3289	-2691	-1973	-1096	0	1409	3289	5920
90	1440.00	251b	-3233	-2810	-2322	-1753	-1080	-273	713	1947	3532	5647	8607
			-3947	-3524	-3036	-2466	-1794	-986	0	1233	2819	4933	7894
100	1600.00	251b	-2575	-2105	-1563	-931	-183	713	1809	3180	4942	7291	10581
			-3289	-2819	-2277	-1644	-897	0	1096	2466	4228	6578	9867
110	1760.00	251b	-1917	-1400	-804	-108	713	1700	2906	4413	6352	8936	12554
			-2631	-2114	-1518	-822	0	986	2192	3700	5638	8223	11841
120	1920.00	251b	-1259	-696	-45	713	1610	2687	4002	5647	7761	10581	14528
			-1973	-1409	-759	0	897	1973	3289	4933	7048	9867	13814
130	2080.00	251b	-602	8	713	1535	2507	3673	5099	6880	9171	12225	16501
			-1315	-704	0	822	1794	2960	4385	6167	8457	11512	15788
140	2240.00	251b	55	713	1472	2358	3404	4660	6195	8114	10581	13870	18475
			-657	0	759	1644	2691	3947	5482	7400	9867	13156	17761
150	2400.00	251b	713	1418	2231	3180	4301	5647	7291	9347	11990	15515	20448
			0	704	1518	2466	3588	4933	6578	8634	11277	14801	19735

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 2008 input prices.

Table 38.A Estimated resource use and costs for field operations, per acre
 Organic - Watermelons, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Jan							1.5000	38.00	57.00	57.00
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.28	1.26	0.56	1.10	0.22	2.40				7.60
Manure Spreader	50bu	2WD 75 hp	1.000	1.00	Feb	10.35	5.73	0.11	1.48	1.00	10.91				28.58
Chicken Litter	ton											1.0000	9.33	9.33	9.33
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Feb	2.05	1.14	0.61	1.45	0.19	2.16				7.41
BS.lay/tape/Melon	8ftctr	2WD 75 hp	0.808	1.00	Mar	8.37	4.63	2.21	7.21	0.80	8.82				31.24
Plastic Mulch	roll											1.4000	162.00	226.80	226.80
Drip Tape	roll											0.9000	156.00	140.40	140.40
Plntr/H2O Melon	1R 8ftctr	2WD 75 hp	0.645	1.00	Mar	6.68	3.70	1.07	2.02	2.58	23.32				36.79
Watermelon - Organic lb												1.8000	55.96	100.73	100.73
Irrigation				1.00	Mar										
Rural Water	ac-in											6.0000	75.01	450.06	450.06
Fertigation				1.00	Mar										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											33.0000	15.61	515.13	515.13
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Neem Oil	pt											1.0000	5.27	5.27	5.27
Fertigation				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											33.0000	15.61	515.13	515.13
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Apr	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Dipel ES	pt											1.0000	4.26	4.26	4.26
Fertigation				4.00	Apr										
FERTIGATION LABOR	hour									4.00	33.64				33.64
Liquid Fish Fert.	gal											132.0000	15.61	2060.52	2060.52
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Neem Oil	pt											1.0000	5.27	5.27	5.27
Fertigation				1.00	May										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											33.0000	15.61	515.13	515.13
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	May	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Neem Oil	pt											1.0000	5.27	5.27	5.27
Fertigation				1.00	May										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											33.0000	15.61	515.13	515.13
Fertigation				1.00	Jun										
FERTIGATION LABOR	hour									1.00	8.41				8.41
Liquid Fish Fert.	gal											33.0000	15.61	515.13	515.13
Sprayer Air Blast	16' 100 ga	2WD 75 hp	0.245	1.00	Jun	2.54	1.41	9.50	18.87	0.24	2.68				35.00
Azatin EC	oz											14.0000	5.21	72.94	72.94
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	4.00	Jun	3.73	2.06	0.11	0.21	0.72	6.96				13.07

(continued)

Table 38.A Estimated resource use and costs for field operations, per acre
 Organic - Watermelons, irrigated
 8 ft spacing with 12 gpm with 5,445 ft of drip tape, Mississippi, 2009 (continued)

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES RATE 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 Melons cwt			1.00	Jun								200.0000	2.00	400.00	400.00
Pallet Crates-1000lb each												20.0000	12.00	240.00	240.00
Plastic Clean Up			1.00	Jun											
Mulch Lifter	1 Row	2WD 75 hp	0.589			6.10	3.38	0.12	2.60	0.58	6.43				18.63
LABOR MULCH CLEANUP	hour									15.00	126.15				126.15
Irrigation Setup	acre			Mar								1.0000			451.69
TOTALS						52.26	28.95	52.29	110.42	31.34	276.24			6353.50	7325.35
INTEREST ON OPERATING CAPITAL															90.45
UNALLOCATED LABOR															11.04
TOTAL SPECIFIED COST															7426.84

Note: Cost of production estimates are based on 2008 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.

Make sure all inputs are allowed by your licensing agency.

Table 38.B Estimated costs per acre
 Organic - Watermelons, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	38.00	1.5000	57.00	_____
Chicken Litter	ton	9.33	1.0000	9.33	_____
Liquid Fish Fert.	gal	15.61	297.0000	4636.17	_____
FUNGICIDE					
Neem Oil	pt	5.27	3.0000	15.81	_____
INSECTICIDE					
Dipel ES	pt	4.26	1.0000	4.26	_____
Azatin EC	oz	5.21	14.0000	72.94	_____
SEED/PLANTS					
Watermelon - Organic	lb	55.96	1.8000	100.73	_____
OTHER					
Plastic Mulch	roll	162.00	1.4000	226.80	_____
Harvest Labor Melons	cwt	2.00	200.0000	400.00	_____
Pallet Crates-1000lb	each	12.00	20.0000	240.00	_____
IRRIGATION SUPPLIES					
Drip Tape	roll	156.00	0.9000	140.40	_____
Rural Water	ac-in	75.01	6.0000	450.06	_____
OPERATOR LABOR					
Tractors	hour	10.91	5.0496	55.09	_____
HAND LABOR					
Implements	hour	8.41	2.2954	19.31	_____
FERTIGATION LABOR					
Special Labor	hour	8.41	9.0000	75.69	_____
LABOR MULCH CLEANUP					
Special Labor	hour	8.41	15.0000	126.15	_____
UNALLOCATED LABOR					
	hour	10.93	1.0099	11.04	_____
DIESEL FUEL					
Tractors	gal	2.46	19.4935	47.95	_____
REPAIR & MAINTENANCE					
Implements	acre	52.29	1.0000	52.29	_____
Tractors	acre	4.31	1.0000	4.31	_____
INTEREST ON OP. CAP.	acre	90.45	1.0000	90.45	_____

TOTAL DIRECT EXPENSES				6835.78	_____
FIXED EXPENSES					
Implements	acre	110.42	1.0000	110.42	_____
Tractors	acre	28.95	1.0000	28.95	_____
Irrigation Setup	acre	451.69	1.0000	451.69	_____

TOTAL FIXED EXPENSES				591.06	_____

TOTAL SPECIFIED EXPENSES				7426.84	_____

Note: Cost of production estimates are based on 2008 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.

Make sure all inputs are allowed by your licensing agency.

Table 38.C Estimated monthly income and expense flows per acre
 Organic - Watermelons, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009

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	57.00	9.33	515.13	2575.65	1030.26	515.13	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDE	0.00	0.00	0.00	5.27	10.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INSECTICIDE	0.00	0.00	0.00	4.26	0.00	72.94	0.00	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	100.73	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	640.00	0.00	0.00	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	590.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	18.56	43.72	48.49	23.26	153.25	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	13.47	13.81	4.66	4.66	11.35	0.00	0.00	0.00	0.00	0.00	0.00
REPAIR & MAINTENANCE	0.00	2.49	4.52	19.42	19.42	10.75	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON OP. CAP.	1.71	1.09	29.90	39.87	10.86	7.02	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DIRECT EXPENSES	58.71	44.94	1525.07	2697.62	1099.00	1410.44	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME	-58.71	-44.94	-1525.07	-2697.62	-1099.00	-1410.44	0.00	0.00	0.00	0.00	0.00	0.00
NET INCOME TO DATE	-58.71	-103.65	-1628.72	-4326.34	-5425.34	-6835.78	-6835.78	-6835.78	-6835.78	-6835.78	-6835.78	-6835.78

Note: Cost of production estimates are based on 2008 input prices.

* Lease costs are based on hourly usage costs.

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.

Make sure all inputs are allowed by your licensing agency.

* Lease costs are based on hourly usage costs.

Table 38.D Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Organic - Watermelons, irrigated
 8 ft row spacing, 12 gpm with 5,445 ft of drip tape, Mississippi, 2009

			-----BREAKEVEN PRICE-----										
Watermelons			25.42	27.09	29.02	31.28	33.94	37.13	41.03	45.91	52.18	60.55	72.25
PERCENT	YIELD	UNIT	-----dollars-----										
50	100.00	cwt	-4092	-3924	-3731	-3506	-3240	-2921	-2531	-2043	-1416	-579	591
			-4683	-4515	-4322	-4097	-3831	-3512	-3122	-2634	-2007	-1170	0
60	120.00	cwt	-3623	-3423	-3191	-2921	-2602	-2218	-1750	-1165	-412	591	1996
			-4214	-4014	-3782	-3512	-3193	-2809	-2341	-1756	-1003	0	1404
70	140.00	cwt	-3155	-2921	-2651	-2335	-1963	-1516	-970	-287	591	1761	3400
			-3746	-3512	-3242	-2927	-2554	-2107	-1561	-878	0	1170	2809
80	160.00	cwt	-2687	-2419	-2110	-1750	-1324	-813	-189	591	1594	2932	4805
			-3278	-3010	-2701	-2341	-1915	-1404	-780	0	1003	2341	4214
90	180.00	cwt	-2218	-1917	-1570	-1165	-686	-111	591	1469	2598	4103	6210
			-2809	-2508	-2161	-1756	-1277	-702	0	878	2007	3512	5619
100	200.00	cwt	-1750	-1416	-1030	-579	-47	591	1371	2347	3601	5274	7615
			-2341	-2007	-1621	-1170	-638	0	780	1756	3010	4683	7024
110	220.00	cwt	-1282	-914	-489	5	591	1293	2152	3225	4605	6445	9020
			-1873	-1505	-1080	-585	0	702	1561	2634	4014	5854	8429
120	240.00	cwt	-813	-412	50	591	1229	1996	2932	4103	5608	7615	10425
			-1404	-1003	-540	0	638	1404	2341	3512	5017	7024	9834
130	260.00	cwt	-345	89	591	1176	1868	2698	3713	4981	6612	8786	11830
			-936	-501	0	585	1277	2107	3122	4390	6021	8195	11239
140	280.00	cwt	122	591	1131	1761	2506	3400	4493	5859	7615	9957	13235
			-468	0	540	1170	1915	2809	3902	5268	7024	9366	12644
150	300.00	cwt	591	1092	1671	2347	3145	4103	5274	6737	8619	11128	14640
			0	501	1080	1756	2554	3512	4683	6146	8028	10537	14049

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 2008 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, 2009

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	28,984	600	8	2.57	10.91	6.33	0.90	18.14	6.11	24.25
Tractor (40-59hp)CB	MFWD 50 hp	31,863	600	8	2.57	10.91	6.33	0.99	18.23	6.71	24.95
Tractor (40-59hp)RB	2WD 50 hp	18,617	600	8	2.57	10.91	6.33	0.58	17.82	3.92	21.74
Tractor (40-59hp)RB	MFWD 50 hp	23,528	600	8	2.57	10.91	6.33	0.73	17.97	4.96	22.93
Tractor (60-89hp)CAB	MFWD 75 hp	41,620	600	8	3.86	10.91	9.49	1.30	21.70	8.77	30.48
Tractor (60-89hp)CB	2WD 75 hp	36,964	600	8	3.86	10.91	9.49	1.15	21.56	7.79	29.35
Tractor (60-89hp)RB	2WD 75 hp	27,169	600	8	3.86	10.91	9.49	0.84	21.25	5.72	26.98
Tractor (60-89hp)RB	MFWD 75 hp	33,056	600	8	3.86	10.91	9.49	1.03	21.43	6.96	28.40
Tractor(120-139hp)CB	MFWD 130	76,003	600	8	6.69	10.91	16.46	2.37	29.74	16.02	45.77
Tractor(160-179hp)CB	MFWD 170	95,567	600	8	8.75	10.91	21.52	2.98	35.42	20.93	56.35
Utility Vehicle	20 hp	10,914	200	13	0.60	10.91	1.44	0.83	13.18	5.77	18.96

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, 2009

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Perf Rate	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	hr/ac	-----\$/acre-----					
Fork Lift		30,350	1000	10	1.07	2.220	24.22	6.27	1.28	31.77	8.49	40.26
Sprayer(300-450GAL)	60 ft	85,701	350	8	5.66	0.017	0.26	0.24	0.08	0.59	0.58	1.18
Truck	1 ton +	39,343	780	5	0.72	1.730	18.87	3.06	1.22	23.16	16.56	39.72
Truck	1/2 ton	30,261	1040	5	1.36	2.310	25.20	7.53	2.01	34.75	12.75	47.51
Utility Vehicle	800CC	11,211	200	8	0.60	0.249	2.72	0.36	0.43	3.52	1.91	5.43

Notes:

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

Total Direct: Does not include interest on operating capital.

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2009

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
ADJUVANT			Alanap	pt	4.66
Crop Oil Conc. (Veg)	pt	2.51	Assure 1l	oz	1.12
CUSTOM			Atrazine 4L	pt	1.69
Contract Plt BPepper	1000pl	13.75	Basagran	pt	10.75
Custom Apply Fert	acre	9.00	Bicep II Magnum	pt	4.73
Custom Haul Swt. Pot	acre	70.00	Bicep 1l	pt	5.67
Custom Skid Loader-2	acre	13.63	Command 3ME	pt	12.93
CustomHarvest Tomato	box	1.00	Curbit EC	pt	6.77
Fuel Skid Loader (2)	acre	9.64	Dacthal W-75	lb	18.33
Scouting Sweetpotato	acre	15.00	Dual II Magnum	pt	13.47
Site Prep w/Dozer	acre	213.00	Dual Magnum	pt	12.74
Trapping	acre	1.00	Eptam 7E	pt	4.43
FERTILIZER			Fusilade DX	oz	1.34
32% Liquid Nitrogen	qt	0.32	Glyphosate 3lbs a.e.	pt	4.00
Amm Nitrate (34%)	cwt	28.00	Glyphosate 3lbs a.e.	oz	0.25
Amm. Sulfate(21%N)	lb	0.22	Glystar Plus	pt	3.91
Boron (20% Sol)	lb	0.40	Goal 2XL	pt	10.31
Calcium Nitrate	lbs	0.20	Gramonone Inteon	oz	0.23
Calcium Nitrate	lb	0.20	Gramoxone Max	pt	4.97
CalciumNitrateMelon	lb	0.20	Guardman Max	pt	5.74
Chicken Litter	ton	9.33	Lasso 4EC	qt	6.60
Elemental Sulfur	lbs	0.35	Lorox 50 DF	lb	16.56
Fert 10-10-10	lb	0.29	Outlook	pt	18.27
Fert 13-13-13	cwt	30.00	Permit 75DF	oz	18.07
Fert 15-30-15	lb	0.18	Poast 1.53	pt	8.90
Fert 5-20-30+S+B	cwt	54.10	Prefar 4E	pt	6.84
Lime (Spread)	ton	38.00	Princep 4L	pt	2.42
Liquid Fish Fert.	gal	15.61	Roundup Original Max	oz	0.41
Liquid Lime Sulfur	gal	3.70	Roundup Original Max	pt	6.50
Phosphorus(46% P205)	cwt	46.00	Roundup Power Max	pt	6.82
Potash (60% K20)	cwt	44.00	Roundup Power Max	oz	0.43
Potassium Nitrate	lb	0.36	Roundup WeatherMax	pt	8.08
Potassium Sulfate	lb	0.27	Roundup WeatherMax	oz	0.50
Sul-Po-Mag	lb	0.21	Sandea	oz	38.42
Triple Superphosphat	lb	0.46	Select 2EC	oz	1.34
FUNGICIDE			Solicam DF	lb	20.27
Basic Copper Sulfate	lb	1.55	Stinger	oz	1.01
Botran 75W	lb	14.32	Strategy	pt	10.25
Bravo Weather Stick	pt	6.25	Surflan AS	qt	12.50
Cabrio	oz	1.57	Treflan HFP	pt	3.33
Captan 50 WP	lb	3.66	Valor SX	oz	4.31
Chaleau WDG	oz	5.75	INSECTICIDE		
Dithane Rainshield	lb	2.28	Agri-Mek 15EC	oz	4.87
Elevate 50 WDG	lb	32.44	Ambush 25WP	lb	10.60
Headline	oz	2.08	Asana XL	oz	0.72
Kocide 2000	lb	4.99	Azatin EC	oz	5.21
Kocide 3000	lb	6.06	Brigade WSB	lb	20.32
Kocide DF	lb	3.42	Capture 2EC	oz	1.45
Maneb 75 DF	lb	3.24	Confirm 2F	oz	1.49
Manex	qt	4.68	Diazion AG500	pt	5.24
Manzate 75 DF	lb	2.65	Dimethoate 4EC	pt	4.73
Manzate FL	pt	1.90	Dipel ES	pt	4.26
Mertect	oz	2.14	Endosulfan 3E	pt	3.40
Neem Oil	pt	5.27	Endosulfan 3EC	pt	3.06
Nova 40W	oz	3.85	Furadan 4 F	pt	9.52
Previcur Flex	oz	0.58	Guthion 50WSP	lb	10.19
Pristine	oz	2.30	Imidan 70 WSB	lb	8.42
Procure 480SC	oz	2.93	K-Pam	gal	7.62
Quadris	oz	2.16	Lannate LV	pt	7.67
Ridomil Gold BravoEC	oz	0.76	Lorsban 4E	pt	4.45
Ridomil Gold MZ	lb	12.22	Malathion 57EC	pt	3.32
Telone II	pt	1.73	Malathion 5E	pt	3.24
Terraclor 75WP	lb	6.89	Orthene 90 WSP	lb	8.10
Tilt	oz	2.33	Penncap-M	pt	3.55
Topsin 4.5L	oz	0.82	Pyrethrins	oz	3.12
HERBICIDE			Sevin XLR Plus	qt	9.44
Accent DF 75%	oz	37.24	Spintor	oz	4.93

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi 2009 (continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
IRRIGATION SUPPLIES			Plastic Mulch	roll	162.00
Adapter(Reg to Head)	1 1/2"	1.56	Plastic string	6000ft	11.00
Barb Lock Sleeve	1/4"	0.50	Pruner (Hand)	each	45.00
Cost of PumpingWater	6" in	24.00	Rec. Belt Conveyor	hour	1.43
Coupler	5/8"	0.75	Refrigeration-chill	month	375.00
Drip Tape	roll	156.00	Rotary Packing Table	hour	7.19
End Plug for Header	1 1/2"	1.55	Row Covers	roll	147.00
Feeder Tube	ft	0.07	Sacks - S Peas	each	0.65
Fertigation System	each	215.00	Sheller w/Cleaner	hour	7.43
Header Line 1 1/2"	ft	0.38	Soil Test	each	6.00
Hole Punch	1/4"	3.00	Soil Test Probe	each	75.00
Hose Clamp	1 1/2"	0.57	Stacking Bins	each	2.00
Pressure Regulator	12 PSI	35.00	Storage Sweetpotato	cwt	2.00
PVC Female Adaptor	1 1/2"	3.65	Wood Stakes	100	15.00
PVC Fitting (adpt)	1 1/2"	0.85	SEED/PLANTS		
PVC Fitting (bush)	1 1/2"	1.38	Broccoli - Hybrid	thous	30.50
Rural Water	ac-in	75.01	Broccoli - Hybrid	lb	1147.00
Transfer Barb	1/4"	0.25	Broccoli - Organic	lb	1159.20
Y Filter	1"	17.00	Broccoli - Organic	thous	43.50
OTHER			Cabbage - Hybrid	thous	28.88
15g tub Bell Pepper	each	7.50	Cabbage - Hybrid	lb	544.00
5-Gal Bucket	each	3.00	Cabbage - Organic	lb	640.80
Bag Sealer	hour	14.66	Cabbage - Organic	thous	43.50
Bag-secure row cover	each	0.10	Collard Seed - OP	lb	9.00
BB Mktng fee TN-Ark	lb	0.15	Collard Seed -Hybrid	lb	137.00
BBMktngFee MS,AL,La	lb	0.15	Cucumber - Hybrid	lb	132.00
Bee Hive	each	52.00	Cucumber - Organic	lb	566.00
Bin Repair	each	60.00	Greens - Hybrid	lb	65.00
Bin Sweetpotato	each	65.00	Greens - OP	lb	9.00
Bin Vegetable	each	75.00	Greens - OP	lb	20.53
Box Cabbage	each	2.20	Greens - Organic	lb	27.75
Box Sweetpotato	each	1.29	Lima Bean - Hybrid	lb	4.00
Box Tomato	box	1.54	Lima Bean - Organic	lb	59.00
Boxes-Waxed	each	1.33	Mustard - Organic	lb	75.96
Broker Sweetpotato	box	1.00	Mustard Seed -Hybrid	lb	20.00
Bushel Box	each	1.20	Okra - Hybrid	lb	156.00
Clean, grade, pack	box	2.00	Okra - OP	lb	5.00
Cooling Box - Greens	box	0.25	Okra - Organic	lb	43.99
Cooling Snap Beans	bu box	0.75	Pepper Plants	100plt	3.83
CoolingBox S.Cabbage	box	0.25	Pepper Plts -Organic	100plt	2.85
Crate Sweetpotato	each	8.00	Peppers	lb	3131.00
Crates - Sweet Corn	each	1.25	Peppers - Organic	lb	3598.20
Field Box	each	14.50	Pumpkin Sd - Organic	lb	62.12
Grain Drill 10' NRCS	acre	5.00	Pumpkin Seed Hybrid	lb	65.00
Grd & Pack S.Cabbage	box	1.40	S. Peas - Organic	lb	33.00
Hand Weeding Swt.Pot	acre	20.00	Snap Beans - Hybrid	lb	5.00
Harv.Labor S.Cabbage	box	1.35	Snap Beans - Organic	lb	8.00
Harvest Crates	each	12.50	Squash - Hybrid	lb	145.00
Harvest Labor Melons	cwt	2.00	Squash Sd - Organic	lb	170.00
Harvest Labor Pepper	bu	0.70	Sweatpotato -Organic	thous	30.00
Harvest Tomatoes	box	0.75	Sweet Corn - Hybrid	lb	12.00
Hauling	trip	25.00	Sweet Corn-Organic	lb	15.00
Ice	cwt	7.10	Sweetpotato Plants	thous	25.00
Ice + Cooling	crate	0.70	Tomato - Hybrid	lb	7400.00
Ice + Cooling	box	0.75	Tomato - Organic	lb	6440.25
Labor Clean up	acre	100.00	Tomato Plants-Hybrid	thous	110.36
Labor Grading Bean	hour	6.44	Tomato Plts -Organic	thous	51.55
Labor(Packing)	each	0.75	Turnip - Hybrid	lb	37.00
M-Pede Insect Soap	pt	2.12	Turnip - Organic	lb	20.53
Marketing Fee	box	1.00	Turnip Seed - OP	lb	10.00
Midas 50/50	lb	9.00	Watermelon - Hybrid	lb	860.00
Mulch - MS,AL,LA.	cu yd	10.00	Watermelon - OP	lb	30.00
Mulch - TN & ARK	cu yd	15.00	Watermelon - Organic	lb	55.96
Mythl Bromide 67/33	lb	4.50			
Pallet Crates-1000lb	each	12.00			

Appendix Table 5. Estimated fuel prices and interest rates,
Mississippi, 2009

ITEM NAME	UNIT	PRICE
		dollars
FUEL TYPES		
Diesel Fuel	gal	2.46
Gasoline	gal	2.40
LP Gas	gal	2.64
INTEREST RATES		
Short-term	%	6.00
Intermediate-term	%	6.75

Appendix Table 6. Labor names, units and wage rates,
Mississippi, 2009

Item name	Unit	Wage Rate
OPERATOR LABOR	hour	10.91
HARVEST LABOR	hour	8.41
PLANTING LABOR	hour	8.41
GRADE & PACK LABOR	hour	8.41
MARKETING LABOR	hour	8.41
HAND & STOR LABOR	hour	8.41
HAND LABOR	hour	8.41
FERTIGATION LABOR	hour	8.41
HARVEST & PACK LABOR	hour	8.41
HARVEST LABOR BEANS	hour	8.41
LABOR BEAN TRAILER	hour	8.41
GRD LABOR S. PEAS	hour	8.41
TRAILER LABOR S. PEA	hour	8.41
TRAILER LABOR CABBAG	hour	8.41
LABOR MULCH CLEANUP	hour	8.41
GRD LABOR LIMA BEANS	hour	8.41
GRD LABOR S. BEANS	hour	8.41
REFRESH STRAWBERRIES	hour	8.41
SBERRY PALLET PKGING	hour	8.00
SWEET POTATO LABOR	hour	10.00
SKID LOADER LABOR-2	hour	21.00

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, 2009

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

TOTAL DIRECT EXPENSES				434.38	_____
TOTAL INTEREST				29.32	_____

TOTAL SPECIFIED EXPENSES				463.70	_____

Note: Cost of production estimates are based on 2008 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 \$463.70 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, 2009

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

TOTAL DIRECT EXPENSES				430.63	_____
TOTAL INTEREST				29.07	_____

TOTAL SPECIFIED EXPENSES				459.70	_____

Note: Cost of production estimates are based on 2008 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 \$459.70 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, 2009

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

TOTAL DIRECT EXPENSES				423.13	_____
TOTAL INTEREST				28.56	_____

TOTAL SPECIFIED EXPENSES				451.69	_____

Note: Cost of production estimates are based on 2008 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 \$451.69 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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**MISSISSIPPI STATE
UNIVERSITY**

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