
**2007
Projected
Commodity
Costs
And
Returns**

Louisiana Vegetable Crops

Roger A. Hinson and James E. Boudreaux



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PROJECTED COSTS FOR SELECTED
LOUISIANA VEGETABLE CROPS - 2007 SEASON

by

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PROJECTED COSTS FOR SELECTED LOUISIANA VEGETABLE CROPS - 2007 SEASON

by

Roger A. Hinson and James E. Boudreaux ¹

Cost budgets are reported for different 20 vegetable crops, with a total of 38 combinations of crop, machinery size, and market channel. Each cost budget is supplemented with a table where net return is calculated over a range of prices and yields.

Production Practices reflect cultural practices as described generally in the budget's title, usually including the technology level. An example might be a high production technology situation, where a farmer would use hybrid seed, higher seeding rates and fertilizer rates, and/or plastic mulch. Generally, this technology level is higher than would be found on the typical farm. Other budgets are based on observation of specific production or marketing possibilities. Examples include machine-harvested snap beans, southern peas, and butterbeans for fresh market. Machine harvest of vegetables is not common in Louisiana. Performance rates for these machines are based on a combination of information from manufacturers and on a limited number of farm examples and research trials. Production per acre in these cases is assumed to be higher than is typically reported for Louisiana. Technology levels that justify these higher output rates are used in major US production areas. An example is cabbage production in Texas. The higher levels also have been achieved in research trials in Louisiana. However, these technologies and yields may not yet have been tested over a period of years under Louisiana farming conditions. Vegetable growers with larger operations and whose market objective is the regional or national wholesale market would be users of the higher technology.

Other budgets describe production using small (one-row) machinery and a more traditional set of production practices. Output from farms using these practices is assumed to be sold in the local market, typically at a higher price compared to the wholesale market.

The production practices, machinery complements, and performance rates result from an economic engineering approach. Extension horticulture specialists who are knowledgeable of farming practices under the state's conditions provided the information base of cultural practices and machinery. Production practices followed by commercial growers generally conform to LSU's recommended practices. Annual budget updates primarily reflect changes in chemical label applications and input prices. Expected production per acre and price for each crop was obtained from Extension Service crop summaries, and Specialists' experience. The prices reflect whether output from the budget would typically go to local market or to the wholesale market, and reflect subjective observation of prices received by growers in the state.

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The advanced technology assumed in the budgets describing larger production units offer higher expected yields and returns, but the investment introduces additional financial risk and may require greater marketing effort and skills. Watermelon budgets offer an excellent example. Typical grower practices, with low input levels, are presented in Table 26. A system that assumes more sophisticated production practices including hybrid plants, plastic mulch and drip irrigation, requiring more investment, is presented in Table 38. With its higher production cost and management requirements, the high input budget is expected to generate higher returns with lower yield risk.

Labor Charge for Vegetable Production

Hired labor is assumed to be available at \$9.60 per hour. This rate reflects payment of an hourly wage based on farm labor surveys, and generally accounts for the employer portion of social security contribution and workman's compensation insurance expenses. This increase also reflects pressures on labor rates resulting from hurricanes in 2005. In addition, hourly labor rates used in neighboring states when costing vegetable production are expected to be higher in 2007. Crop harvest operations are charged either as an hourly wage, or as piecework when that is the typical farm practice.

Budget Description

These budgets may be grouped into the following categories:

- 1) market channel - fresh local and fresh wholesale markets
- 2) season - spring and fall crops
- 3) machinery size - one-row, four-row, and six-row equipment
- 4) technology level - technology exceeds that typically found on Louisiana farms

Productive inputs are summarized under direct and fixed expense headings. For each crop, an 'estimated operation costs per acre' table details the sequence of operations; operating inputs including machinery, labor and material; total cost for each input; and total specified expenses. A second table provides a summary of estimated costs per acre by major input headings, and costs are presented as total direct expenses and total fixed expenses. In a third table, alternative yields and prices above and below a base level are used to illustrate the impact of alternative price and yield levels on returns above total direct expenses. The quantity of harvest labor and packing supplies included varies with level of output.

A summary of base prices and yields, total direct expenses, and returns above total direct expenses is presented in Table 1. The general basis for product prices is that reported by the Louisiana Cooperative Extension Service in its annual overview of the state's agriculture.

For 2007, the production practices incorporated into the budgets changed little from 2006. Fuel prices (both gasoline and diesel) moved lower during 2006 and are expected to remain lower. Surveys indicate that agricultural chemical prices, with an occasional exception, are similar to the levels experienced in the 2006 season. Another fuel price, natural gas, is a factor in greenhouse tomato production. Since 2002, the price of natural gas price increased through the winter of 2005-06, but retreated to an extent during 2006 and is expected to be somewhat lower than the average for 2006. Electricity cost is expected to change little, and reflects fuel surcharges typical in Louisiana.

In past years, sweet potato yield and price was reported in hundredweights, as reported by Louisiana Agricultural Statistics Service. However, farmers typically think of yield in 40 pound bushel boxes. In addition, there are two components of revenue - fresh market sales and processing market sales. To increase the usefulness of the reports to farmers, the base yield was changed to 250 boxes per acre in tables 18 to 20. Each box is assumed to be sold in the fresh market as a combination of #1, #2 and jumbos, at an average price of \$12.75 for 1-row farmers who sell to packer/shippers, and \$15.75 for farmers who have packing/shipping facilities. The remainder of the crop goes to canners, in which case the effective price per bushel is assumed to be \$1.50 after trucking costs and additional grade-out by the canner. Our revenue estimate does not include sales to canners.

Regarding Risk in Producing and Marketing Vegetables

Fresh market prices vary widely within the year and from year to year, and vegetable crop yields can vary widely between years. As noted above, many vegetable budgets assume that produce will be sold fresh to consumers or to wholesalers who deal in fresh produce. In this market, producers can expect low price in years when weather is favorable and/or production expands for other reasons, because the local market is particularly sensitive to supply levels. Price paid by wholesalers and shippers would be responsive to conditions in other producing areas and to product demand.

Vegetable producers also are confronted with yield risk from factors such as weather and disease. This risk may be reduced through cultural practices such as irrigation and appropriate disease prevention and control measures. However, such measures offer only partial protection against variations in yield. Before committing resources to production of any vegetable crop, growers should consider their ability to withstand the impact of adverse financial events.

Results

Returns to growers' managerial ability depends on their willingness to accept risk, the market channel used, and the degree of mechanization and investment. At the per acre cost levels that resulted from the budgeting procedure, and using revenues from base prices and yields, returns above direct expenses varied widely. Higher technology levels provided higher estimates of returns compared with the typical technologies, as shown by tomato, cabbage and bell peppers budgets. Larger machinery (four-row) reduced cost and provided higher net returns compared with one-row machines, even when selling price was reduced to account for sales to the fresh wholesale market. A tomatoes crop produced using advanced technologies, and assuming a yield appropriate to that technology, was highest in estimated net return at \$5461.75. Except for pumpkins and bare soil tomatoes, estimated net returns are sufficient to cover direct costs of production, including hourly charges for all labor. A majority of crop situations provided returns above direct expense in the range between \$100.00 and \$1000.00 per acre, while many other budgeted situations produced returns above direct costs between \$1,000.00 and \$2,000.00 per acre.

This information is intended as a guide only. Growers should adapt the information to their own yield and price expectations. By using machinery cost data presented in Appendix Tables 1-5, cost per hour for each machine operation can be approximated. Costs for selected operations may be substituted for those shown in the budget. Other inputs and costs may be substituted in a similar manner to tailor the budget to any individual producer's situation.

Table 1. Yields, prices, costs and returns for selected vegetable crops, Louisiana, 2007.

Crop	Yield Per Unit	Budgeted 2005 price	Total Direct Expense	Returns Above Direct Expense
				Dollars Per Acre
Beans, Butter 1R	100 bu	20.00	1629.09	370.91
Beans, Snap 1R	150 bu	15.00	1283.56	966.44
Broccoli, fresh 1R	300 boxes	9.00	2723.48	-23.48
Cabbage, fall 1R	600 50 lb sacks	5.25	2293.09	856.91
Cabbage, spring 1R	600 50 lb sacks	5.75	2602.44	1261.84
Cantaloupe 1R	2500 melons	1.25	2071.74	1053.26
Cauliflower 1R	300 boxes	10.00	2396.39	603.61
Corn, Sweet 1R	600 doz	3.00	1440.88	359.12
Cucumber, fresh 1R	300 bu	8.50	2118.40	431.60
Eggplant, 1R	450 bu	9.00	4156.25	-106.25
Greens, Mustard 1R	600 dz. bunches	4.00	2231.60	365.67
Okra, fresh 1R	240 bu	20.00	3492.64	1307.36
Peas, Southern 1R	100 bu	20.00	1715.25	284.75
Peppers, Bell 1R	900 bu	8.00	5791.63	1408.37
Peppers, Bell 4R	900 bu	8.00	5728.59	1471.41
Potatoes, Irish 1R	150 cwt	15.00	1772.50	477.50
Sweetpotato 1R	250 boxes	12.75	1744.69	317.81
Sweetpotato, 4R, one-row riding harvester	250 boxes	15.75	1806.08	706.42
Sweetpotato, 6R, two-row riding harvester	250 boxes	15.75	1694.60	817.90
Shallots 1R	2000 dz. bunches	2.00	3873.27	126.73
Squash, fresh 1R	375 3/4 bu boxes	7.50	2639.49	173.01
Strawberries, row covers/drip irrigation	2200 flats	8.00	17724.67	2075.33
Tomato, 1 R	900 20 lb boxes	9.00	7635.95	464.05
Tomato, plastic mulch and drip irrigation	1600 20 lb boxes	9.00	8938.25	5461.75
Watermelon 1R	200 cwt	7.00	1370.26	29.74
Beans (Butter) mechanical harvest	75 bu	20.00	1019.35	480.65
Beans(Snap) mechanical harvest	100 bu	12.00	1197.47	2.53

Crop	Yield Per Unit	Budgeted 2005 price	Total Direct Expense	Returns Above Direct Expense
				Dollars Per Acre
Cabbage, hybrid, double drilled, 6-row equipment	700 sacks	3.75	1994.72	630.28
Cucumber, hybrid, trellised	500 bu	9.00	4178.29	321.71
Eggplant, trellis, bare soil	450.00	9.00	3861.22	188.78
Eggplant, trellis, plastic mulch, irrigated	600 bu	9.00	5380.53	19.47
Peas, Southern, mechanical harvest	75 bu	20.00	809.45	690.55
Peppers, Bell, 4-R, drip-irrigated	1600.00	7.00	9973.48	1226.52
Pumpkins, fresh, irrigated	170 cwt	7.00	1354.19	-164.19
Tomatoes, bare soil, not irrigated	700 20 lb boxes	9.00	3925.75	2374.25
Tomatoes, greenhouse, fall and spring crops	660 20 lb boxes per greenhouse	27.00	17929.47	-109.47
Watermelon, plastic mulch	300 cwt	8.00	1750.15	649.85

Table 2.A Estimated resource use and costs per acre for field operations Beans (Butter), fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Jan							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	1.00	Jan	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	2.00	Mar	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Disk & herb appl 2R	6 ft	23	0.590	1.00	Apr	1.84	0.93	0.83	1.18	0.649	9.93				14.71
Treflan	pt											1.2500	2.87	3.59	3.59
Dual	pt											1.5000	13.55	20.33	20.33
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Apr	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											400.0000	0.11	45.20	45.20
Hipper 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Conditioner, row 1R	6 ft	23	0.410	1.00	Apr	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Planter 1R	3 ft	23	1.500	1.00	Apr	4.67	2.37	0.35	0.56	1.650	25.25				33.20
Butter bean seed	lbs											50.0000	1.50	75.00	75.00
Other labor	hour			1.00	May							6.0000	9.60	57.60	57.60
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Basagran	pt											1.0000	10.26	10.26	10.26
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Orthene	lbs											0.5000	11.90	5.95	5.95
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Bravo	pt											1.5000	6.35	9.52	9.52
Orthene	lbs											0.5000	11.90	5.95	5.95
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Orthene	lbs											0.5000	11.90	5.95	5.95
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											1.0000	5.41	5.41	5.41
Benlate	lb											1.0000	15.95	15.95	15.95
Sprayer, boom	12 ft	23	0.190	1.00	Jul	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											1.0000	5.41	5.41	5.41
Benlate	lb											1.0000	15.95	15.95	15.95
Trailer small	8 ft	23	1.000	1.00	Jul	3.11	1.58	0.24	0.86	1.100	16.83				22.62
Harvest Labor	bu.			1.00	Jul							100.0000	8.00	800.00	800.00
Harvest container	each											8.0000	1.00	8.00	8.00
Bushel hampers	each											33.0000	2.25	74.25	74.25
Pickup truck	1/2 ton		1.000	5.00	Jul			47.50	44.83	5.000	76.50				168.83
Disk 2R	6 ft	43	0.570	2.00	Jul	6.55	3.86	1.40	2.00	1.254	19.19				33.00
TOTALS						50.53	27.00	59.71	62.16	20.202	309.09			1188.16	1696.64
INTEREST ON OPERATING CAPITAL															21.60
TOTAL SPECIFIED COST															1718.24

Table 2.B Summary of estimated costs per acre Beans (Butter),
fresh market, one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	58.40	1.0000	58.40
FUNGICIDES	acre	41.43	1.0000	41.43
HERBICIDES	acre	44.81	1.0000	44.81
HIRED LABOR	acre	57.60	1.0000	57.60
INSECTICIDES	acre	28.67	1.0000	28.67
PACK & HARVEST ITEMS	acre	82.25	1.0000	82.25
SEED	acre	75.00	1.0000	75.00
HARVEST LABOR	acre	800.00	1.0000	800.00
OPERATOR LABOR	hour	15.30	20.2020	309.09
DIESEL FUEL	gal	2.10	6.2985	13.23
GASOLINE	gal	2.30	24.8961	57.26
REPAIR & MAINTENANCE	acre	39.75	1.0000	39.75
INTEREST ON OP. CAP.	acre	21.60	1.0000	21.60
TOTAL DIRECT EXPENSES				1629.09
TOTAL FIXED EXPENSES				89.15
TOTAL SPECIFIED EXPENSES				1718.24

Table 2C. Effects of yields and prices on net returns per acre above
total direct expenses, Bean (Butter), fresh market, one-row
equipment, average yield, Louisiana, 2007.

Yield (Bushels)	-----Price Per Bushel-----				
	16.00	18.00	20.00	22.00	24.00
	-----Net Returns Per Acre-----				
70.00	-239.09	-99.09	40.91	180.91	320.91
85.00	-134.09	35.91	205.91	375.91	545.91
100.00	-29.09	170.91	370.91	570.91	770.91
115.00	75.91	305.91	535.91	765.91	995.91
130.00	180.91	440.91	700.91	960.91	1220.91

Table 3.A Estimated resource use and costs per acre for field operations Beans (Snap), fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Feb							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	1.00	Feb	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	2.00	Mar	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Sprayer, boom	12 ft	23	0.190	1.00	Mar	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Treflan	pt											1.2500	2.87	3.59	3.59
Dual	pt											1.5000	13.55	20.33	20.33
Disk 2R	6 ft	43	0.570	1.00	Mar	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Mar	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											400.0000	0.11	45.20	45.20
Hipper 1R	3 ft	23	1.530	2.00	Mar	9.53	4.84	1.35	1.92	3.366	51.50				69.13
Conditioner, row 1R	6 ft	23	0.410	1.00	Mar	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Planter 1R	3 ft	23	1.500	1.00	Mar	4.67	2.37	0.35	0.56	1.650	25.25				33.20
Snap bean seeds	lbs											40.0000	1.50	60.00	60.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Orthene	lbs											0.5000	11.90	5.95	5.95
Bravo	pt											1.5000	6.35	9.52	9.52
Other labor	hour			1.00	Apr							6.0000	9.60	57.60	57.60
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Basagran	pt											1.0000	10.26	10.26	10.26
Cultivator 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Orthene	lbs											0.5000	11.90	5.95	5.95
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											1.0000	5.41	5.41	5.41
Topsin M	lb											1.0000	16.60	16.60	16.60
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											1.0000	5.41	5.41	5.41
Topsin M	lb											1.0000	16.60	16.60	16.60
Trailer utility	10 ft	23	1.000	1.00	Jun	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	bu			1.00	Jun							150.0000	3.00	450.00	450.00
Harvest container	each											10.0000	1.00	10.00	10.00
Bushel hampers	each											50.0000	2.25	112.50	112.50
Pickup truck	1/2 ton		1.000	5.00	Jun			47.50	44.83	5.000	76.50				168.83
Disk 2R	6 ft	43	0.570	1.00	Jun	3.27	1.93	0.70	1.00	0.627	9.59				16.50
TOTALS						48.69	26.07	58.24	60.11	19.553	299.16			858.76	1351.02
INTEREST ON OPERATING CAPITAL															18.72
TOTAL SPECIFIED COST															1369.74

Table 3.B Summary of estimated costs per acre Beans (Snap), fresh market, one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	58.40	1.0000	58.40
FUNGICIDES	acre	42.73	1.0000	42.73
HERBICIDES	acre	44.81	1.0000	44.81
HIRED LABOR	acre	57.60	1.0000	57.60
INSECTICIDES	acre	22.72	1.0000	22.72
PACK & HARVEST ITEMS	acre	122.50	1.0000	122.50
SEED	acre	60.00	1.0000	60.00
HARVEST LABOR	acre	450.00	1.0000	450.00
OPERATOR LABOR	hour	15.30	19.5530	299.16
DIESEL FUEL	gal	2.10	6.2985	13.23
GASOLINE	gal	2.30	24.2294	55.73
REPAIR & MAINTENANCE	acre	37.97	1.0000	37.97
INTEREST ON OP. CAP.	acre	18.72	1.0000	18.72
TOTAL DIRECT EXPENSES				1283.56
TOTAL FIXED EXPENSES				86.18
TOTAL SPECIFIED EXPENSES				1369.74

Table 3C. Effects of yields and prices on net returns per acre above total direct expenses, Bean (Snap), fresh market, one-row equipment, average yield, Louisiana, 2007.

Yield (Bushels)	-----Price Per Bushel-----				
	11.00	13.00	15.00	17.00	19.00
	-----Net Returns Per Acre-----				
120.00	193.94	433.94	673.94	913.94	1153.94
135.00	280.19	550.19	820.19	1090.19	1360.19
150.00	366.44	666.44	966.44	1266.44	1566.44
165.00	452.69	782.69	1112.69	1442.69	1772.69
180.00	538.94	898.94	1258.94	1618.94	1978.94

Table 4.A Estimated resource use and costs per acre for field operations Broccoli, irrigated, transplanted, fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Jul							6.6000	2.00	13.20	13.20
Middle buster 1R	3 ft	23	1.530	1.00	Jul	4.76	2.42	0.34	0.48	1.683	25.75				33.75
Disk 2R	6 ft	43	0.570	2.00	Jul	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Disk & herb appl 2R	6 ft	23	0.590	1.00	Jul	1.84	0.93	0.83	1.18	0.649	9.93				14.71
Treflan	pt											1.0000	2.87	2.87	2.87
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Jul	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											600.0000	0.11	67.80	67.80
Hipper 1R	3 ft	23	1.530	2.00	Aug	9.53	4.84	1.35	1.92	3.366	51.50				69.13
Conditioner, row 1R	6 ft	23	0.410	1.00	Aug	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Trailer utility	10 ft	23	1.000	1.00	Aug	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Broccoli plants	100											150.0000	4.40	660.00	660.00
Planting labor	hour											25.0000	9.60	240.00	240.00
Other labor	hour			1.00	Aug							2.0000	9.60	19.20	19.20
Sprayer, boom	12 ft	23	0.190	1.00	Sep	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Thiodan	lb											1.0000	6.50	6.50	6.50
Cultivate & fert 1R	3 ft	23	1.610	1.00	Sep	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33% lb												150.0000	0.13	19.50	19.50
Irrigation, furrow	acin			1.00	Sep			7.60	55.50	2.000	19.20	2.0000			82.30
Cultivator 1R	3 ft	23	1.530	1.00	Sep	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	Oct	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.2500	14.00	3.50	3.50
Sprayer, boom	12 ft	23	0.190	1.00	Oct	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Bravo	pt											1.5000	6.35	9.52	9.52
Irrigation, furrow	acin			1.00	Oct			7.60		2.000	19.20	2.0000			26.80
Cultivate & fert 1R	3 ft	23	1.610	1.00	Oct	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33% lb												150.0000	0.13	19.50	19.50
Sprayer, boom	12 ft	23	0.190	1.00	Oct	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Confirm	lb											0.5000	23.36	11.68	11.68
Dipel	pt											1.0000	4.47	4.47	4.47
Sprayer, boom	12 ft	23	0.190	1.00	Oct	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	Nov	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.2500	14.00	3.50	3.50
Cultivate & fert 1R	3 ft	23	1.610	1.00	Nov	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33% lb												150.0000	0.13	19.50	19.50
Irrigation, furrow	acin			1.00	Nov			7.60		2.000	19.20	2.0000			26.80
Sprayer, boom	12 ft	23	0.190	1.00	Nov	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.2500	14.00	3.50	3.50
Sprayer, boom	12 ft	23	0.190	1.00	Nov	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Confirm	lb											0.5000	23.36	11.68	11.68
Dipel	pt											1.0000	4.47	4.47	4.47
Harvest labor	hour			1.00	Nov							30.0000	9.60	288.00	288.00
Rubber bands	lbs											1.0000	5.00	5.00	5.00
Harvest container	each											8.0000	1.00	8.00	8.00
Packing labor	hour			1.00	Nov							8.0000	9.60	76.80	76.80
Packing boxes	each			1.00	Nov							300.0000	1.25	375.00	375.00
Ice	cwt											30.0000	7.10	213.00	213.00
Pickup truck	1/2 ton		1.000	5.00	Nov			47.50	44.83	5.000	76.50				168.83
Disk 2R	6 ft	43	0.570	1.00	Nov	3.27	1.93	0.70	1.00	0.627	9.59				16.50
TOTALS						59.70	31.12	86.03	122.55	30.503	432.50			2096.84	2828.72
INTEREST ON OPERATING CAPITAL															48.42
TOTAL SPECIFIED COST															2877.15

Table 4.B Summary of estimated costs per acre Broccoli, irrigated, transplanted, fresh market, one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	139.50	1.0000	139.50
FUNGICIDES	acre	9.52	1.0000	9.52
HERBICIDES	acre	13.51	1.0000	13.51
HIRED LABOR	acre	259.20	1.0000	259.20
INSECTICIDES	acre	49.30	1.0000	49.30
PACK & HARVEST ITEMS	acre	601.00	1.0000	601.00
PLANTS	acre	660.00	1.0000	660.00
HARVEST LABOR	acre	364.80	1.0000	364.80
OPERATOR LABOR	hour	15.30	24.5030	374.90
IRRIGATION LABOR	hour	9.60	6.0000	57.60
DIESEL FUEL	gal	2.10	3.7791	7.94
ELECTRICITY	kWh	0.15	36.0000	5.40
GASOLINE	gal	2.30	30.6026	70.39
REPAIR & MAINTENANCE	acre	62.00	1.0000	62.00
INTEREST ON OP. CAP.	acre	48.42	1.0000	48.42
TOTAL DIRECT EXPENSES				2723.48
TOTAL FIXED EXPENSES				153.67
TOTAL SPECIFIED EXPENSES				2877.15

Table 4C. Effects of yields and prices on net returns per acre above total direct expenses, Broccoli, irrigated, transplanted, fresh market, one-row equipment, average yield, Louisiana, 2007.

Yield (Boxes)	Price Per Box				
	6.00	7.50	9.00	10.50	12.00
	-----Net Returns Per Acre-----				
180.00	-1347.32	-1077.32	-807.32	-537.32	-267.32
240.00	-1135.40	-775.40	-415.40	-55.40	304.60
300.00	-923.48	-473.48	-23.48	426.52	876.52
360.00	-711.56	-171.56	368.44	908.44	1448.44
420.00	-499.64	130.36	760.36	1390.36	2020.36

Table 5.A Estimated resource use and costs per acre for field operations Cabbage (fall), direct seeded, irrigated, fresh market, row equipment, average yield Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Jul							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	2.00	Jul	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Disk & herb appl 2R	6 ft	23	0.590	1.00	Jul	1.84	0.93	0.83	1.18	0.649	9.93				14.71
Treflan	pt											1.2500	2.87	3.59	3.59
Middle buster 1R	3 ft	23	1.530	1.00	Jul	4.76	2.42	0.34	0.48	1.683	25.75				33.75
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Jul	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											500.0000	0.11	56.50	56.50
Hipper 1R	3 ft	23	1.530	2.00	Aug	9.53	4.84	1.35	1.92	3.366	51.50				69.13
Conditioner, row 1R	6 ft	23	0.410	1.00	Aug	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Planter 1R	3 ft	23	1.500	1.00	Aug	4.67	2.37	0.35	0.56	1.650	25.25				33.20
Cabbage seed	lbs											1.0000	272.00	272.00	272.00
Other labor	hour			1.00	Aug							10.0000	9.60	96.00	96.00
Sprayer, boom	12 ft	23	0.190	1.00	Sep	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Confirm	lb											0.5000	23.36	11.68	11.68
Dipel	pt											1.0000	4.47	4.47	4.47
Buffer	pt											1.0000	2.00	2.00	2.00
Cultivate & fert 1R	3 ft	23	1.610	1.00	Sep	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33% lb												100.0000	0.13	13.00	13.00
Irrigation, furrow	acin			1.00	Sep			7.60	55.50	2.000	19.20			2.0000	82.30
Cultivate & fert 1R	3 ft	23	1.610	1.00	Sep	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33% lb												100.0000	0.13	13.00	13.00
Sprayer, boom	12 ft	23	0.190	1.00	Sep	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Cultivate & fert 1R	3 ft	23	1.610	1.00	Oct	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33% lb												100.0000	0.13	13.00	13.00
Sprayer, boom	12 ft	23	0.190	1.00	Oct	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Confirm	lb											0.5000	23.36	11.68	11.68
Dipel	pt											1.0000	4.47	4.47	4.47
Buffer	pt											1.0000	2.00	2.00	2.00
Irrigation, furrow	acin			1.00	Oct			7.60		2.000	19.20			2.0000	26.80
Sprayer, boom	12 ft	23	0.190	1.00	Nov	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.2500	14.00	3.50	3.50
Dipel	pt											1.0000	4.47	4.47	4.47
Buffer	pt											1.0000	2.00	2.00	2.00
Irrigation, furrow	acin			1.00	Nov			7.60		2.000	19.20			2.0000	26.80
Trailer utility	10 ft	23	1.000	2.00	Dec	6.23	3.16	0.53	1.90	2.200	33.66				45.49
Harvest labor	hour			1.00	Dec							42.0000	9.60	403.20	403.20
Packing labor	hour			1.00	Dec							15.0000	9.60	144.00	144.00
Packing sacks	each											600.0000	0.75	450.00	450.00
Pickup truck	1/2 ton		1.000	10.00	Dec			95.00	89.67	10.000	153.00				337.67
Disk 2R	6 ft	43	0.570	2.00	Dec	6.55	3.86	1.40	2.00	1.254	19.19				33.00
TOTALS						63.63	33.38	132.45	166.86	36.361	522.12			1534.40	2452.84
INTEREST ON OPERATING CAPITAL															40.49
TOTAL SPECIFIED COST															2493.34

Table 5.B Summary of estimated costs per acre,
Cabbage (fall), direct seeded, irrigated, fresh market,
row equipment, average yield Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	108.70	1.0000	108.70
HERBICIDES	acre	14.23	1.0000	14.23
HIRED LABOR	acre	96.00	1.0000	96.00
INSECTICIDES	acre	46.27	1.0000	46.27
PACK & HARVEST ITEMS	acre	450.00	1.0000	450.00
SEED	acre	272.00	1.0000	272.00
HARVEST LABOR	acre	547.20	1.0000	547.20
OPERATOR LABOR	hour	15.30	30.3610	464.52
IRRIGATION LABOR	hour	9.60	6.0000	57.60
DIESEL FUEL	gal	2.10	5.0388	10.58
ELECTRICITY	kWh	0.15	36.0000	5.40
GASOLINE	gal	2.30	43.3399	99.68
REPAIR & MAINTENANCE	acre	80.42	1.0000	80.42
INTEREST ON OP. CAP.	acre	40.49	1.0000	40.49
TOTAL DIRECT EXPENSES				2293.09
TOTAL FIXED EXPENSES				200.24
TOTAL SPECIFIED EXPENSES				2493.34

Table 5C. Effects of yields and prices on net returns per acre above
total direct expenses, Cabbage, (fall hybrid), direct seeded,
irrigated, fresh market, one-row equipment, average yield,
Louisiana, 2007.

Yield (Sacks)	Price Per Sack				
	3.25	4.25	5.25	6.25	7.25
	-----Net Returns Per Acre-----				
400.00	-722.29	-322.29	77.71	477.71	877.71
500.00	-532.69	-32.69	467.31	967.31	1467.31
600.00	-343.09	256.91	856.91	1456.91	2056.91
700.00	-153.49	546.51	1246.51	1946.51	2646.51
800.00	36.11	836.11	1636.11	2436.11	3236.11

Table 6.A Estimated resource use and costs per acre for field operations Cabbage (spring), transplant, irrigated, fresh market, one row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Jan							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	2.00	Jan	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Sprayer, boom	12 ft	23	0.190	1.00	Jan	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Treflan	pt											1.2500	2.87	3.59	3.59
Disk 2R	6 ft	43	0.570	1.00	Jan	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Jan	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											500.0000	0.11	56.50	56.50
Hipper 1R	3 ft	23	1.530	1.00	Jan	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Conditioner, row 1R	6 ft	23	0.410	1.00	Jan	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Trailer utility	10 ft	23	1.000	1.00	Jan	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Planting labor	hour											20.0000	9.60	192.00	192.00
Cabbage plants	100											120.0000	4.25	510.00	510.00
Irrigation, furrow	acin			1.00	Feb			7.60	55.50	2.000	19.20	2.0000			82.30
Cultivate & fert 1R	3 ft	23	1.610	1.00	Feb	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33% lb												100.0000	0.13	13.00	13.00
Sprayer, boom	12 ft	23	0.190	1.00	Mar	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Confirm	lb											0.5000	23.36	11.68	11.68
Dipel	pt											1.0000	4.47	4.47	4.47
Buffer	pt											1.0000	2.00	2.00	2.00
Cultivate & fert 1R	3 ft	23	1.610	1.00	Mar	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33% lb												100.0000	0.13	13.00	13.00
Cultivator 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Irrigation, furrow	acin			1.00	Mar			7.60	2.000	19.20		2.0000			26.80
Cultivate & fert 1R	3 ft	23	1.610	1.00	Apr	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33% lb												100.0000	0.13	13.00	13.00
Cultivator 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.2500	14.00	3.50	3.50
Dipel	pt											1.0000	4.47	4.47	4.47
Buffer	pt											1.0000	2.00	2.00	2.00
Pickup truck	1/2 ton		1.000	10.00	May			95.00	89.67	10.000	153.00				337.67
Trailer utility	10 ft	23	1.000	2.00	May	6.23	3.16	0.53	1.90	2.200	33.66				45.49
Harvest labor	hour			1.00	May							42.0000	9.60	403.20	403.20
Packing labor	hour			1.00	May							15.0000	9.60	144.00	144.00
Packing sacks	each											600.0000	0.75	450.00	450.00
Middle buster 1R	3 ft	23	1.530	1.00	May	4.76	2.42	0.34	0.48	1.683	25.75				33.75
Hipper 1R	3 ft	23	1.530	1.00	May	4.76	2.42	0.67	0.96	1.683	25.75				34.56
TOTALS						65.90	34.26	125.67	168.62	35.692	523.29			1839.61	2757.34
INTEREST ON OPERATING CAPITAL															47.98
TOTAL SPECIFIED COST															2805.32

Table 6.B Summary of estimated costs per acre Cabbage (spring), transplant, irrigated, fresh market, one row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	108.70	1.0000	108.70
HERBICIDES	acre	3.59	1.0000	3.59
HIRED LABOR	acre	192.00	1.0000	192.00
INSECTICIDES	acre	28.12	1.0000	28.12
PACK & HARVEST ITEMS	acre	450.00	1.0000	450.00
PLANTS	acre	510.00	1.0000	510.00
HARVEST LABOR	acre	547.20	1.0000	547.20
OPERATOR LABOR	hour	15.30	31.6920	484.89
IRRIGATION LABOR	hour	9.60	4.0000	38.40
DIESEL FUEL	gal	2.10	3.7791	7.94
ELECTRICITY	kWh	0.15	24.0000	3.60
GASOLINE	gal	2.30	45.3513	104.31
REPAIR & MAINTENANCE	acre	75.72	1.0000	75.72
INTEREST ON OP. CAP.	acre	47.98	1.0000	47.98
TOTAL DIRECT EXPENSES				2602.44
TOTAL FIXED EXPENSES				202.88
TOTAL SPECIFIED EXPENSES				2805.32

Table 6C. Effects of yields and prices on net returns per acre above total direct expenses, Cabbage, (spring hybrid), transplanted, irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

Yield (Sacks)	Price Per Sack				
	3.75	4.75	5.75	6.75	7.75
	-----Net Returns Per Acre-----				
400.00	-402.96	-2.96	397.04	797.04	1197.04
500.00	-170.56	329.44	829.44	1329.44	1829.44
600.00	61.84	661.84	1261.84	1861.84	2461.84
700.00	294.24	994.24	1694.24	2394.24	3094.24
800.00	526.64	1326.64	2126.64	2926.64	3726.64

Table 7.A Estimated resource use and costs per acre for field operations Cantaloupes, hybrid, irrigated, local fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Jan							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	1.00	Jan	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	2.00	Mar	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Hipper 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Mar	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											500.0000	0.11	56.50	56.50
Conditioner, row 1R	6 ft	23	0.410	1.00	Apr	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Planter 1R	3 ft	23	1.500	1.00	Apr	4.67	2.37	0.35	0.56	1.650	25.25				33.20
Cantaloupe seed	lbs											2.0000	338.00	676.00	676.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Curbit	pt											3.0000	4.76	14.28	14.28
Irrigation, furrow	acin			1.00	Apr			7.60	55.50	2.000	19.20	2.0000			82.30
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Thiodan	lb											0.5000	6.50	3.25	3.25
Cultivate & fert 1R	3 ft	23	1.610	1.00	Apr	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33%	lb											100.0000	0.13	13.00	13.00
Middle buster 1R	3 ft	0	1.530	1.00	Apr			0.34	0.48						0.82
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											0.6000	5.41	3.25	3.25
Bravo	pt											1.5000	6.35	9.52	9.52
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Quadris	pt											0.7000	30.56	21.39	21.39
Other labor	hour			1.00	May							8.0000	9.60	76.80	76.80
Irrigation, furrow	acin			1.00	May			7.60		2.000	19.20	2.0000			26.80
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Quadris	pt											0.7000	30.56	21.39	21.39
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Bravo	pt											2.5000	6.35	15.88	15.88
Topsin M	lb											0.5000	16.60	8.30	8.30
Sevin	lbs											0.6000	5.41	3.25	3.25
Irrigation, furrow	acin			1.00	Jun			7.60		2.000	19.20	2.0000			26.80
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Bravo	pt											1.5000	6.35	9.52	9.52
Sevin	lbs											0.6000	5.41	3.25	3.25
Harvest labor	hour			1.00	Jul							50.0000	9.60	480.00	480.00
Harvest container	each											8.0000	1.00	8.00	8.00
Pickup truck	1/2 ton		1.000	10.00	Jul			95.00	89.67	10.000	153.00				337.67
Shredder 1R	5 ft	23	0.740	1.00	Jul	2.30	1.17	0.36	0.93	0.814	12.45				17.21
Middle buster 1R	3 ft	23	1.530	1.00	Jul	4.76	2.42	0.34	0.48	1.683	25.75				33.75
TOTALS						42.17	22.22	127.91	159.31	29.310	414.24			1447.42	2213.26
INTEREST ON OPERATING CAPITAL															40.00
TOTAL SPECIFIED COST															2253.26

Table 7.B Summary of estimated costs per acre,
Cantaloupes, hybrid, irrigated, local fresh market,
one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	82.70	1.0000	82.70
FUNGICIDES	acre	86.01	1.0000	86.01
HERBICIDES	acre	24.92	1.0000	24.92
HIRED LABOR	acre	76.80	1.0000	76.80
INSECTICIDES	acre	12.99	1.0000	12.99
PACK & HARVEST ITEMS	acre	8.00	1.0000	8.00
SEED	acre	676.00	1.0000	676.00
HARVEST LABOR	acre	480.00	1.0000	480.00
OPERATOR LABOR	hour	15.30	23.3100	356.64
IRRIGATION LABOR	hour	9.60	6.0000	57.60
DIESEL FUEL	gal	2.10	3.7791	7.94
ELECTRICITY	kWh	0.15	36.0000	5.40
GASOLINE	gal	2.30	36.7407	84.50
REPAIR & MAINTENANCE	acre	72.24	1.0000	72.24
INTEREST ON OP. CAP.	acre	40.00	1.0000	40.00

TOTAL DIRECT EXPENSES				2071.74
TOTAL FIXED EXPENSES				181.52

TOTAL SPECIFIED EXPENSES				2253.26

Table 7C. Effects of yields and prices on net returns per acre above
total direct expenses, Cantaloupes, hybrid, irrigated, fresh
market, one-row equipment, average yield, Louisiana, 2007.

Yield (melons)	-----Price Per Melon-----				
	0.75	1.00	1.25	1.50	1.75
-----Net Returns Per Acre-----					
1500.00	-658.74	-283.74	91.26	466.26	841.26
2000.00	-427.74	72.26	572.26	1072.26	1572.26
2500.00	-196.74	428.26	1053.26	1678.26	2303.26
3000.00	34.26	784.26	1534.26	2284.26	3034.26
3500.00	265.26	1140.26	2015.26	2890.26	3765.26

Table 8.A Estimated resource use and costs per acre for field operations Cauliflower, irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
-----dollars-----															
Lime (spread)	cwt			1.00	Jul										
Disk 2R	6 ft	43	0.570	1.00	Jul	3.27	1.93	0.70	1.00	0.627	9.59	6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	1.00	Aug	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk & herb appl 2R	6 ft	23	0.590	1.00	Aug	1.84	0.93	0.83	1.18	0.649	9.93				14.71
Treflan	pt											1.2500	2.87	3.59	3.59
Hipper 1R	3 ft	23	1.530	1.00	Aug	4.76	2.42	0.67	0.96	1.683	25.75				34.56
13-13-13	lb											800.0000	0.18	146.40	146.40
Hipper 1R	3 ft	23	1.530	1.00	Aug	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Trailer utility	10 ft	23	1.000	1.00	Aug	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Planting labor	hour											20.0000	9.60	192.00	192.00
Cauliflower plants	100											85.0000	4.50	382.50	382.50
Irrigation, furrow	acin			1.00	Aug			7.60	55.50	2.000	19.20	2.0000			82.30
Other labor	hour			1.00	Aug							4.0000	9.60	38.40	38.40
Sprayer, boom	12 ft	23	0.190	1.00	Sep	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Confirm	lb											0.5000	23.36	11.68	11.68
Dipel	pt											1.0000	4.47	4.47	4.47
Buffer	pt											1.0000	2.00	2.00	2.00
Cultivator 1R	3 ft	23	1.530	1.00	Sep	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Irrigation, furrow	acin			1.00	Sep			7.60		2.000	19.20	2.0000			26.80
Cultivator 1R	3 ft	23	1.530	1.00	Oct	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	Oct	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Confirm	lb											0.5000	23.36	11.68	11.68
Dipel	pt											1.0000	4.47	4.47	4.47
Buffer	pt											1.0000	2.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	Oct	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Solubore	lb											1.0000	1.10	1.10	1.10
Sodium Molybdate	lb											0.2500	18.00	4.50	4.50
Cultivator 1R	3 ft	23	1.530	1.00	Oct	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Irrigation, furrow	acin			1.00	Oct			7.60		2.000	19.20	2.0000			26.80
Sprayer, boom	12 ft	23	0.190	1.00	Oct	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Blanching labor	hour			1.00	Nov							15.0000	9.60	144.00	144.00
Trailer utility	10 ft	23	1.000	2.00	Nov	6.23	3.16	0.53	1.90	2.200	33.66				45.49
Harvest labor	hour			1.00	Nov							30.0000	9.60	288.00	288.00
Packing labor	hour			1.00	Nov							11.0000	9.60	105.60	105.60
Packing boxes	each			1.00	Nov							300.0000	1.25	375.00	375.00
Pickup truck	1/2 ton		1.000	10.00	Nov			95.00	89.67	10.000	153.00				337.67
Disk 2R	6 ft	43	0.570	1.00	Nov	3.27	1.93	0.70	1.00	0.627	9.59				16.50
TOTALS						47.18	24.76	127.97	160.99	31.081	441.34			1741.23	2543.47
INTEREST ON OPERATING CAPITAL															38.67
TOTAL SPECIFIED COST															2582.14

Table 8.B Summary of estimated costs per acre,
Cauliflower, irrigated, fresh market, one-row
equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	165.20	1.0000	165.20
HERBICIDES	acre	14.23	1.0000	14.23
HIRED LABOR	acre	374.40	1.0000	374.40
INSECTICIDES	acre	36.30	1.0000	36.30
PACK & HARVEST ITEMS	acre	375.00	1.0000	375.00
PLANTS	acre	382.50	1.0000	382.50
HARVEST LABOR	acre	393.60	1.0000	393.60
OPERATOR LABOR	hour	15.30	25.0810	383.74
IRRIGATION LABOR	hour	9.60	6.0000	57.60
DIESEL FUEL	gal	2.10	3.7791	7.94
ELECTRICITY	kWh	0.15	36.0000	5.40
GASOLINE	gal	2.30	38.5600	88.69
REPAIR & MAINTENANCE	acre	73.13	1.0000	73.13
INTEREST ON OP. CAP.	acre	38.67	1.0000	38.67

TOTAL DIRECT EXPENSES				2396.39
TOTAL FIXED EXPENSES				185.75

TOTAL SPECIFIED EXPENSES				2582.14

Table 8C. Effects of yields and prices on net returns per acre above
total direct expenses, Cauliflower, irrigated, fresh market,
one-row equipment, average yield, Louisiana, 2007.

Yield (Boxes)	-----Price Per Box-----				
	7.00	8.50	10.00	11.50	13.00
	-----Net Returns Per Acre-----				
180.00	-845.17	-575.17	-305.17	-35.17	234.83
240.00	-570.78	-210.78	149.22	509.22	869.22
300.00	-296.39	153.61	603.61	1053.61	1503.61
360.00	-22.00	518.00	1058.00	1598.00	2138.00
420.00	252.39	882.39	1512.39	2142.39	2772.39

Table 9.A Estimated resource use and costs per acre for field operations Corn (Sweet), hybrid, fresh market, irrigated, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Feb							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	1.00	Feb	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Fertilizer buggy	30 ft	93	0.060	1.00	Mar	0.23	0.66			0.33	0.066	1.01			2.23
13-13-13	lb											750.0000	0.18	137.25	137.25
Disk 2R	6 ft	43	0.570	2.00	Mar	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Hipper 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Conditioner, row 1R	6 ft	23	0.410	1.00	Mar	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Planter & herb 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	0.65	1.05	1.683	25.75				34.63
Sweet corn seed	lbs											12.0000	8.76	105.12	105.12
Lorsban 4E	pt											4.0000	4.29	17.16	17.16
Sprayer, boom	12 ft	23	0.190	1.00	Mar	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Lasso	qt											6.0000	3.05	18.30	18.30
Cultivator 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Cultivate & fert 1R	3 ft	23	1.610	1.00	Apr	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33% lb												150.0000	0.13	19.50	19.50
Irrigation, furrow	acin			1.00	Apr			7.60	55.50	2.000	19.20	2.0000			82.30
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.5600	14.00	7.84	7.84
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.5600	14.00	7.84	7.84
Cultivate & fert 1R	3 ft	23	1.610	1.00	May	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33% lb												150.0000	0.13	19.50	19.50
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.5600	14.00	7.84	7.84
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.5600	14.00	7.84	7.84
Irrigation, furrow	acin			1.00	May			7.60		2.000	19.20	2.0000			26.80
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.5600	14.00	7.84	7.84
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.5600	14.00	7.84	7.84
Trailer utility	10 ft	23	1.000	1.00	Jun	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Packing sacks	each			1.00	Jun							130.0000	0.75	97.50	97.50
Harvest labor	hour			1.00	Jun							20.0000	9.60	192.00	192.00
Packing labor	hour			1.00	Jun							10.0000	9.60	96.00	96.00
Pickup truck	1/2 ton		1.000	12.60	Jun			119.70	112.98	12.600	192.78				425.46
Shredder 1R	5 ft	23	0.740	1.00	Jun	2.30	1.17	0.36	0.93	0.814	12.45				17.21
Disk 2R	6 ft	43	0.570	1.00	Jul	3.27	1.93	0.70	1.00	0.627	9.59				16.50
TOTALS						48.48	26.23	146.64	186.00	31.593	460.57			762.57	1630.49
INTEREST ON OPERATING CAPITAL															22.62
TOTAL SPECIFIED COST															1653.11

Table 9.B Summary of estimated costs per acre
 Corn (Sweet), hybrid, fresh market, irrigated,
 one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	189.45	1.0000	189.45
HERBICIDES	acre	18.30	1.0000	18.30
INSECTICIDES	acre	64.20	1.0000	64.20
PACK & HARVEST ITEMS	acre	97.50	1.0000	97.50
SEED	acre	105.12	1.0000	105.12
HARVEST LABOR	acre	288.00	1.0000	288.00
OPERATOR LABOR	hour	15.30	27.5930	422.17
IRRIGATION LABOR	hour	9.60	4.0000	38.40
DIESEL FUEL	gal	2.10	5.0388	10.58
ELECTRICITY	kWh	0.15	24.0000	3.60
GASOLINE	gal	2.30	44.2577	101.79
REPAIR & MAINTENANCE	acre	79.15	1.0000	79.15
INTEREST ON OP. CAP.	acre	22.62	1.0000	22.62
TOTAL DIRECT EXPENSES				1440.88
TOTAL FIXED EXPENSES				212.23
TOTAL SPECIFIED EXPENSES				1653.11

Table 9C. Effects of yields and prices on net returns per acre above
 total direct expenses, Corn (Sweet), hybrid, irrigated, fresh
 market, one-row equipment, average yield, Louisiana, 2007.

Yield (Dozen)	Price Per Dozen				
	2.00	2.50	3.00	3.50	4.00
	-----Net Returns Per Acre-----				
400.00	-464.08	-264.08	-64.08	135.92	335.92
500.00	-352.48	-102.48	147.52	397.52	647.52
600.00	-240.88	59.12	359.12	659.12	959.12
700.00	-129.28	220.72	570.72	920.72	1270.72
800.00	-17.68	382.32	782.32	1182.32	1582.32

Table 10.A Estimated resource use and costs per acre for field operations Cucumber, hybrid, irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Jan							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	1.00	Jan	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	2.00	Mar	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Middle buster 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	0.34	0.48	1.683	25.75				33.75
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Mar	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											500.0000	0.11	56.50	56.50
Hipper 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Conditioner, row 1R	6 ft	23	0.410	1.00	Apr	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Planter 1R	3 ft	23	1.500	1.00	Apr	4.67	2.37	0.35	0.56	1.650	25.25				33.20
Cucumber seed	lbs											1.0000	93.16	93.16	93.16
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Curbit	pt											3.0000	4.76	14.28	14.28
Irrigation, furrow	acin			1.00	Apr			7.60	55.50	2.000	19.20	2.0000			82.30
Other labor	hour			1.00	Apr							10.0000	9.60	96.00	96.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Thiodan	lb											0.5000	6.50	3.25	3.25
Cultivate & fert 1R	3 ft	23	1.610	1.00	Apr	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33%	lb											100.0000	0.13	13.00	13.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Quadris	pt											0.7000	30.56	21.39	21.39
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Quadris	pt											0.7000	30.56	21.39	21.39
Irrigation, furrow	acin			1.00	May			7.60		2.000	19.20	2.0000			26.80
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											0.6000	5.41	3.25	3.25
Bravo	pt											1.5000	6.35	9.52	9.52
Other labor	hour			1.00	May							8.0000	9.60	76.80	76.80
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Irrigation, furrow	acin			1.00	May			7.60		2.000	19.20	2.0000			26.80
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											0.6000	5.41	3.25	3.25
Bravo	pt											1.5000	6.35	9.52	9.52
Topsin M	lb											0.5000	16.60	8.30	8.30
Irrigation, furrow	acin			1.00	Jun			7.60		2.000	19.20	2.0000			26.80
Harvest labor	bu			1.00	Jun							300.0000	1.00	300.00	300.00
Harvest container	each			1.00	Jun							8.0000	1.00	8.00	8.00
Packing labor	hour			1.00	Jun							30.0000	9.60	288.00	288.00
Packing boxes	each			1.00	Jun							300.0000	1.25	375.00	375.00
Pickup truck	1/2 ton		1.000	10.00	Jun			95.00	89.67	10.000	153.00				337.67
Shredder 1R	5 ft	23	0.740	1.00	Jun	2.30	1.17	0.36	0.93	0.814	12.45				17.21
Disk 2R	6 ft	43	0.570	2.00	Jul	6.55	3.86	1.40	2.00	1.254	19.19				33.00
TOTALS						52.89	28.20	137.66	162.46	34.038	475.18			1424.46	2280.85
INTEREST ON OPERATING CAPITAL															28.21
TOTAL SPECIFIED COST															2309.06

Table 10.B Summary of estimated costs per acre Cucumber, hybrid, irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	82.70	1.0000	82.70
FUNGICIDES	acre	70.13	1.0000	70.13
HERBICIDES	acre	24.92	1.0000	24.92
HIRED LABOR	acre	172.80	1.0000	172.80
INSECTICIDES	acre	9.74	1.0000	9.74
PACK & HARVEST ITEMS	acre	383.00	1.0000	383.00
SEED	acre	93.16	1.0000	93.16
HARVEST LABOR	acre	588.00	1.0000	588.00
OPERATOR LABOR	hour	15.30	26.0380	398.38
IRRIGATION LABOR	hour	9.60	8.0000	76.80
DIESEL FUEL	gal	2.10	6.2985	13.23
ELECTRICITY	kWh	0.15	48.0000	7.20
GASOLINE	gal	2.30	38.2549	87.99
REPAIR & MAINTENANCE	acre	82.14	1.0000	82.14
INTEREST ON OP. CAP.	acre	28.21	1.0000	28.21

TOTAL DIRECT EXPENSES				2118.40
TOTAL FIXED EXPENSES				190.66

TOTAL SPECIFIED EXPENSES				2309.06

Table 10C. Effects of yields and prices on net returns per acre above total direct expenses, Cucumber, hybrid, irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

Yield (Bushels)	-----Price Per Bushel-----				
	6.50	7.50	8.50	9.50	10.50
	-----Net Returns Per Acre-----				
200.00	-596.40	-396.40	-196.40	3.60	203.60
250.00	-382.40	-132.40	117.60	367.60	617.60
300.00	-168.40	131.60	431.60	731.60	1031.60
350.00	45.60	395.60	745.60	1095.60	1445.60
400.00	259.60	659.60	1059.60	1459.60	1859.60

Table 11.A Estimated resource use and costs per acre for field operations Eggplant, irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
-----dollars-----															
Lime (spread)	cwt			1.00	Jan							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	1.00	Jan	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	2.00	Mar	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Mar	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											600.0000	0.11	67.80	67.80
Hipper 1R	3 ft	23	1.530	2.00	Mar	9.53	4.84	1.35	1.92	3.366	51.50				69.13
Conditioner, row 1R	6 ft	23	0.410	1.00	Mar	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Plastic layer	5 ft	23	1.500	1.00	Mar	4.67	2.37	2.16	4.51	4.650	71.15				84.85
Plastic roll												5.0000	85.00	425.00	425.00
Transplanter vegtabl	1 row	23	4.000	1.00	Mar	12.45	6.32	1.25	3.26	16.400	182.52				205.80
Eggplant plants	100											80.0000	5.00	400.00	400.00
Irrigation, furrow	acin			1.00	Mar			3.80	55.50	1.000	9.60	1.0000			68.90
Cultivator 2R	6 ft	43	0.570	1.00	Mar	3.27	1.93	0.88	1.25	0.627	9.59				16.93
Other labor	hour			1.00	Apr							5.0000	9.60	48.00	48.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Malathion	pt											1.0000	2.63	2.63	2.63
Buffer												1.0000	2.00	2.00	2.00
Cultivate & fert 1R	3 ft	23	1.610	1.00	Apr	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33%	lb											75.0000	0.13	9.75	9.75
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Malathion	pt											1.0000	2.63	2.63	2.63
Buffer												1.0000	2.00	2.00	2.00
Irrigation, furrow	acin			1.00	Apr			3.80		1.000	9.60	1.0000			13.40
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.8000	14.00	11.20	11.20
Buffer												1.0000	2.00	2.00	2.00
Cultivate & fert 1R	3 ft	23	1.610	1.00	May	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33%	lb											75.0000	0.13	9.75	9.75
Irrigation, furrow	acin			1.00	May			3.80		1.000	9.60	1.0000			13.40
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Malathion	pt											1.0000	2.63	2.63	2.63
Buffer												1.0000	2.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.8000	14.00	11.20	11.20
Buffer												1.0000	2.00	2.00	2.00
Harvest labor	hour			1.00	Jun							50.0000	9.60	480.00	480.00
Packing labor	hour											25.0000	9.60	240.00	240.00
Harvest container	each											8.0000	1.00	8.00	8.00
Packing boxes	each											225.0000	1.25	281.25	281.25
Cultivate & fert 1R	3 ft	23	1.610	1.00	Jun	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33%	lb											75.0000	0.13	9.75	9.75
Irrigation, furrow	acin			1.00	Jul			3.80		1.000	9.60	1.0000			13.40
Harvest labor	hour			1.00	Aug							50.0000	9.60	480.00	480.00
Packing boxes	each											225.0000	1.25	281.25	281.25
Packing labor	hour											25.0000	9.60	240.00	240.00
Pickup truck	1/2 ton		1.000	4.70	Aug			44.65	42.14	4.700	71.91				158.70
Coulter	1 row	23	1.500	1.00	Sep	4.67	2.37	0.64	0.94	1.650	25.25				33.86
Other labor	hour											15.0000	9.60	144.00	144.00
Shredder 1R	5 ft	23	0.740	1.00	Sep	2.30	1.17	0.36	0.93	0.814	12.45				17.21
Pickup truck	1/2 ton		1.000	1.00	Sep			9.50	8.97	1.000	15.30				33.77
Middle buster 1R	3 ft	23	1.530	1.00	Sep	4.76	2.42	0.34	0.48	1.683	25.75				33.75
Disk 2R	6 ft	43	0.570	1.00	Sep	3.27	1.93	0.70	1.00	0.627	9.59				16.50
TOTALS						79.45	41.68	88.09	136.09	50.121	675.65			3188.68	4209.65
INTEREST ON OPERATING CAPITAL															124.37
TOTAL SPECIFIED COST															4334.02

Table 11.B Summary of estimated costs per acre Eggplant, irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	110.25	1.0000	110.25
HERBICIDES	acre	10.64	1.0000	10.64
HIRED LABOR	acre	192.00	1.0000	192.00
INSECTICIDES	acre	40.29	1.0000	40.29
PACK & HARVEST ITEMS	acre	570.50	1.0000	570.50
PLASTIC	acre	425.00	1.0000	425.00
PLANTS	acre	400.00	1.0000	400.00
HARVEST LABOR	acre	1440.00	1.0000	1440.00
OPERATOR LABOR	hour	15.30	34.1210	522.05
HAND LABOR	hour	9.60	12.0000	115.20
IRRIGATION LABOR	hour	9.60	4.0000	38.40
DIESEL FUEL	gal	2.10	6.2985	13.23
ELECTRICITY	kWh	0.15	24.0000	3.60
GASOLINE	gal	2.30	37.1438	85.43
REPAIR & MAINTENANCE	acre	65.28	1.0000	65.28
INTEREST ON OP. CAP.	acre	124.37	1.0000	124.37
TOTAL DIRECT EXPENSES				4156.25
TOTAL FIXED EXPENSES				177.77
TOTAL SPECIFIED EXPENSES				4334.02

Table 11C. Effects of yields and prices on net returns per acre above total direct expenses, Eggplant, irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

Yield (Boxes)	Price Per Box				
	6.00	7.50	9.00	10.50	12.00
	-----Net Returns Per Acre-----				
300.00	-1597.25	-1147.25	-697.25	-247.25	202.75
375.00	-1526.75	-964.25	-401.75	160.75	723.25
450.00	-1456.25	-781.25	-106.25	568.75	1243.75
525.00	-1385.75	-598.25	189.25	976.75	1764.25
600.00	-1315.25	-415.25	484.75	1384.75	2284.75

Table 12.A Estimated resource use and costs per acre for field operations Greens (Mustard), fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Disk 2R	6 ft	43	0.570	2.00	Jul	6.55	3.86	1.40	2.00	1.254	19.19					33.00
Disk & herb appl 2R	6 ft	23	0.590	1.00	Aug	1.84	0.93	0.83	1.18	0.649	9.93					14.71
Treflan	pt											1.2500	2.87	3.59		3.59
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Aug	4.83	2.45	1.82	2.59	1.705	26.09					37.77
8-24-24	lb											300.0000	0.11	33.90		33.90
Hipper 1R	3 ft	23	1.530	2.00	Aug	9.53	4.84	1.35	1.92	3.366	51.50					69.13
Conditioner, row 1R	6 ft	23	0.410	1.00	Aug	1.28	0.65	0.27	0.38	0.451	6.90					9.48
Planter 1R	3 ft	23	1.500	1.00	Aug	4.67	2.37	0.35	0.56	1.650	25.25					33.20
Mustard seed	lbs											2.5000	4.00	10.00		10.00
Cultivator 1R	3 ft	23	1.530	1.00	Sep	4.76	2.42	1.35	1.92	1.683	25.75					36.19
Sprayer, boom	12 ft	23	0.190	1.00	Sep	0.59	0.30	0.26	0.28	0.209	3.20					4.63
Malathion	pt											1.0000	2.63	2.63		2.63
Buffer	pt											1.0000	2.00	2.00		2.00
Cultivate & fert 1R	3 ft	23	1.610	1.00	Sep	5.01	2.54	1.77	2.52	1.771	27.10					38.94
Ammonium Nitrate 33%	lb											100.0000	0.13	13.00		13.00
Sprayer, boom	12 ft	23	0.190	1.00	Sep	0.59	0.30	0.26	0.28	0.209	3.20					4.63
Confirm	lb											0.5000	23.36	11.68		11.68
Buffer	pt											1.0000	2.00	2.00		2.00
Cultivator 1R	3 ft	23	1.530	1.00	Sep	4.76	2.42	1.35	1.92	1.683	25.75					36.19
Sprayer, boom	12 ft	23	0.190	1.00	Sep	0.59	0.30	0.26	0.28	0.209	3.20					4.63
Poast	pt											1.0000	8.64	8.64		8.64
Crop oil	pt											2.0000	1.00	2.00		2.00
Sprayer, boom	12 ft	23	0.190	1.00	Sep	0.59	0.30	0.26	0.28	0.209	3.20					4.63
Malathion	pt											1.0000	2.63	2.63		2.63
Buffer	pt											1.0000	2.00	2.00		2.00
Sprayer, boom	12 ft	23	0.190	1.00	Oct	0.59	0.30	0.26	0.28	0.209	3.20					4.63
Provado	pt											0.2300	54.08	12.44		12.44
Buffer	pt											1.0000	2.00	2.00		2.00
Harvest labor	doz			1.00	Oct							600.0000	2.00	1200.00		1200.00
Harvest container	each											8.0000	1.00	8.00		8.00
Packing crates	each			1.00	Oct							300.0000	1.10	330.00		330.00
String	lbs											6.0000	2.00	12.00		12.00
Pickup truck	1/2 ton		1.000	10.00	Oct			95.00	89.67	10.000	153.00					337.67
Disk 2R	6 ft	43	0.570	1.00	Oct	3.27	1.93	0.70	1.00	0.627	9.59					16.50
TOTALS						49.46	25.92	107.49	107.05	25.884	396.03			1658.51		2344.45
INTEREST ON OPERATING CAPITAL																20.12
TOTAL SPECIFIED COST																2364.57

Table 12.B Summary of estimated costs per acre Greens (Mustard), fresh market, one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	46.90	1.0000	46.90
HERBICIDES	acre	14.23	1.0000	14.23
INSECTICIDES	acre	37.38	1.0000	37.38
PACK & HARVEST ITEMS	acre	338.00	1.0000	338.00
SEED	acre	10.00	1.0000	10.00
STAKES & TWINE	acre	12.00	1.0000	12.00
HARVEST LABOR	acre	1200.00	1.0000	1200.00
OPERATOR LABOR	hour	15.30	25.8840	396.03
DIESEL FUEL	gal	2.10	3.7791	7.94
GASOLINE	gal	2.30	39.3849	90.59
REPAIR & MAINTENANCE	acre	58.43	1.0000	58.43
INTEREST ON OP. CAP.	acre	20.12	1.0000	20.12

TOTAL DIRECT EXPENSES				2231.60
TOTAL FIXED EXPENSES				132.97

TOTAL SPECIFIED EXPENSES				2364.57

Table 12C. Effects of yields and prices on net returns per acre above total direct expenses, Greens (Mustard), fresh market, one-row equipment, average yield, Louisiana, 2007.

Yield (Doz Bunches)	-----Price Per Dozen Bunches-----				
	3.00	3.50	4.00	4.50	5.00
	-----Net Returns Per Acre-----				
300.00	-401.60	-251.60	-101.60	48.40	198.40
450.00	-416.60	-191.60	33.40	258.40	483.40
600.00	-431.60	-131.60	168.40	468.40	768.40
750.00	-446.60	-71.60	303.40	678.40	1053.40
900.00	-461.60	-11.60	438.40	888.40	1338.40

Table 13.A Estimated resource use and costs per acre for field operations Okra, fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Mar							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	1.00	Mar	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	1.00	Apr	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk & herb appl 2R	6 ft	23	0.590	1.00	Apr	1.84	0.93	0.83	1.18	0.649	9.93				14.71
Treflan	pt											1.5000	2.87	4.31	4.31
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Apr	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											300.0000	0.11	33.90	33.90
Hipper 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Conditioner, row 1R	6 ft	23	0.410	1.00	Apr	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Planter 1R	3 ft	23	1.500	1.00	Apr	4.67	2.37	0.35	0.56	1.650	25.25				33.20
Okra seed	lbs											6.0000	4.22	25.32	25.32
Other labor	hour			1.00	Apr							5.0000	9.60	48.00	48.00
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											1.2500	5.41	6.76	6.76
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Other labor	hour			1.00	May							24.0000	9.60	230.40	230.40
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											1.2500	5.41	6.76	6.76
Cultivate & fert 1R	3 ft	23	1.610	1.00	Jun	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33% lb	lb											60.0000	0.13	7.80	7.80
Harvest labor	bu			1.00	Jul							120.0000	9.60	1152.00	1152.00
Packing labor	hour											7.0000	9.60	67.20	67.20
Packing boxes	each											40.0000	1.25	50.00	50.00
Pickup truck	1/2 ton		1.000	3.00	Jul			28.50	26.90	3.000	45.90				101.30
Sprayer, boom	12 ft	23	0.190	1.00	Jul	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											1.2500	5.41	6.76	6.76
Harvest labor	bu			1.00	Aug							120.0000	9.60	1152.00	1152.00
Packing labor	hour											7.0000	9.60	67.20	67.20
Harvest sacks	each											94.0000	0.75	70.50	70.50
Packing boxes	each											40.0000	1.25	50.00	50.00
Pickup truck	1/2 ton		1.000	3.00	Aug			28.50	26.90	3.000	45.90				101.30
Shredder 1R	5 ft	23	0.740	1.00	Sep	2.30	1.17	0.36	0.93	0.814	12.45				17.21
Middle buster 1R	3 ft	23	1.530	1.00	Sep	4.76	2.42	0.34	0.48	1.683	25.75				33.75
Disk 2R	6 ft	43	0.570	1.00	Sep	3.27	1.93	0.70	1.00	0.627	9.59				16.50
TOTALS						45.81	24.07	67.64	69.16	20.597	315.13			2992.11	3513.92
INTEREST ON OPERATING CAPITAL															71.94
TOTAL SPECIFIED COST															3585.86

Table 13.B Summary of estimated costs per acre Okra, fresh market, one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	54.90	1.0000	54.90
HERBICIDES	acre	4.31	1.0000	4.31
HIREN LABOR	acre	278.40	1.0000	278.40
INSECTICIDES	acre	20.29	1.0000	20.29
PACK & HARVEST ITEMS	acre	170.50	1.0000	170.50
SEED	acre	25.32	1.0000	25.32
HARVEST LABOR	acre	2438.40	1.0000	2438.40
OPERATOR LABOR	hour	15.30	20.5970	315.13
DIESEL FUEL	gal	2.10	3.7791	7.94
GASOLINE	gal	2.30	28.0628	64.54
REPAIR & MAINTENANCE	acre	40.97	1.0000	40.97
INTEREST ON OP. CAP.	acre	71.94	1.0000	71.94

TOTAL DIRECT EXPENSES				3492.64
TOTAL FIXED EXPENSES				93.22

TOTAL SPECIFIED EXPENSES				3585.86

Table 13C. Effects of yields and prices on net returns per acre above total direct expenses, Okra, irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

Yield (Bushels)	-----Price Per Bushel-----				
	16.00	18.00	20.00	22.00	24.00
	-----Net Returns Per Acre-----				
160.00	-67.04	252.96	572.96	892.96	1212.96
200.00	140.16	540.16	940.16	1340.16	1740.16
240.00	347.36	827.36	1307.36	1787.36	2267.36
280.00	554.56	1114.56	1674.56	2234.56	2794.56
320.00	761.76	1401.76	2041.76	2681.76	3321.76

Table 14.A Estimated resource use and costs per acre for field operations Peas (Southern), nonvining, fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Feb							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	1.00	Feb	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	2.00	Apr	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Disk & herb appl 2R	6 ft	23	0.590	1.00	Apr	1.84	0.93	0.83	1.18	0.649	9.93				14.71
Treflan	pt											1.2500	2.87	3.59	3.59
Dual	pt											1.5000	13.55	20.33	20.33
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Apr	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											300.0000	0.11	33.90	33.90
Hipper 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Conditioner, row 1R	6 ft	23	0.410	1.00	Apr	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Planter 1R	3 ft	23	1.500	1.00	Apr	4.67	2.37	0.35	0.56	1.650	25.25				33.20
Southern pea seed	lbs											30.0000	1.81	54.30	54.30
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Thiodan	lb											1.0000	6.50	6.50	6.50
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Other labor	hour			1.00	May							10.0000	9.60	96.00	96.00
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											1.2500	5.41	6.76	6.76
Cultivator 1R	3 ft	23	1.530	1.00	Jun	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Thiodan	lb											1.0000	6.50	6.50	6.50
Harvest labor	bu			1.00	Jul							100.0000	9.60	960.00	960.00
Harvest container	each											8.0000	1.00	8.00	8.00
Packing labor	hour											6.0000	9.60	57.60	57.60
Bushel hampers	each											27.0000	2.25	60.75	60.75
Pickup truck	1/2 ton		1.000	3.00	Jul			28.50	26.90	3.000	45.90				101.30
Disk 2R	6 ft	43	0.570	1.00	Jul	3.27	1.93	0.70	1.00	0.627	9.59				16.50
TOTALS						47.13	25.00	40.33	43.44	17.531	268.22			1338.07	1762.19
INTEREST ON OPERATING CAPITAL															21.50
TOTAL SPECIFIED COST															1783.70

Table 14.B Summary of estimated costs per acre,
Peas (Southern), nonvining, fresh market, one-row
equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	47.10	1.0000	47.10
HERBICIDES	acre	34.55	1.0000	34.55
HIRED LABOR	acre	96.00	1.0000	96.00
INSECTICIDES	acre	19.76	1.0000	19.76
PACK & HARVEST ITEMS	acre	68.75	1.0000	68.75
SEED	acre	54.30	1.0000	54.30
HARVEST LABOR	acre	1017.60	1.0000	1017.60
OPERATOR LABOR	hour	15.30	17.5310	268.22
DIESEL FUEL	gal	2.10	5.0388	10.58
GASOLINE	gal	2.30	19.8509	45.66
REPAIR & MAINTENANCE	acre	31.22	1.0000	31.22
INTEREST ON OP. CAP.	acre	21.50	1.0000	21.50

TOTAL DIRECT EXPENSES				1715.25
TOTAL FIXED EXPENSES				68.44

TOTAL SPECIFIED EXPENSES				1783.70

Table 14C. Effects of yields and prices on net returns per acre above
total direct expenses, Peas (Southern), nonvining, fresh
market, one-row equipment, average yield, Louisiana, 2007.

Yield (Bushels)	-----Price Per Bushel-----				
	16.00	18.00	20.00	22.00	24.00
	-----Net Returns Per Acre-----				
70.00	-284.98	-144.98	-4.97	135.03	275.03
85.00	-200.11	-30.11	139.89	309.89	479.89
100.00	-115.25	84.75	284.75	484.75	684.75
115.00	-30.39	199.61	429.61	659.61	889.61
130.00	54.47	314.48	574.48	834.48	1094.48

Table 15.A Estimated resource use and costs per acre for field operations Peppers (Bell), irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
-----dollars-----															
Lime (spread)	cwt			1.00	Sep							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	1.00	Sep	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	1.00	Oct	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Oct	4.83	2.45	1.82	2.59	1.705	26.09				37.77
13-13-13	lb											900.0000	0.18	164.70	164.70
Hipper 1R	3 ft	23	1.530	1.00	Oct	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Conditioner, row 1R	6 ft	23	0.410	1.00	Oct	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Plastic & fumigation	5 ft	23	1.500	1.00	Oct	4.67	2.37	2.39	4.98	4.650	71.15				85.55
Plastic	roll											5.0000	85.00	425.00	425.00
Methyl bromide	lbs											150.0000	3.00	450.00	450.00
Sprayer, boom	12 ft	23	0.190	1.00	Mar	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Gramoxone	pt											2.0000	5.40	10.80	10.80
Surfactant	pt											1.0000	2.00	2.00	2.00
Trailer utility	10 ft	23	1.000	1.00	Mar	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Pepper plants	100											80.0000	8.10	648.00	648.00
Planting labor	hour											33.0000	9.60	316.80	316.80
Irrigation, furrow	acin			1.00	Mar				3.80	55.50	1.000	1.0000			68.90
Other labor	hour			1.00	Mar							5.0000	9.60	48.00	48.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Orthene	lbs											0.6700	11.90	7.97	7.97
Cultivate & fert 1R	3 ft	23	1.610	1.00	Apr	5.01	2.54	1.77	2.52	1.771	27.10				38.94
CaNO3, regular	lb											60.0000	0.35	21.00	21.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											1.2500	5.41	6.76	6.76
Kocide	lb											2.0000	3.00	6.00	6.00
Manzate	lb											1.0000	3.20	3.20	3.20
Irrigation, furrow	acin			1.00	Apr				3.80	1.000	9.60	1.0000			13.40
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											1.2500	5.41	6.76	6.76
Kocide	lb											2.0000	3.00	6.00	6.00
Manzate	lb											1.0000	3.20	3.20	3.20
Cultivate & herb 1R	3 ft	23	1.830	1.00	May	5.70	2.89	2.01	2.86	2.013	30.80				44.27
Gramoxone	pt											1.5000	5.40	8.10	8.10
Surfactant	pt											0.3000	2.00	0.60	0.60
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Malathion	pt											1.0000	2.63	2.63	2.63
Kocide	lb											2.0000	3.00	6.00	6.00
Cultivate & fert 1R	3 ft	23	1.610	1.00	May	5.01	2.54	1.77	2.52	1.771	27.10				38.94
CaNO3, regular	lb											60.0000	0.35	21.00	21.00
Irrigation, furrow	acin			1.00	May				3.80	1.000	9.60	1.0000			13.40
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ridomil Gold	pt											1.0000	88.00	88.00	88.00
Other labor	hour			1.00	Jun							5.0000	9.60	48.00	48.00
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Malathion	pt											1.0000	2.63	2.63	2.63
Trailer utility	10 ft	23	1.000	1.00	Jul	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	bu											900.0000	0.75	675.00	675.00
Harvest container	each											9.0000	1.00	9.00	9.00
Other labor	hour											13.0000	9.60	124.80	124.80
Packing labor	hour											66.0000	9.60	633.60	633.60
Packing boxes	each											900.0000	1.25	1125.00	1125.00
Pack line/wet/small	acre			1.00	Jul			2.79	12.52			1.0000			15.31
Pickup truck	1/2 ton		1.000	4.70	Jul			44.65	42.14	4.700	71.91				158.70
Shredder 1R	5 ft	23	0.740	1.00	Jul	2.30	1.17	0.36	0.93	0.814	12.45				17.21
Coulter	1 row	23	1.500	1.00	Jul	4.67	2.37	0.64	0.94	1.650	25.25				33.86
Other labor	hour											15.0000	9.60	144.00	144.00
Pickup truck	1/2 ton		1.000	1.00	Jul			9.50	8.97	1.000	15.30				33.77
Disk 2R	6 ft	43	0.570	2.00	Jul	6.55	3.86	1.40	2.00	1.254	19.19				33.00
TOTALS						61.70	32.40	85.20	145.67	31.379	463.00			5027.76	5815.73
INTEREST ON OPERATING CAPITAL															153.97
TOTAL SPECIFIED COST															5969.70

Table 15.B Summary of estimated costs per acre Peppers (Bell), irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	219.90	1.0000	219.90
FUNGICIDES	acre	112.40	1.0000	112.40
HERBICIDES	acre	21.50	1.0000	21.50
HIRED LABOR	acre	681.60	1.0000	681.60
INSECTICIDES	acre	26.76	1.0000	26.76
PACK & HARVEST ITEMS	acre	1134.00	1.0000	1134.00
PLASTIC	acre	425.00	1.0000	425.00
FUMIGANT	acre	450.00	1.0000	450.00
PLANTS	acre	648.00	1.0000	648.00
HARVEST LABOR	acre	1308.60	1.0000	1308.60
OPERATOR LABOR	hour	15.30	28.3790	434.20
IRRIGATION LABOR	hour	9.60	3.0000	28.80
DIESEL FUEL	gal	2.10	5.0388	10.58
ELECTRICITY	kWh	0.15	23.2500	3.49
GASOLINE	gal	2.30	31.8893	73.35
REPAIR & MAINTENANCE	acre	59.49	1.0000	59.49
INTEREST ON OP. CAP.	acre	153.97	1.0000	153.97

TOTAL DIRECT EXPENSES				5791.63
TOTAL FIXED EXPENSES				178.07

TOTAL SPECIFIED EXPENSES				5969.70

Table 15C. Effects of yields and prices on net returns per acre above total direct expenses, Peppers (Bell), irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

Yield (Bushels)	-----Price Per Bushel-----				
	5.00	6.50	8.00	9.50	11.00
-----Net Returns Per Acre-----					
600.00	-2191.63	-1291.63	-391.63	508.37	1408.37
750.00	-1741.63	-616.63	508.37	1633.37	2758.37
900.00	-1291.63	58.37	1408.37	2758.37	4108.37
1050.00	-841.63	733.37	2308.37	3883.37	5458.37
1200.00	-391.63	1408.37	3208.37	5008.37	6808.37

Table 16.A Estimated resource use and costs per acre for field operations Pepper (Bell), irrigated, fresh wholesale market, four-row equipment, plastic mulch, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Sep							6.6000	2.00	13.20	13.20
Disk 4R	13.3 ft	68	0.150	1.00	Sep	1.36	0.79	0.56	0.80	0.165	2.52				6.04
Disk 4R	13.3 ft	68	0.150	1.00	Oct	1.36	0.79	0.56	0.80	0.165	2.52				6.04
Fertilizer buggy	30 ft	93	0.060	1.00	Oct	0.23	0.66		0.33	0.066	1.01				2.23
13-13-13	lb											900.0000	0.18	164.70	164.70
Hipper 4R	13.3 ft	68	0.160	2.00	Oct	2.90	1.69	0.63	0.90	0.352	5.39				11.51
Conditioner, row 1R	6 ft	23	0.410	1.00	Oct	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Plastic & fumigation	5 ft	23	1.500	1.00	Oct	4.67	2.37	2.39	4.98	4.650	71.15				85.55
Plastic	roll											5.0000	85.00	425.00	425.00
Methyl bromide	lbs											200.0000	3.00	600.00	600.00
Sprayer, boom	12 ft	23	0.190	1.00	Mar	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Gramoxone	pt											2.0000	5.40	10.80	10.80
Surfactant	pt											1.0000	2.00	2.00	2.00
Hole puncher 4R	4 row	68	0.330	1.00	Mar			0.79	1.65						2.44
Trailer utility	10 ft	23	1.000	1.00	Mar	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Pepper plants	100											80.0000	8.10	648.00	648.00
Contract planting, 2	1000											8.0000	12.50	100.00	100.00
Irrigation, furrow	acin			1.00	Mar				55.50						55.50
Other labor	hour											0.6000	9.60	5.76	5.76
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Orthene	lbs											0.6700	11.90	7.97	7.97
Kocide	lb											2.0000	3.00	6.00	6.00
Manzate	lb											1.0000	3.20	3.20	3.20
Injection wheel 4R	4 row	68	0.330	1.00	Apr			1.16	1.65						2.81
CaNO3, regular	lb											125.0000	0.35	43.75	43.75
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Manzate	lb											1.0000	3.20	3.20	3.20
Kocide	lb											2.0000	3.00	6.00	6.00
Irrigation, furrow	acin			1.00	Apr			3.80		1.000	9.60				13.40
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Manzate	lb											1.0000	3.20	3.20	3.20
Kocide	lb											2.0000	3.00	6.00	6.00
Cultivate & Herb 2R	6 ft	43	0.690	1.00	May	3.96	2.34	1.21	1.73	0.759	11.61				20.86
Gramoxone	pt											1.5000	5.40	8.10	8.10
Surfactant	pt											0.3000	2.00	0.60	0.60
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ridomil Gold	pt											1.0000	88.00	88.00	88.00
Irrigation, furrow	acin			1.00	May			11.40		3.000	28.80				40.20
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Lannate	pt											1.0000	7.09	7.09	7.09
Irrigation, furrow	acin			1.00	Jun			3.80		1.000	9.60				13.40
Other labor	hour			1.00	Jun							5.0000	9.60	48.00	48.00
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.5000	14.00	7.00	7.00
Cultivator 4R	13.3 ft	68	0.140	1.00	Jun	1.27	0.74	0.28	0.39	0.154	2.36				5.04
Irrigation, furrow	acin			1.00	Jun			22.80		6.000	57.60				80.40
Trailer utility	10 ft	23	1.000	1.00	Jul	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	bu											900.0000	0.75	675.00	675.00
Harvest container	each											15.0000	1.00	15.00	15.00
Other labor	hour											13.0000	9.60	124.80	124.80
Vegetable bin	each											4.0000	50.00	200.00	200.00
Pack line/wet/large	acre			1.00	Jul			3.25	15.65			1.0000			18.90
Packing labor	hour											45.0000	9.60	432.00	432.00
Packing boxes	each											900.0000	1.25	1125.00	1125.00
Fork lift			1.000	1.00	Jul			4.88	4.58	1.000	15.30				24.76
Pickup truck	1/2 ton		1.000	6.20	Jul			58.90	55.59	6.200	94.86				209.35
Shredder 2R	6.7 ft	43	0.390	1.00	Jul	2.24	1.32	0.31	0.81	0.429	6.56				11.25
Coulter	4 row	68	0.140	1.00	Jul	1.27	0.74	0.30	0.44	0.154	2.36				5.10
Other labor	hour											12.0000	9.60	115.20	115.20
Pickup truck	1/2 ton		1.000	1.00	Jul			9.50	8.97	1.000	15.30				33.77
Other labor	hour											1.0000	9.60	9.60	9.60
Disk 4R	13.3 ft	68	0.150	1.00	Jul	1.36	0.79	0.56	0.80	0.165	2.52				6.04
Cover crop	acre											1.0000	60.00	60.00	60.00
TOTALS						32.27	18.15	129.72	159.82	30.373	402.01			5012.17	5754.14
INTEREST ON OPERATING CAPITAL															152.42
TOTAL SPECIFIED COST															5906.56

Table 16.B Summary of estimated costs per acre,
 Pepper (Bell), irrigated, fresh wholesale market, four-
 row equipment, plastic mulch, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	221.65	1.0000	221.65
FUNGICIDES	acre	115.60	1.0000	115.60
HERBICIDES	acre	21.50	1.0000	21.50
HIRED LABOR	acre	451.36	1.0000	451.36
INSECTICIDES	acre	22.06	1.0000	22.06
PACK & HARVEST ITEMS	acre	1340.00	1.0000	1340.00
SEED	acre	60.00	1.0000	60.00
PLASTIC	acre	425.00	1.0000	425.00
FUMIGANT	acre	600.00	1.0000	600.00
PLANTS	acre	648.00	1.0000	648.00
HARVEST LABOR	acre	1107.00	1.0000	1107.00
OPERATOR LABOR	hour	15.30	19.3730	296.41
IRRIGATION LABOR	hour	9.60	11.0000	105.60
DIESEL FUEL	gal	2.10	6.0618	12.73
ELECTRICITY	kWh	0.15	71.0000	10.65
GASOLINE	gal	2.30	25.4212	58.47
REPAIR & MAINTENANCE	acre	80.14	1.0000	80.14
INTEREST ON OP. CAP.	acre	152.42	1.0000	152.42
TOTAL DIRECT EXPENSES				5728.59
TOTAL FIXED EXPENSES				177.97
TOTAL SPECIFIED EXPENSES				5906.56

Table 16C. Effects of yields and prices on net returns per acre above
 total direct expenses, Peppers (Bell), irrigated, fresh
 wholesale market, six-row equipment, average yield, Louisiana,
 2007.

Yield (bushels)	Price Per Bushel				
	5.00	6.50	8.00	9.50	11.00
	Net Returns Per Acre				
600.00	-2128.59	-1228.59	-328.59	571.41	1471.41
750.00	-1678.59	-553.59	571.41	1696.41	2821.41
900.00	-1228.59	121.41	1471.41	2821.41	4171.41
1050.00	-778.59	796.41	2371.41	3946.41	5521.41
1200.00	-328.59	1471.41	3271.41	5071.41	6871.41

Table 17.A Estimated resource use and costs per acre for field operations Potato (Irish), fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk 2R	6 ft	43	0.570	3.00	Jan	9.82	5.80	2.11	3.00	1.881	28.78				49.50
Hipper-fert dist 1R 13-13-13	3 ft lb	23	1.550	1.00	Jan	4.83	2.45	1.82	2.59	1.705	26.09	800.0000	0.18	146.40	146.40
Hipper 1R	3 ft	23	1.530	1.00	Feb	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Conditioner, row 1R	6 ft	23	0.410	1.00	Feb	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Trailer utility	10 ft	23	1.000	1.00	Feb	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Planting labor	hour											14.0000	9.60	134.40	134.40
Irish potato seed	cwt											11.0000	22.00	242.00	242.00
Sprayer, boom	12 ft	23	0.190	1.00	Feb	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Dual	pt											2.0000	13.55	27.10	27.10
Sprayer, boom	12 ft	23	0.190	1.00	Mar	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Pounce	pt											0.5000	17.60	8.80	8.80
Cultivate & fert 1R	3 ft	23	1.610	1.00	Mar	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33% lb												150.0000	0.13	19.50	19.50
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Bravo	pt											0.7500	6.35	4.76	4.76
Cultivator 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Pounce	pt											0.5000	17.60	8.80	8.80
Dithane	lb											0.7500	3.00	2.25	2.25
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Shredder 1R	5 ft	23	0.740	1.00	Jun	2.30	1.17	0.36	0.93	0.814	12.45				17.21
Potato digger, chain 1 row		23	1.500	1.00	Jun	4.67	2.37	2.77	3.94	1.650	25.25				39.00
Trailer utility	10 ft	23	1.000	1.00	Jun	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	hour											28.0000	9.60	268.80	268.80
Harvest crate	each											30.0000	1.15	34.50	34.50
Packing labor	hour											22.0000	9.60	211.20	211.20
Packing sacks	each											150.0000	0.75	112.50	112.50
Pickup truck	1/2 ton		1.000	7.00	Jun			66.50	62.77	7.000	107.10				236.37
Disk 2R	6 ft	43	0.570	2.00	Jun	6.55	3.86	1.40	2.00	1.254	19.19				33.00
TOTALS						57.34	30.46	81.94	85.94	24.611	376.55			1221.01	1853.25
INTEREST ON OPERATING CAPITAL															35.65
TOTAL SPECIFIED COST															1888.90

Table 17.B Summary of estimated costs per acre Potato (Irish), fresh market, one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	165.90	1.0000	165.90
FUNGICIDES	acre	7.01	1.0000	7.01
HERBICIDES	acre	27.10	1.0000	27.10
HIRED LABOR	acre	134.40	1.0000	134.40
INSECTICIDES	acre	17.60	1.0000	17.60
PACK & HARVEST ITEMS	acre	147.00	1.0000	147.00
SEED	acre	242.00	1.0000	242.00
HARVEST LABOR	acre	480.00	1.0000	480.00
OPERATOR LABOR	hour	15.30	24.6110	376.55
DIESEL FUEL	gal	2.10	6.2985	13.23
GASOLINE	gal	2.30	32.3708	74.45
REPAIR & MAINTENANCE	acre	51.61	1.0000	51.61
INTEREST ON OP. CAP.	acre	35.65	1.0000	35.65
TOTAL DIRECT EXPENSES				1772.50
TOTAL FIXED EXPENSES				116.40
TOTAL SPECIFIED EXPENSES				1888.90

Table 17C. Effects of yields and prices on net returns per acre above total direct expenses, Potato (Irish), fresh market, one-row equipment, average yield, Louisiana, 2007.

Yield (Sack)	-----Price Per Sack-----				
	13.00	14.00	15.00	16.00	17.00
	-----Net Returns Per Acre-----				
100.00	-339.00	-239.00	-139.00	-39.00	61.00
125.00	-80.75	44.25	169.25	294.25	419.25
150.00	177.50	327.50	477.50	627.50	777.50
175.00	435.75	610.75	785.75	960.75	1135.75
200.00	694.00	894.00	1094.00	1294.00	1494.00

Table 18.A Estimated resource use and costs per acre for field operations Potato (Sweet), fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk 2R	6 ft	43	0.570	1.00	Mar	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	2.00	Apr	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Hipper 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Lorsban 4E	pt											2.0000	4.29	8.58	8.58
Fertilizer applicatr	1 row	23	0.500	1.00	Apr	1.56	0.79	0.15	0.25	0.550	8.42				11.16
8-24-24	lb											500.0000	0.11	56.50	56.50
Hipper 1R	3 ft	23	1.530	1.00	May	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Ditcher	1.5 ft	23	0.050	1.00	May	0.16	0.08	0.11	0.16	0.055	0.84				1.34
Hipper 1R	3 ft	23	1.530	1.00	May	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Trailer utility	10 ft	23	1.000	1.00	May	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Planting labor	hour											10.0000	9.60	96.00	96.00
Sweet potato slips	acre											1.0000	119.69	119.69	119.69
Cut slip labor	hour											5.0000	9.60	48.00	48.00
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Command	qt											1.3000	24.12	31.36	31.36
Trailer, water	10 ft	43	1.000	1.00	May	5.74	3.39	0.63	2.57	1.100	16.83				29.16
Other labor	hour											2.0000	9.60	19.20	19.20
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Penncap M	pt											2.0000	3.48	6.96	6.96
Cultivator 1R	3 ft	23	1.530	1.00	Jun	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Imidan	lb.											1.3300	7.45	9.91	9.91
Ditcher	1.5 ft	23	0.050	1.00	Jun	0.16	0.08	0.11	0.16	0.055	0.84				1.34
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Penncap M	pt											2.0000	3.48	6.96	6.96
Cultivator 1R	3 ft	23	1.530	1.00	Jul	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	Jul	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Imidan	lb.											1.3000	7.45	9.69	9.69
Cultivator 1R	3 ft	23	1.530	1.00	Jul	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Ditcher	1.5 ft	23	0.050	1.00	Jul	0.16	0.08	0.11	0.16	0.055	0.84				1.34
Sprayer, boom	12 ft	23	0.190	1.00	Jul	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Penncap M	pt											2.0000	3.48	6.96	6.96
Sprayer, boom	12 ft	23	0.190	1.00	Jul	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Imidan	lb.											1.3000	7.45	9.69	9.69
Sprayer, boom	12 ft	23	0.190	1.00	Aug	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Penncap M	pt											2.0000	3.48	6.96	6.96
Trailer utility	10 ft	23	1.000	2.00	Sep	6.23	3.16	0.53	1.90	2.200	33.66				45.49
Shredder 1R	5 ft	23	0.740	1.00	Sep	2.30	1.17	0.36	0.93	0.814	12.45				17.21
Coulter	1 row	23	1.500	1.00	Sep	4.67	2.37	0.64	0.94	1.650	25.25				33.86
Potato digger, chain	1 row	23	1.500	1.00	Sep	4.67	2.37	2.77	3.94	1.650	25.25				39.00
Harvest labor	hour											50.0000	9.60	480.00	480.00
Harvest crate	each											200.0000	1.15	230.00	230.00
Truck	2 ton		1.000	2.00	Sep			20.48	21.91	2.000	30.60				72.99
Other labor	hour											8.0000	9.60	76.80	76.80
TOTALS						71.89	37.78	36.41	47.73	24.880	380.66			1223.24	1797.71
INTEREST ON OPERATING CAPITAL															32.49
TOTAL SPECIFIED COST															1830.20

Table 18.B Summary of estimated costs per acre Potato (Sweet), fresh market, one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	56.50	1.0000	56.50
HERBICIDES	acre	31.36	1.0000	31.36
HIRED LABOR	acre	240.00	1.0000	240.00
INSECTICIDES	acre	65.70	1.0000	65.70
PACK & HARVEST ITEMS	acre	230.00	1.0000	230.00
SEED	acre	119.69	1.0000	119.69
HARVEST LABOR	acre	480.00	1.0000	480.00
OPERATOR LABOR	hour	15.30	24.8800	380.66
DIESEL FUEL	gal	2.10	11.9891	25.18
GASOLINE	gal	2.30	20.4417	47.02
REPAIR & MAINTENANCE	acre	36.10	1.0000	36.10
INTEREST ON OP. CAP.	acre	32.49	1.0000	32.49

TOTAL DIRECT EXPENSES				1744.69
TOTAL FIXED EXPENSES				85.51

TOTAL SPECIFIED EXPENSES				1830.20

Table 18C. Effects of yields and prices on net returns per acre above total direct expenses, Potato (Sweet), fresh market one-row equipment, average yield, Louisiana, 2007.

Yield (box)	-----Price Per Box-----				
	9.75	11.25	12.75	14.25	15.75
	-----Net Returns Per Acre-----				
150.00	-402.79	-267.79	-132.79	2.21	137.21
200.00	-267.49	-87.49	92.51	272.51	452.51
250.00	-132.19	92.81	317.81	542.81	767.81
300.00	3.11	273.11	543.11	813.11	1083.11
350.00	138.41	453.41	768.41	1083.41	1398.41

Table 19.B Summary of estimated costs per acre Potato (Sweet), fresh market, four-row, field equipment, one-row riding harvester, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	56.50	1.0000	56.50
HERBICIDES	acre	31.36	1.0000	31.36
HIRED LABOR	acre	273.60	1.0000	273.60
INSECTICIDES	acre	65.48	1.0000	65.48
PACK & HARVEST ITEMS	acre	390.00	1.0000	390.00
SEED	acre	119.69	1.0000	119.69
HARVEST LABOR	acre	316.80	1.0000	316.80
OPERATOR LABOR	hour	15.30	14.2080	217.38
HAND LABOR	hour	9.60	20.0000	192.00
DIESEL FUEL	gal	2.10	26.8419	56.37
ELECTRICITY	kWh	0.15	7.7000	1.16
GASOLINE	gal	2.30	5.6471	12.99
REPAIR & MAINTENANCE	acre	44.48	1.0000	44.48
INTEREST ON OP. CAP.	acre	28.28	1.0000	28.28

TOTAL DIRECT EXPENSES				1806.08
TOTAL FIXED EXPENSES				104.18

TOTAL SPECIFIED EXPENSES				1910.27

Table 19C. Effects of yields and prices on net returns per acre above total direct expenses, Potato (Sweet), fresh market four-row equipment, one-row riding harvester, average yield, Louisiana, 2007.

Yield (box)	-----Price Per Box-----				
	12.75	14.25	15.75	17.25	18.75
	-----Net Returns Per Acre-----				
150.00	-122.18	12.82	147.82	282.82	417.82
200.00	67.12	247.12	427.12	607.12	787.12
250.00	256.42	481.42	706.42	931.42	1156.42
300.00	445.72	715.72	985.72	1255.72	1525.72
350.00	635.02	950.02	1265.02	1580.02	1895.02

Table 20.A Estimated resource use and costs per acre for field operations Potato (Sweet), fresh market, six-row field equipment, two-row riding harvester, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Disk 6R	20 ft	143	0.100	3.00	Apr	5.91	3.91	2.31	3.29	0.330	5.05					20.46
Fertilizer buggy	30 ft	68	0.060	1.00	Apr	0.54	0.32	0.23	0.33	0.066	1.01					2.42
8-24-24	lb											500.0000	0.11	56.50		56.50
Hipper 6R	20 ft	143	0.090	1.00	Apr	1.77	1.17	0.29	0.41	0.099	1.51					5.15
Lorsban 4E	pt											2.0000	4.29	8.58		8.58
Hipper 6R	20 ft	143	0.090	2.00	May	3.55	2.34	0.57	0.81	0.198	3.03					10.30
Trailer utility	10 ft	23	1.000	1.00	May	3.11	1.58	0.27	0.95	1.100	16.83					22.74
Sweet potato slips	acre											1.0000	119.69	119.69		119.69
Cut slip labor	hour											5.0000	9.60	48.00		48.00
Transplanter 4R	12 ft	68	0.600	1.00	May	5.44	3.17	1.52	5.01	0.660	10.10					25.23
Planting labor	hour											12.0000	9.60	115.20		115.20
Harvest crate	each											3.0000	1.15	3.45		3.45
Sprayer, boom	20 ft	93	0.120	1.00	May	1.67	1.32	0.26	0.28	0.132	2.02					5.56
Command	qt											1.3000	24.12	31.36		31.36
Ditcher	1.5 ft	23	0.050	1.00	May	0.16	0.08	0.11	0.16	0.055	0.84					1.34
Sprayer, boom	20 ft	93	0.120	1.00	Jun	1.67	1.32	0.26	0.28	0.132	2.02					5.56
Penncap M	pt											2.0000	3.48	6.96		6.96
Cultivator 6R	20 ft	143	0.100	1.00	Jun	1.97	1.30	0.29	0.41	0.110	1.68					5.65
Ditcher	1.5 ft	23	0.050	1.00	Jun	0.16	0.08	0.11	0.16	0.055	0.84					1.34
Sprayer, boom	20 ft	93	0.120	1.00	Jun	1.67	1.32	0.26	0.28	0.132	2.02					5.56
Imidan	lb.											1.3000	7.45	9.69		9.69
Sprayer, boom	20 ft	93	0.120	1.00	Jun	1.67	1.32	0.26	0.28	0.132	2.02					5.56
Penncap M	pt											2.0000	3.48	6.96		6.96
Cultivator 6R	20 ft	143	0.100	1.00	Jul	1.97	1.30	0.29	0.41	0.110	1.68					5.65
Sprayer, boom	20 ft	93	0.120	1.00	Jul	1.67	1.32	0.26	0.28	0.132	2.02					5.56
Imidan	lb.											1.3000	7.45	9.69		9.69
Cultivator 6R	20 ft	143	0.100	1.00	Jul	1.97	1.30	0.29	0.41	0.110	1.68					5.65
Ditcher	1.5 ft	23	0.050	1.00	Jul	0.16	0.08	0.11	0.16	0.055	0.84					1.34
Sprayer, boom	20 ft	93	0.120	1.00	Jul	1.67	1.32	0.26	0.28	0.132	2.02					5.56
Penncap M	pt											2.0000	3.48	6.96		6.96
Sprayer, boom	20 ft	93	0.120	1.00	Jul	1.67	1.32	0.26	0.28	0.132	2.02					5.56
Imidan	lb.											1.3000	7.45	9.69		9.69
Sprayer, boom	20 ft	93	0.120	1.00	Aug	1.67	1.32	0.26	0.28	0.132	2.02					5.56
Penncap M	pt											2.0000	3.48	6.96		6.96
Coulter	4 row	0	0.140	1.00	Sep			0.30	0.44							0.74
Shredder 2R	6.7 ft	43	0.390	1.00	Sep	2.24	1.32	0.31	0.81	0.429	6.56					11.25
Trailer utility	10 ft	23	1.000	1.00	Sep	3.11	1.58	0.27	0.95	1.100	16.83					22.74
Other labor	hour											1.0000	9.60	9.60		9.60
Truck	2 ton		1.000	2.00	Sep				20.48	21.91	2.000	30.60				72.99
Other labor	hour											7.0000	9.60	67.20		67.20
Harvester, riding 2R	2 row	0	2.000	1.00	Sep			5.48	8.89							14.36
Harvest labor	hour											32.0000	9.60	307.20		307.20
Potato bins	each											3.0000	50.00	150.00		150.00
Truck	2 ton		1.000	1.00	Sep			10.24	10.96	1.000	15.30					36.49
Fork lift			1.000	1.00	Sep			4.88	4.58	1.000	15.30					24.76
Packing Line	acre			1.00	Sep			6.01	9.11	20.000	192.00	1.0000				207.12
Packing boxes	each											200.0000	1.20	240.00		240.00
Other labor	hour											1.5000	9.60	14.40		14.40
TOTALS						45.45	30.10	56.44	72.40	29.533	337.85			1228.07	1770.32	
INTEREST ON OPERATING CAPITAL															26.79	
TOTAL SPECIFIED COST															1797.11	

Table 20.B Summary of estimated costs per acre Potato (Sweet), fresh market, six-row field equipment, two-row riding harvester, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	56.50	1.0000	56.50
HERBICIDES	acre	31.36	1.0000	31.36
HIRED LABOR	acre	254.40	1.0000	254.40
INSECTICIDES	acre	65.48	1.0000	65.48
PACK & HARVEST ITEMS	acre	393.45	1.0000	393.45
SEED	acre	119.69	1.0000	119.69
HARVEST LABOR	acre	307.20	1.0000	307.20
OPERATOR LABOR	hour	15.30	9.5330	145.85
HAND LABOR	hour	9.60	20.0000	192.00
DIESEL FUEL	gal	2.10	23.1735	48.66
ELECTRICITY	kWh	0.15	7.7000	1.16
GASOLINE	gal	2.30	3.9295	9.04
REPAIR & MAINTENANCE	acre	43.03	1.0000	43.03
INTEREST ON OP. CAP.	acre	26.79	1.0000	26.79

TOTAL DIRECT EXPENSES				1694.60
TOTAL FIXED EXPENSES				102.51

TOTAL SPECIFIED EXPENSES				1797.11

Table 20C. Effects of yields and prices on net returns per acre above total direct expenses, Potato (Sweet), fresh market, four-row equipment, two-row riding harvester, average yield, Louisiana, 2007.

Yield (box)	-----Price Per Box-----				
	12.75	14.25	15.75	17.25	18.75
	-----Net Returns Per Acre-----				
150.00	37.30	172.30	307.30	442.30	577.30
200.00	202.60	382.60	562.60	742.60	922.60
250.00	367.90	592.90	817.90	1042.90	1267.90
300.00	533.20	803.20	1073.20	1343.20	1613.20
350.00	698.50	1013.50	1328.50	1643.50	1958.50

Table 21.A Estimated resource use and costs per acre for field operations Shallots, fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
							-----dollars-----				dollars		-----dollars-----		
Disk 2R	6 ft	43	0.570	3.00	Aug	9.82	5.80	2.11	3.00	1.881	28.78				49.50
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Aug	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											400.0000	0.11	45.20	45.20
Hipper 1R	3 ft	23	1.530	2.00	Aug	9.53	4.84	1.35	1.92	3.366	51.50				69.13
Trailer utility	10 ft	23	1.000	1.00	Aug	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Planting labor	hour											20.0000	9.60	192.00	192.00
Shallots sets	lbs											300.0000	2.00	600.00	600.00
Cultivator 1R	3 ft	23	1.530	1.00	Sep	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	Sep	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Malathion	pt											0.6000	2.63	1.58	1.58
Buffer	pt											1.0000	2.00	2.00	2.00
Ridomil + Bravo	lb											1.0000	17.75	17.75	17.75
Sprayer, boom	12 ft	23	0.190	1.00	Sep	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Prowl	pt											1.5000	2.75	4.13	4.13
Cultivator 1R	3 ft	23	1.530	1.00	Sep	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Cultivate & fert 1R	3 ft	23	1.610	1.00	Oct	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33%	lb											100.0000	0.13	13.00	13.00
Sprayer, boom	12 ft	23	0.190	1.00	Oct	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Malathion	pt											0.6000	2.63	1.58	1.58
Buffer	pt											1.0000	2.00	2.00	2.00
Ridomil + Bravo	lb											1.0000	17.75	17.75	17.75
Cultivator 1R	3 ft	23	1.530	1.00	Oct	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Cultivator 1R	3 ft	23	1.530	1.00	Nov	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	Nov	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Malathion	pt											0.6000	2.63	1.58	1.58
Buffer	pt											1.0000	2.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	Dec	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Malathion	pt											0.6000	2.63	1.58	1.58
Buffer	pt											1.0000	2.00	2.00	2.00
Lifter blade	1 row	43	1.500	1.00	Jan	8.62	5.08	1.17	2.44	1.650	25.25				42.56
Harvest labor	hour			1.00	Jan							25.0000	9.60	240.00	240.00
Harvest container	each			1.00	Jan							4.0000	1.00	4.00	4.00
Packing labor	hour			1.00	Jan							140.0000	9.60	1344.00	1344.00
Rubber bands	lbs			1.00	Jan							2.0000	5.00	10.00	10.00
Packing crates	each			1.00	Jan							400.0000	1.10	440.00	440.00
Ice	cwt			1.00	Jan							40.0000	7.10	284.00	284.00
Pickup truck	1/2 ton		1.000	6.00	Jan			57.00	53.80	6.000	91.80				202.60
Middle buster 1R	3 ft	23	1.530	1.00	Jan	4.76	2.42	0.34	0.48	1.683	25.75				33.75
Disk 2R	6 ft	43	0.570	2.00	Jan	6.55	3.86	1.40	2.00	1.254	19.19				33.00
TOTALS						74.24	39.75	73.91	78.76	28.187	431.26			3226.14	3924.06
INTEREST ON OPERATING CAPITAL															67.71
TOTAL SPECIFIED COST															3991.77

Table 21.B Summary of estimated costs per acre Shallots, fresh market, one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	58.20	1.0000	58.20
FUNGICIDES	acre	35.50	1.0000	35.50
HERBICIDES	acre	4.13	1.0000	4.13
HIRED LABOR	acre	192.00	1.0000	192.00
INSECTICIDES	acre	14.31	1.0000	14.31
PACK & HARVEST ITEMS	acre	738.00	1.0000	738.00
SEED	acre	600.00	1.0000	600.00
HARVEST LABOR	acre	1584.00	1.0000	1584.00
OPERATOR LABOR	hour	15.30	28.1870	431.26
DIESEL FUEL	gal	2.10	9.6135	20.19
GASOLINE	gal	2.30	32.8766	75.62
REPAIR & MAINTENANCE	acre	52.35	1.0000	52.35
INTEREST ON OP. CAP.	acre	67.71	1.0000	67.71

TOTAL DIRECT EXPENSES				3873.27
TOTAL FIXED EXPENSES				118.50

TOTAL SPECIFIED EXPENSES				3991.77

Table 21C. Effects of yields and prices on net returns per acre above total direct expenses, Shallots, fresh market, one-row equipment, average yield, Louisiana, 2007.

Yield (Doz Bunches)	-----Price Per Dozen Bunches-----				
	1.20	1.60	2.00	2.40	2.80
	-----Net Returns Per Acre-----				
1000.00	-781.27	-381.27	18.73	418.73	818.73
1500.00	-1127.27	-527.27	72.73	672.73	1272.73
2000.00	-1473.27	-673.27	126.73	926.73	1726.73
2500.00	-1819.27	-819.27	180.73	1180.73	2180.73
3000.00	-2165.27	-965.27	234.73	1434.73	2634.73

Table 22.A Estimated resource use and costs per acre for field operations Squash (Yellow Summer), hybrid, fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Feb							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	2.00	Feb	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Disk 2R	6 ft	43	0.570	1.00	Mar	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	2.00	Mar	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Hipper-fert dist	1R	3 ft	1.550	1.00	Mar	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											500.0000	0.11	56.50	56.50
Hipper 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Conditioner, row	1R	6 ft	0.410	1.00	Mar	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Planter 1R	3 ft	23	1.500	1.00	Mar	4.67	2.37	0.35	0.56	1.650	25.25				33.20
Yellow squash seed	lbs											4.0000	42.00	168.00	168.00
Other labor	hour			1.00	Apr							15.0000	9.60	144.00	144.00
Cultivate & fert	1R	3 ft	1.610	1.00	Apr	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate	33% lb											100.0000	0.13	13.00	13.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Thiodan	lb											0.5000	6.50	3.25	3.25
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Quadris	pt											0.7000	30.56	21.39	21.39
Cultivator 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Quadris	pt											0.7000	30.56	21.39	21.39
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											0.6000	5.41	3.25	3.25
Bravo	pt											1.5000	6.35	9.52	9.52
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											0.6000	5.41	3.25	3.25
Topsin M	lb											0.5000	16.60	8.30	8.30
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											0.6000	5.41	3.25	3.25
Trailer utility	10 ft	23	1.000	1.00	Jun	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	hour											110.0000	9.60	1056.00	1056.00
Harvest container	each											8.0000	1.00	8.00	8.00
Pack line/wet/small	acre			1.00	Jun						12.52				12.52
Packing labor	hour											12.0000	9.60	115.20	115.20
Packing boxes	each											375.0000	0.95	356.25	356.25
Pickup truck	1/2 ton		1.000	10.00	Jun			95.00	89.67	10.000	153.00				337.67
Shredder 1R	5 ft	23	0.740	1.00	Jun	2.30	1.17	0.36	0.93	0.814	12.45				17.21
Disk 2R	6 ft	43	0.570	1.00	Jun	3.27	1.93	0.70	1.00	0.627	9.59				16.50
TOTALS						59.28	31.71	109.24	122.87	27.765	424.80			2014.39	2762.29
INTEREST ON OPERATING CAPITAL															31.78
TOTAL SPECIFIED COST															2794.07

Table 22.B Summary of estimated costs per acre Squash (Yellow Summer), hybrid, fresh market, one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	82.70	1.0000	82.70
FUNGICIDES	acre	60.61	1.0000	60.61
HERBICIDES	acre	10.64	1.0000	10.64
HIRED LABOR	acre	144.00	1.0000	144.00
INSECTICIDES	acre	12.99	1.0000	12.99
PACK & HARVEST ITEMS	acre	364.25	1.0000	364.25
SEED	acre	168.00	1.0000	168.00
HARVEST LABOR	acre	1171.20	1.0000	1171.20
OPERATOR LABOR	hour	15.30	27.7650	424.80
DIESEL FUEL	gal	2.10	7.5582	15.87
GASOLINE	gal	2.30	39.3849	90.59
REPAIR & MAINTENANCE	acre	62.06	1.0000	62.06
INTEREST ON OP. CAP.	acre	31.78	1.0000	31.78

TOTAL DIRECT EXPENSES				2639.49
TOTAL FIXED EXPENSES				154.58

TOTAL SPECIFIED EXPENSES				2794.07

Table 22C. Effects of yields and prices on net returns per acre above total direct expenses, Squash (Yellow Summer), hybrid, fresh market, one-row equipment, average yield, Louisiana, 2007.

Yield (Boxes)	-----Price Per Box-----				
	5.50	6.50	7.50	8.50	9.50
	-----Net Returns Per Acre-----				
275.00	-672.62	-397.62	-122.62	152.38	427.38
325.00	-624.81	-299.81	25.19	350.19	675.19
375.00	-576.99	-201.99	173.01	548.01	923.01
425.00	-529.17	-104.17	320.83	745.83	1170.83
475.00	-481.36	-6.36	468.64	943.64	1418.64

Table 23.B Summary of estimated costs per acre
 Strawberries, drip irrigated, fresh market, plastic
 mulch, row covers, four row equipment, high yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	335.79	1.0000	335.79
FUNGICIDES	acre	901.49	1.0000	901.49
HERBICIDES	acre	41.01	1.0000	41.01
HIRED LABOR	acre	1846.05	1.0000	1846.05
INSECTICIDES	acre	292.25	1.0000	292.25
PACK & HARVEST ITEMS	acre	5038.00	1.0000	5038.00
SEED	acre	72.40	1.0000	72.40
PLASTIC	acre	848.00	1.0000	848.00
FUMIGANT	acre	525.00	1.0000	525.00
PLANTS	acre	1350.00	1.0000	1350.00
HARVEST LABOR	acre	3472.80	1.0000	3472.80
ROW COVERS	acre	910.00	1.0000	910.00
OPERATOR LABOR	hour	15.30	26.7660	409.52
IRRIGATION LABOR	hour	9.60	64.0000	614.40
DIESEL FUEL	gal	2.10	6.2209	13.06
ELECTRICITY	kWh	0.15	1295.2000	194.28
GASOLINE	gal	2.30	35.4894	81.63
REPAIR & MAINTENANCE	acre	319.26	1.0000	319.26
INTEREST ON OP. CAP.	acre	459.72	1.0000	459.72

TOTAL DIRECT EXPENSES				17724.67
TOTAL FIXED EXPENSES				552.00

TOTAL SPECIFIED EXPENSES				18276.66

Table 23C. Effects of yields and prices on net returns per acre above
 total direct expenses, Strawberries, drip irrigated, fresh market
 four-row equipment, high yield, Louisiana, 2007.

Yield (Flat)	-----Price Per Flat-----				
	6.00	7.50	9.00	10.50	12.00
-----Net Returns Per Acre-----					
1700.00	-5629.67	-3079.67	-529.67	2020.33	4570.33
1950.00	-5077.17	-2152.17	772.83	3697.83	6622.83
2200.00	-4524.67	-1224.67	2075.33	5375.33	8675.33
2450.00	-3972.17	-297.17	3377.83	7052.83	10727.83
2700.00	-3419.67	630.33	4680.33	8730.33	12780.33

Table 24.A Estimated resource use and costs per acre for field operations Tomatoes, irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Feb							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	2.00	Feb	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Hipper 1R	3 ft	23	1.530	1.00	Feb	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Mar	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											600.0000	0.11	67.80	67.80
Hipper 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Conditioner, row 1R	6 ft	23	0.410	1.00	Mar	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Plastic layer	5 ft	23	1.500	1.00	Mar	4.67	2.37	2.16	4.51	4.650	71.15				84.85
Plastic roll												5.0000	85.00	425.00	425.00
Hole Puncher 1R	3 ft	23	0.750	1.00	Mar	2.34	1.19	0.63	1.03	0.825	12.62				17.80
Trailer utility	10 ft	23	1.000	1.00	Mar	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Planting labor	hour											40.0000	9.60	384.00	384.00
Tomato plants	100											40.0000	7.60	304.00	304.00
Irrigation, furrow	acin			1.00	Mar			15.20	55.50	4.000	38.40	4.0000			109.10
Cultivator 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Trailer small	8 ft	23	1.000	1.00	Apr	3.11	1.58	0.24	0.86	1.100	16.83				22.62
Other labor	hour											36.0000	9.60	345.60	345.60
Twine roll												2.0000	25.00	50.00	50.00
Stake replacement	100											8.0000	10.50	84.00	84.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Lannate	pt											1.0000	7.09	7.09	7.09
Buffer	pt											1.0000	2.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Gramoxone	pt											1.5000	5.40	8.10	8.10
Surfactant	pt											0.3000	2.00	0.60	0.60
Cultivate & fert 1R	3 ft	23	1.610	1.00	Apr	5.01	2.54	1.77	2.52	1.771	27.10				38.94
CaNO3, regular	lb											300.0000	0.35	105.00	105.00
Irrigation, furrow	acin			1.00	Apr			7.60		2.000	19.20	2.0000			26.80
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Bravo	pt											1.0000	6.35	6.35	6.35
Pounce	pt											0.5000	17.60	8.80	8.80
Buffer	pt											1.0000	2.00	2.00	2.00
Irrigation, furrow	acin			1.00	Apr			7.60		2.000	19.20	2.0000			26.80
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Bravo	pt											1.0000	6.35	6.35	6.35
Ambush	pt											0.5000	14.00	7.00	7.00
Buffer	pt											1.0000	2.00	2.00	2.00
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Quadris	pt											0.3000	30.56	9.17	9.17
Cultivate & fert 1R	3 ft	23	1.610	1.00	May	5.01	2.54	1.77	2.52	1.771	27.10				38.94
CaNO3, regular	lb											300.0000	0.35	105.00	105.00
Irrigation, furrow	acin			1.00	May			7.60		2.000	19.20	2.0000			26.80
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Bravo	pt											1.0000	6.35	6.35	6.35
Ambush	pt											0.5000	14.00	7.00	7.00
Buffer	pt											1.0000	2.00	2.00	2.00
Other labor	hour			1.00	May							23.0000	9.60	220.80	220.80
Twine roll												2.0000	25.00	50.00	50.00
Sprayer, boom	12 ft	23	0.190	2.00	May	1.18	0.60	0.52	0.56	0.418	6.40				9.26
Pounce	pt											1.0000	17.60	17.60	17.60
Bravo	pt											4.0000	6.35	25.40	25.40
Buffer	pt											4.0000	2.00	8.00	8.00
Cultivate & fert 1R	3 ft	23	1.610	1.00	Jun	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33%	lb											100.0000	0.13	13.00	13.00
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Quadris	pt											0.3000	30.56	9.17	9.17
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Pounce	pt											0.5000	17.60	8.80	8.80
Buffer	pt											1.0000	2.00	2.00	2.00
Pickup truck	1/2 ton		1.000	9.30	Jun			88.35	83.39	9.300	142.29				314.03
Trailer small	8 ft	23	1.000	1.00	Jun	3.11	1.58	0.24	0.86	1.100	16.83				22.62
Harvest labor	hour											200.0000	9.60	1920.00	1920.00
Harvest container	each											8.0000	1.00	8.00	8.00
Other labor	hour											3.0000	9.60	28.80	28.80
Packing labor	hour											120.0000	9.60	1152.00	1152.00
Lug boxes	each											900.0000	1.11	999.00	999.00
Shredder 1R	5 ft	23	0.740	1.00	Jun	2.30	1.17	0.36	0.93	0.814	12.45				17.21
Coulter	1 row	23	1.500	1.00	Jun	4.67	2.37	0.64	0.94	1.650	25.25				33.86
Other labor	hour											15.0000	9.60	144.00	144.00
Pickup truck	1/2 ton		1.000	1.00	Jun			9.50	8.97	1.000	15.30				33.77
Middle buster 1R	3 ft	23	1.530	1.00	Jun	4.76	2.42	0.34	0.48	1.683	25.75				33.75
Disk 2R	6 ft	43	0.570	1.00	Jun	3.27	1.93	0.70	1.00	0.627	9.59				16.50
TOTALS						84.02	43.46	156.87	180.49	51.394	729.33			6564.98	7759.14
INTEREST ON OPERATING CAPITAL															100.75
TOTAL SPECIFIED COST															7859.90

Table 24.B Summary of estimated costs per acre Tomatoes, irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	304.00	1.0000	304.00
FUNGICIDES	acre	62.79	1.0000	62.79
HERBICIDES	acre	8.70	1.0000	8.70
HIRED LABOR	acre	1123.20	1.0000	1123.20
INSECTICIDES	acre	74.29	1.0000	74.29
PACK & HARVEST ITEMS	acre	1007.00	1.0000	1007.00
STAKES & TWINE	acre	184.00	1.0000	184.00
PLASTIC	acre	425.00	1.0000	425.00
PLANTS	acre	304.00	1.0000	304.00
HARVEST LABOR	acre	3072.00	1.0000	3072.00
OPERATOR LABOR	hour	15.30	41.3940	633.33
IRRIGATION LABOR	hour	9.60	10.0000	96.00
DIESEL FUEL	gal	2.10	3.7791	7.94
ELECTRICITY	kWh	0.15	60.0000	9.00
GASOLINE	gal	2.30	52.6779	121.16
REPAIR & MAINTENANCE	acre	102.79	1.0000	102.79
INTEREST ON OP. CAP.	acre	100.75	1.0000	100.75

TOTAL DIRECT EXPENSES				7635.95
TOTAL FIXED EXPENSES				223.95

TOTAL SPECIFIED EXPENSES				7859.90

Table 24C. Effects of yields and prices on net returns per acre above total direct expenses, Tomatoes, irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

Yield (Boxes)	-----Price Per Box-----				
	7.00	8.00	9.00	10.00	11.00
	-----Net Returns Per Acre-----				
500.00	-2309.55	-1809.55	-1309.55	-809.55	-309.55
700.00	-1822.75	-1122.75	-422.75	277.25	977.25
900.00	-1335.95	-435.95	464.05	1364.05	2264.05
1100.00	-849.15	250.85	1350.85	2450.85	3550.85
1300.00	-362.35	937.65	2237.65	3537.65	4837.65

Table 25.A Estimated resource use and costs per acre for field operations Tomato, drip irrigated, fresh market, one-row equipment, trellis, plastic mulch, 60" skip rows, high yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Jan							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	2.00	Jan	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Hipper 1R	3 ft	23	1.530	1.00	Feb	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Feb	4.83	2.45	1.82	2.59	1.705	26.09				37.77
Conditioner, row 1R	6 ft	23	0.410	1.00	Feb	1.28	0.65	0.27	0.38	0.451	6.90	700.0000	0.18	128.10	128.10
Plastic layer	5 ft	23	1.500	1.00	Feb	4.67	2.37	2.16	4.51	4.650	71.15				9.48
Plastic	roll											3.0000	85.00	255.00	255.00
T-tape, drip irrig.	roll											2.0000	111.00	222.00	222.00
Hose, lay flat	roll											1.0000	90.00	90.00	90.00
Other labor	hour											10.0000	9.60	96.00	96.00
Methyl bromide	lbs											175.0000	3.00	525.00	525.00
Transplanter mod 900 1 row	100	23	3.000	1.00	Mar	9.34	4.74	3.17	8.26	9.300	108.09	25.0000	7.60	190.00	190.00
Tomato plants	100											2.0000	9.60	19.20	19.20
Planting labor	hour														29.16
Trailer, water	10 ft	43	1.000	1.00	Mar	5.74	3.39	0.63	2.57	1.100	16.83				22.74
Trailer utility	10 ft	23	1.000	1.00	Mar	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Irrigation, drip	acin			1.00	Mar			9.98	60.00	0.200	1.92	1.0000			71.91
Water (from hydrant)	acin											1.0000	3.25	3.25	3.25
CANO3, water sol.	lb											50.0000	0.45	22.50	22.50
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20	1.0000	2.25	2.25	4.63
Sencor	pt											1.0000	2.25	2.25	2.25
Irrigation, drip	acin			1.00	Apr			9.98		0.200	1.92	1.0000			11.91
Admire	pt											1.0000	94.00	94.00	94.00
Trailer utility	10 ft	23	1.000	1.00	Apr	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Stake replacement	100											12.0000	10.50	126.00	126.00
Other labor	hour											15.0000	9.60	144.00	144.00
Sprayer, boom	12 ft	23	0.190	2.00	Apr	1.18	0.60	0.52	0.56	0.418	6.40				9.26
Manzate	lb											4.0000	3.20	12.80	12.80
Kocide	lb											4.0000	3.00	12.00	12.00
Buffer	pt											2.0000	2.00	4.00	4.00
Irrigation, drip	acin			1.00	Apr			9.98		0.200	1.92	1.0000			11.91
Water (from hydrant)	acin											1.0000	3.25	3.25	3.25
CANO3, water sol.	lb											50.0000	0.45	22.50	22.50
Trailer utility	10 ft	23	1.000	1.00	Apr	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Twine	roll											1.0000	25.00	25.00	25.00
Other labor	hour											10.0000	9.60	96.00	96.00
Sprayer, boom	12 ft	23	0.190	2.00	Apr	1.18	0.60	0.52	0.56	0.418	6.40				9.26
Bravo	pt											8.0000	6.35	50.80	50.80
Lannate	pt											6.0000	7.09	42.54	42.54
Buffer	pt											2.0000	2.00	4.00	4.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.5000	14.00	7.00	7.00
Bravo	pt											2.0000	6.35	12.70	12.70
Buffer	pt											1.0000	2.00	2.00	2.00
Irrigation, drip	acin			1.00	Apr			9.98		0.200	1.92	1.0000			11.91
Water (from hydrant)	acin											1.0000	3.25	3.25	3.25
CANO3, water sol.	lb											50.0000	0.45	22.50	22.50
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Gramoxone	pt											2.5000	5.40	13.50	13.50
Surfactant	pt											0.5000	2.00	1.00	1.00
Sprayer, boom	12 ft	23	0.190	2.00	Apr	1.18	0.60	0.52	0.56	0.418	6.40				9.26
Quadris	pt											0.6000	30.56	18.34	18.34
Trailer utility	10 ft	23	1.000	1.00	Apr	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Twine	roll											2.0000	25.00	50.00	50.00
Other labor	hour											10.0000	9.60	96.00	96.00
Irrigation, drip	acin			1.00	Apr			9.98		0.200	1.92	1.0000			11.91
Water (from hydrant)	acin											1.0000	3.25	3.25	3.25
CANO3, water sol.	lb											50.0000	0.45	22.50	22.50
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Bravo	pt											4.0000	6.35	25.40	25.40
Pounce	pt											0.5000	17.60	8.80	8.80
Buffer	pt											1.0000	2.00	2.00	2.00
Trailer utility	10 ft	23	1.000	1.00	May	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Twine	roll											2.0000	25.00	50.00	50.00
Other labor	hour											10.0000	9.60	96.00	96.00
Irrigation, drip	acin			1.00	May			9.98		0.200	1.92	1.0000			11.91
Water (from hydrant)	acin											1.0000	3.25	3.25	3.25
CANO3, water sol.	lb											50.0000	0.45	22.50	22.50
Admire	pt											1.0000	94.00	94.00	94.00
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Quadris	pt											0.3000	30.56	9.17	9.17
Sprayer, boom	12 ft	23	0.190	3.00	May	1.77	0.90	0.78	0.84	0.627	9.59				13.89
Bravo	pt											6.0000	6.35	38.10	38.10
Sevin	lbs											3.7500	5.41	20.29	20.29
Buffer	pt											3.7500	2.00	7.50	7.50
Irrigation, drip	acin			1.00	May			19.97		0.400	3.84	2.0000			23.81
Water (from hydrant)	acin											2.0000	3.25	6.50	6.50
CANO3, water sol.	lb											50.0000	0.45	22.50	22.50
Irrigation, drip	acin			1.00	Jun			19.97		0.400	3.84	2.0000			23.81
Water (from hydrant)	acin											2.0000	3.25	6.50	6.50
CANO3, water sol.	lb											50.0000	0.45	22.50	22.50
Trailer utility	10 ft	23	1.000	1.00	Jun	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	hour											160.0000	9.60	1536.00	1536.00
Harvest container	each											8.0000	1.00	8.00	8.00
Pack line/wet/small	acre			1.00	Jun			2.79	12.52			1.0000			15.31
Packing labor	hour											110.0000	9.60	1056.00	1056.00
Other labor	hour											8.0000	9.60	76.80	76.80
Lug boxes	each											2000.0000	1.11	2220.00	2220.00
Trailer utility	10 ft	23	1.000	1.00	Jul	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Other labor	hour											8.0000	9.60	76.80	76.80
Shredder 1R	5 ft	23	0.740	1.00	Jul	2.30	1.17	0.36	0.93	0.814	12.45				17.21
Coulter	1 row	23	1.500	1.00	Jul	4.67	2.37	0.64	0.94	1.650	25.25				33.86
Other labor	hour											15.0000	9.60	144.00	144.00
Pickup truck	1/2 ton				Jul			9.50	8.97	1.000	15.30				

Table 25.B Summary of estimated costs per acre, Tomato, drip irrigated, fresh market, one-row equipment, trellis, plastic mulch, 60" skip rows, high yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	298.80	1.0000	298.80
FUNGICIDES	acre	179.30	1.0000	179.30
HERBICIDES	acre	16.75	1.0000	16.75
HIRED LABOR	acre	844.80	1.0000	844.80
INSECTICIDES	acre	286.13	1.0000	286.13
PACK & HARVEST ITEMS	acre	2228.00	1.0000	2228.00
STAKES & TWINE	acre	251.00	1.0000	251.00
PLASTIC	acre	567.00	1.0000	567.00
FUMIGANT	acre	525.00	1.0000	525.00
PLANTS	acre	190.00	1.0000	190.00
CUSTOM	acre	29.25	1.0000	29.25
HARVEST LABOR	acre	2592.00	1.0000	2592.00
OPERATOR LABOR	hour	15.30	29.4870	451.15
HAND LABOR	hour	9.60	6.0000	57.60
IRRIGATION LABOR	hour	9.60	2.0000	19.20
DIESEL FUEL	gal	2.10	7.2488	15.22
ELECTRICITY	kWh	0.15	522.2500	78.34
GASOLINE	gal	2.30	24.9757	57.44
REPAIR & MAINTENANCE	acre	59.95	1.0000	59.95
INTEREST ON OP. CAP.	acre	191.32	1.0000	191.32
TOTAL DIRECT EXPENSES				8938.25
TOTAL FIXED EXPENSES				159.77
TOTAL SPECIFIED EXPENSES				9098.02

Table 25C. Effects of yields and prices on net returns per acre above total direct expenses, Tomatoes, drip irrigated, fresh market, one-row equipment, trellis, 60" skip row, high yield, Louisiana, 2007

Yield (Boxes)	-----Price Per 20 Lb. Box-----				
	6.00	7.50	9.00	10.50	12.00
	-----Net Returns Per Acre-----				
1100.00	-1015.25	634.75	2284.75	3934.75	5584.75
1350.00	-176.75	1848.25	3873.25	5898.25	7923.25
1600.00	661.75	3061.75	5461.75	7861.75	10261.75
1850.00	1500.25	4275.25	7050.25	9825.25	12600.25
2100.00	2338.75	5488.75	8638.75	11788.75	14938.75

Table 26.A Estimated resource use and costs per acre for field operations Watermelons, fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Feb							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	2.00	Feb	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Middle buster 1R	3 ft	23	1.530	1.00	Feb	4.76	2.42	0.34	0.48	1.683	25.75				33.75
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Mar	4.83	2.45	1.82	2.59	1.705	26.09				37.77
10-20-20	lb											500.0000	0.12	57.50	57.50
Hipper 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Planter 1R	3 ft	23	1.500	1.00	Mar	4.67	2.37	0.35	0.56	1.650	25.25				33.20
Watermelon seed	lbs											1.0000	26.63	26.63	26.63
Other labor	hour											2.0000	9.60	19.20	19.20
Sprayer, boom	12 ft	23	0.190	1.00	Mar	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Curbit	pt											3.0000	4.76	14.28	14.28
Cultivator 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Other labor	hour			1.00	Apr							10.0000	9.60	96.00	96.00
Cultivate & fert 1R	3 ft	23	1.610	1.00	Apr	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33% lb												75.0000	0.13	9.75	9.75
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Thiodan	lb											0.5000	6.50	3.25	3.25
Quadris	pt											0.7000	30.56	21.39	21.39
Cultivator 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Thiodan	lb											0.5000	6.50	3.25	3.25
Quadris	pt											0.7000	30.56	21.39	21.39
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											0.6000	5.41	3.25	3.25
Bravo	pt											1.5000	6.35	9.52	9.52
Other labor	hour			1.00	Jun							10.0000	9.60	96.00	96.00
Trailer utility	10 ft	23	1.000	5.00	Jul	15.57	7.90	1.33	4.76	5.500	84.15				113.71
Harvest labor	hour			1.00	Jul							40.0000	9.60	384.00	384.00
Pickup truck	1/2 ton		1.000	5.00	Jul				47.50	44.83	5.000	76.50			168.83
Shredder 1R	5 ft	23	0.740	1.00	Jul	2.30	1.17	0.36	0.93	0.814	12.45				17.21
Disk 2R	6 ft	43	0.570	1.00	Jul	3.27	1.93	0.70	1.00	0.627	9.59				16.50
TOTALS						68.98	35.83	61.59	67.77	27.781	425.05			789.25	1448.47
INTEREST ON OPERATING CAPITAL															25.39
TOTAL SPECIFIED COST															1473.86

Table 26.B Summary of estimated costs per acre Watermelons, fresh market, one-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	80.45	1.0000	80.45
FUNGICIDES	acre	52.31	1.0000	52.31
HERBICIDES	acre	24.92	1.0000	24.92
HIRED LABOR	acre	211.20	1.0000	211.20
INSECTICIDES	acre	9.75	1.0000	9.75
SEED	acre	26.63	1.0000	26.63
HARVEST LABOR	acre	384.00	1.0000	384.00
OPERATOR LABOR	hour	15.30	27.7810	425.05
DIESEL FUEL	gal	2.10	3.7791	7.94
GASOLINE	gal	2.30	33.9700	78.13
REPAIR & MAINTENANCE	acre	44.50	1.0000	44.50
INTEREST ON OP. CAP.	acre	25.39	1.0000	25.39

TOTAL DIRECT EXPENSES				1370.26
TOTAL FIXED EXPENSES				103.60

TOTAL SPECIFIED EXPENSES				1473.86

Table 26C. Effects of yields and prices on net returns per acre above total direct expenses, Watermelons, fresh market, one-row equipment, average yield, Louisiana, 2007.

Yield (Cwt)	-----Price Per Cwt-----				
	5.00	6.00	7.00	8.00	9.00
	-----Net Returns Per Acre-----				
120.00	-616.66	-496.66	-376.66	-256.66	-136.66
160.00	-493.46	-333.46	-173.46	-13.46	146.54
200.00	-370.26	-170.26	29.74	229.74	429.74
240.00	-247.06	-7.06	232.94	472.94	712.94
280.00	-123.86	156.14	436.14	716.14	996.14

Table 27.A Estimated resource use and costs per acre for field operations Beans (Butter), shelled fresh market, one-row equipment average yield, machine harvest, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
-----dollars-----															
Lime (spread)	cwt			1.00	Jan										13.20
Disk 2R	6 ft	43	0.570	1.00	Jan	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	2.00	Mar	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Disk & herb appl 2R	6 ft	23	0.590	1.00	Apr	1.84	0.93	0.83	1.18	0.649	9.93				14.71
Treflan	pt											1.2500	2.87	3.59	3.59
Dual	pt											1.5000	13.55	20.33	20.33
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Apr	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											400.0000	0.11	45.20	45.20
Hipper 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Conditioner, row 1R	6 ft	23	0.410	1.00	Apr	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Planter 1R	3 ft	23	1.500	1.00	Apr	4.67	2.37	0.35	0.56	1.650	25.25				33.20
Butter bean seed	lbs											60.0000	1.50	90.00	90.00
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Basagran	pt											1.0000	10.26	10.26	10.26
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Orthene	lbs											0.5000	11.90	5.95	5.95
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Bravo	pt											1.5000	6.35	9.52	9.52
Orthene	lbs											0.5000	11.90	5.95	5.95
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Orthene	lbs											0.5000	11.90	5.95	5.95
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											1.0000	5.41	5.41	5.41
Sprayer, boom	12 ft	23	0.190	1.00	Jul	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											1.0000	5.41	5.41	5.41
Harvester, bean 1R	3 ft	68	1.000	1.00	Jul	9.07	5.28	8.03	12.49	1.100	16.83				51.69
Harvest sacks	each											75.0000	0.75	56.25	56.25
Other labor	hour											1.0000	9.60	9.60	9.60
Trailer utility	10 ft	23	1.000	1.00	Jul	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Sheller, bean/pea	acre											1.0000			75.46
Other labor	hour											15.0000	9.60	144.00	144.00
plastic bag, sealing	each											50.0000	0.10	5.00	5.00
Pickup truck	1/2 ton		1.000	5.00	Jul			47.50	44.83	5.000	76.50				168.83
Disk 2R	6 ft	43	0.570	2.00	Jul	6.55	3.86	1.40	2.00	1.254	19.19				33.00
						-----		-----		-----		-----			
TOTALS						59.59	32.28	73.28	82.29	27.802	388.32			446.26	1082.02
INTEREST ON OPERATING CAPITAL															51.89
TOTAL SPECIFIED COST															1133.91

Table 27.B Summary of estimated costs per acre,
 Beans (Butter), shelled fresh market, one-row equipment
 average yield, machine harvest, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	58.40	1.0000	58.40
FUNGICIDES	acre	9.52	1.0000	9.52
HERBICIDES	acre	44.81	1.0000	44.81
HIRED LABOR	acre	153.60	1.0000	153.60
INSECTICIDES	acre	28.67	1.0000	28.67
PACK & HARVEST ITEMS	acre	61.25	1.0000	61.25
SEED	acre	90.00	1.0000	90.00
OPERATOR LABOR	hour	15.30	21.3020	325.92
HAND LABOR	hour	9.60	6.5000	62.40
DIESEL FUEL	gal	2.10	9.7985	20.58
ELECTRICITY	kWh	0.15	12.7500	1.91
GASOLINE	gal	2.30	24.8961	57.26
REPAIR & MAINTENANCE	acre	53.12	1.0000	53.12
INTEREST ON OP. CAP.	acre	51.89	1.0000	51.89

TOTAL DIRECT EXPENSES				1019.35
TOTAL FIXED EXPENSES				114.57

TOTAL SPECIFIED EXPENSES				1133.91

Table 27C. Effects of yields and prices on net returns per acre above
 total direct expenses, Beans (Butter), fresh market, one-row
 equipment, machine harvest, production parameters specified
 by Extension Horticulture Specialist, Louisiana, 2007.

Yield (Bushels)	-----Price Per Bushel-----				
	16.00	18.00	20.00	22.00	24.00
	-----Net Returns Per Acre-----				
35.00	-442.95	-372.95	-302.95	-232.95	-162.95
55.00	-131.15	-21.15	88.85	198.85	308.85
75.00	180.65	330.65	480.65	630.65	780.65
95.00	492.45	682.45	872.45	1062.45	1252.45
115.00	804.25	1034.25	1264.25	1494.25	1724.25

Table 28.A Estimated resource use and costs per acre for field operations Beans (Snap), fresh market, one-row equipment, average yield, machine harvest, Louisiana, 20007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
-----dollars-----															
Lime (spread)	cwt			1.00	Feb							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	1.00	Feb	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	2.00	Mar	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Sprayer, boom	12 ft	23	0.190	1.00	Mar	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Treflan	pt											1.2500	2.87	3.59	3.59
Dual	pt											1.5000	13.55	20.33	20.33
Disk 2R	6 ft	43	0.570	1.00	Mar	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Mar	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											400.0000	0.11	45.20	45.20
Hipper 1R	3 ft	23	1.530	2.00	Mar	9.53	4.84	1.35	1.92	3.366	51.50				69.13
Conditioner, row 1R	6 ft	23	0.410	1.00	Mar	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Planter 1R	3 ft	23	1.500	1.00	Mar	4.67	2.37	0.35	0.56	1.650	25.25				33.20
Snap bean seeds	lbs											60.0000	1.50	90.00	90.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Orthene	lbs											0.5000	11.90	5.95	5.95
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Orthene	lbs											0.5000	11.90	5.95	5.95
Bravo	pt											1.5000	6.35	9.52	9.52
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Basagran	pt											1.0000	10.26	10.26	10.26
Cultivator 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Diazinon	pt											0.5000	3.80	1.90	1.90
Topsin M	lb											1.0000	16.60	16.60	16.60
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											1.0000	5.41	5.41	5.41
Topsin M	lb											1.0000	16.60	16.60	16.60
Harvester, bean 1R	3 ft	68	1.000	1.00	Jun	9.07	5.28	8.03	12.49	1.100	16.83				51.69
Packing sacks	each											50.0000	0.75	37.50	37.50
Trailer utility	10 ft	23	1.000	1.00	Jun	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Packing line, dry	acre			1.00	Jun			1.57	8.76			1.0000			10.33
Packing labor	hour											15.0000	9.60	144.00	144.00
Bushel hampers	each			1.00	Jun							125.0000	2.25	281.25	281.25
Pickup truck	1/2 ton		1.000	5.00	Jun			47.50	44.83	5.000	76.50				168.83
Fork lift			1.000	1.00	Jun			4.88	4.58	1.000	15.30				24.76
Disk 2R	6 ft	43	0.570	1.00	Jun	3.27	1.93	0.70	1.00	0.627	9.59				16.50
TOTALS						57.76	31.34	72.71	85.94	21.653	331.29			717.90	1296.95
INTEREST ON OPERATING CAPITAL															17.81
TOTAL SPECIFIED COST															1314.76

Table 28.B Summary of estimated costs per acre
 Beans (Snap), fresh market, one-row equipment,
 average yield, machine harvest, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	58.40	1.0000	58.40
FUNGICIDES	acre	42.73	1.0000	42.73
HERBICIDES	acre	44.81	1.0000	44.81
INSECTICIDES	acre	19.21	1.0000	19.21
PACK & HARVEST ITEMS	acre	318.75	1.0000	318.75
SEED	acre	90.00	1.0000	90.00
HARVEST LABOR	acre	144.00	1.0000	144.00
OPERATOR LABOR	hour	15.30	21.6530	331.29
DIESEL FUEL	gal	2.10	9.7985	20.58
ELECTRICITY	kWh	0.15	1.1500	0.17
GASOLINE	gal	2.30	25.7294	59.18
REPAIR & MAINTENANCE	acre	50.54	1.0000	50.54
INTEREST ON OP. CAP.	acre	17.81	1.0000	17.81

TOTAL DIRECT EXPENSES				1197.47
TOTAL FIXED EXPENSES				117.29

TOTAL SPECIFIED EXPENSES				1314.76

Table 28C. Effects of yields and prices on net returns per acre above
 total direct expenses, Beans (Snap), fresh market, one-row
 equipment, machine harvest, production parameters specified
 by Extension Horticulture Specialist, Louisiana, 2007.

Yield (Bushels)	-----Price Per Bushel-----				
	8.00	10.00	12.00	14.00	16.00
	-----Net Returns Per Acre-----				
60.00	-682.99	-562.99	-442.99	-322.99	-202.99
80.00	-540.23	-380.23	-220.23	-60.23	99.77
100.00	-397.47	-197.47	2.53	202.53	402.53
120.00	-254.71	-14.71	225.29	465.29	705.29
140.00	-111.95	168.05	448.05	728.05	1008.05

Table 29.A Estimated resource use and costs per acre for field operations Cabbage, hybrid, double drilled seedbed, irrigated, fresh market, six-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
Disk 6R	20 ft	143	0.100	2.00	Jul	3.94	2.61	1.54	2.19	0.220	3.37				13.64
Disk & herb appl	6R	143	0.100	1.00	Aug	1.97	1.30	0.82	1.17	0.110	1.68				6.95
Treflan	pt											1.0000	2.87	2.87	2.87
Fertilizer buggy	30 ft	93	0.060	1.00	Aug	0.23	0.66		0.33	0.066	1.01				2.23
7-21-21	lb											700.0000	0.12	84.00	84.00
Hipper 6R	20 ft	143	0.090	2.00	Aug	3.55	2.34	0.57	0.81	0.198	3.03				10.30
Planter, precision	2R	68	0.600	1.00	Aug	5.44	3.17	3.06	4.51	0.660	10.10				26.27
Cabbage seed	4 unit											0.7500	272.00	204.00	204.00
Irrig. Sys. 2 pipe	acin			1.00	Aug			7.10	27.70	0.740	7.10	2.0000			41.91
Other labor	hour			1.00	Aug							4.0000	9.60	38.40	38.40
Fertilizer applicatr	20 ft	93	0.090	1.00	Sep	0.35	0.99	0.24	0.34	0.099	1.51				3.43
Ammonium Nitrate 33%	lb											150.0000	0.13	19.50	19.50
Cultivator 6R	20 ft	143	0.100	1.00	Sep	1.97	1.30	0.29	0.41	0.110	1.68				5.65
Irrig. Sys. 2 pipe	acin			1.00	Sep			7.10	0.740	7.10	7.10	2.0000			14.21
Sprayer, boom	20 ft	93	0.120	1.00	Sep	1.67	1.32	0.26	0.28	0.132	2.02				5.56
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Fertilizer applicatr	20 ft	93	0.090	1.00	Sep	0.35	0.99	0.24	0.34	0.099	1.51				3.43
Ammonium Nitrate 33%	lb											150.0000	0.13	19.50	19.50
Cultivator 6R	20 ft	143	0.100	1.00	Sep	1.97	1.30	0.29	0.41	0.110	1.68				5.65
Irrig. Sys. 2 pipe	acin			1.00	Sep			7.10	0.740	7.10	7.10	2.0000			14.21
Sprayer, boom	20 ft	93	0.120	1.00	Sep	1.67	1.32	0.26	0.28	0.132	2.02				5.56
Confirm	lb											0.5000	23.36	11.68	11.68
Dipel	pt											1.0000	4.47	4.47	4.47
Buffer	pt											1.0000	2.00	2.00	2.00
Sprayer, boom	20 ft	93	0.120	1.00	Oct	1.67	1.32	0.26	0.28	0.132	2.02				5.56
Confirm	lb											0.5000	23.36	11.68	11.68
Dipel	pt											1.0000	4.47	4.47	4.47
Pennncap M	pt											1.0000	3.48	3.48	3.48
Buffer	pt											1.0000	2.00	2.00	2.00
Fertilizer applicatr	20 ft	93	0.090	1.00	Oct	0.35	0.99	0.24	0.34	0.099	1.51				3.43
Ammonium Nitrate 33%	lb											150.0000	0.13	19.50	19.50
Cultivator 6R	20 ft	143	0.100	1.00	Oct	1.97	1.30	0.29	0.41	0.110	1.68				5.65
Irrig. Sys. 2 pipe	acin			1.00	Oct			7.10	0.740	7.10	7.10	2.0000			14.21
Sprayer, boom	20 ft	93	0.120	2.00	Oct	3.35	2.64	0.53	0.57	0.264	4.04				11.13
Confirm	lb											1.0000	23.36	23.36	23.36
Dipel	pt											2.0000	4.47	8.94	8.94
Bravo	pt											1.5000	6.35	9.52	9.52
Buffer	pt											2.0000	2.00	4.00	4.00
Irrig. Sys. 2 pipe	acin			1.00	Oct			7.10		0.740	7.10	2.0000			14.21
Sprayer, boom	20 ft	93	0.120	1.00	Nov	1.67	1.32	0.26	0.28	0.132	2.02				5.56
Confirm	lb											0.5000	23.36	11.68	11.68
Dipel	pt											1.0000	4.47	4.47	4.47
Bravo	pt											0.7500	6.35	4.76	4.76
Buffer	pt											1.0000	2.00	2.00	2.00
Irrig. Sys. 2 pipe	acin			1.00	Nov			7.10		0.740	7.10	2.0000			14.21
Sprayer, boom	20 ft	93	0.120	1.00	Nov	1.67	1.32	0.26	0.28	0.132	2.02				5.56
Ambush	pt											0.2500	14.00	3.50	3.50
Dipel	pt											1.0000	4.47	4.47	4.47
Buffer	pt											1.0000	2.00	2.00	2.00
Trailer utility	10 ft	23	1.000	1.00	Nov	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	hour											12.0000	9.60	115.20	115.20
Packing sacks	each											700.0000	0.75	525.00	525.00
Packing labor	hour											8.0000	9.60	76.80	76.80
Trailer utility	10 ft	23	1.000	2.00	Dec	6.23	3.16	0.53	1.90	2.200	33.66				45.49
Harvest labor	hour			1.00	Dec							36.0000	9.60	345.60	345.60
Packing labor	hour											15.0000	9.60	144.00	144.00
Disk 6R	20 ft	143	0.100	1.00	Dec	1.97	1.30	0.77	1.10	0.110	1.68				6.82
TOTALS						45.12	32.25	53.60	44.89	10.655	137.71			1723.50	2037.07
INTEREST ON OPERATING CAPITAL															34.79
TOTAL SPECIFIED COST															2071.86

Table 29.B Summary of estimated costs per acre,
Cabbage, hybrid, double drilled seedbed, irrigated,
fresh market, six-row equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	142.50	1.0000	142.50
FUNGICIDES	acre	14.29	1.0000	14.29
HERBICIDES	acre	13.51	1.0000	13.51
HIRED LABOR	acre	38.40	1.0000	38.40
INSECTICIDES	acre	104.20	1.0000	104.20
PACK & HARVEST ITEMS	acre	525.00	1.0000	525.00
SEED	acre	204.00	1.0000	204.00
HARVEST LABOR	acre	681.60	1.0000	681.60
OPERATOR LABOR	hour	15.30	6.2150	95.09
IRRIGATION LABOR	hour	9.60	4.4400	42.62
DIESEL FUEL	gal	2.10	29.5204	61.99
GASOLINE	gal	2.30	3.3900	7.80
REPAIR & MAINTENANCE	acre	28.93	1.0000	28.93
INTEREST ON OP. CAP.	acre	34.79	1.0000	34.79
TOTAL DIRECT EXPENSES				1994.72
TOTAL FIXED EXPENSES				77.13
TOTAL SPECIFIED EXPENSES				2071.86

Table 29C. Effects of yields and prices on net returns per acre above total direct expenses, Cabbage, hybrid, direct seeded, fresh market, double drilled, irrigated, six-row equipment, production parameters specified by Extension Horticulture Specialist, Louisiana, 2007.

Yield (Sacks)	-----Price Per Sack-----				
	2.25	3.00	3.75	4.50	5.25
	-----Net Returns Per Acre-----				
400.00	-380.12	-80.12	219.88	519.88	819.88
550.00	-399.92	12.58	425.08	837.58	1250.08
700.00	-419.72	105.28	630.28	1155.28	1680.28
850.00	-439.52	197.98	835.48	1472.98	2110.48
1000.00	-459.32	290.68	1040.68	1790.68	2540.68

Table 30.A Estimated resource use and costs per acre for field operations Cucumber, hybrid, trellis, skip row, fresh market, one-row equipment, irrigated, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Jan							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	3.00	Feb	9.82	5.80	2.11	3.00	1.881	28.78				49.50
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Feb	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											600.0000	0.11	67.80	67.80
Hipper 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Planter 1R	3 ft	23	1.500	1.00	Mar	4.67	2.37	0.35	0.56	1.650	25.25				33.20
Cucumber seed	lbs											1.0000	93.16	93.16	93.16
Sprayer, boom	12 ft	23	0.190	1.00	Mar	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Curbit	pt											3.5000	4.76	16.66	16.66
Irrig. Sys. 2 pipe	acin			1.00	Mar			7.10	27.70	0.740	7.10	2.0000			41.91
Cultivate & fert 1R	3 ft	23	1.610	1.00	Apr	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33% lb	lb											150.0000	0.13	19.50	19.50
Sprayer, boom	12 ft	23	0.190	2.00	Apr	1.18	0.60	0.52	0.56	0.418	6.40				9.26
Ambush	pt											1.0000	14.00	14.00	14.00
Buffer	pt											2.0000	2.00	4.00	4.00
Topsin M	lb											1.0000	16.60	16.60	16.60
Trailer utility	10 ft	23	1.000	1.00	Apr	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Stake replacement	100											10.0000	10.50	105.00	105.00
Twine, poly	roll											3.0000	4.50	13.50	13.50
Other labor	hour											30.0000	9.60	288.00	288.00
Plant tie machine	hour			1.00	Apr				1.00			10.0000			1.00
Tape	roll											3.0000	0.80	2.40	2.40
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.5000	14.00	7.00	7.00
Bravo	pt											1.5000	6.35	9.52	9.52
Buffer	pt											1.0000	2.00	2.00	2.00
Cultivator 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Twine, poly	roll			1.00	Apr							3.0000	4.50	13.50	13.50
Other labor	hour											10.0000	9.60	96.00	96.00
Plant tie machine	hour			1.00	Apr				1.40			14.0000			1.40
Other labor	hour											14.0000	9.60	134.40	134.40
Tape	roll											5.0000	0.80	4.00	4.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.5000	14.00	7.00	7.00
Bravo	pt											1.5000	6.35	9.52	9.52
Buffer	pt											1.0000	2.00	2.00	2.00
Topsin M	lb											0.5000	16.60	8.30	8.30
Twine, poly	roll			1.00	Apr							3.0000	4.50	13.50	13.50
Other labor	hour											10.0000	9.60	96.00	96.00
Plant tie machine	hour			1.00	Apr				1.00			10.0000			1.00
Other labor	hour											10.0000	9.60	96.00	96.00
Tape	roll											3.0000	0.80	2.40	2.40
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Quadris	pt											0.7000	30.56	21.39	21.39
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Twine, poly	roll			1.00	May							10.0000	4.50	45.00	45.00
Other labor	hour											3.0000	9.60	28.80	28.80
Plant tie machine	hour			1.00	May				0.60			6.0000			0.60
Other labor	hour											6.0000	9.60	57.60	57.60
Tape	roll											2.0000	0.80	1.60	1.60
Irrig. Sys. 2 pipe	acin			1.00	May			7.10		0.740	7.10	2.0000			14.21
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											0.6000	5.41	3.25	3.25
Bravo	pt											1.5000	6.35	9.52	9.52
Topsin M	lb											0.5000	16.60	8.30	8.30
Buffer	pt											1.0000	2.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Quadris	pt											0.7000	30.56	21.39	21.39
Irrig. Sys. 2 pipe	acin			1.00	May			7.10		0.740	7.10	2.0000			14.21
Sprayer, boom	12 ft	23	0.190	2.00	Jun	1.18	0.60	0.52	0.56	0.418	6.40				9.26
Sevin	lbs											1.2000	5.41	6.49	6.49
Bravo	pt											3.0000	6.35	19.05	19.05
Topsin M	lb											1.0000	16.60	16.60	16.60
Buffer	pt											2.0000	2.00	4.00	4.00
Irrig. Sys. 2 pipe	acin			1.00	Jun			7.10		0.740	7.10	2.0000			14.21
Trailer utility	10 ft	23	1.000	1.00	Jun	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	hour											65.0000	9.60	624.00	624.00
Packing boxes	each											250.0000	1.25	312.50	312.50
Harvest container	each											8.0000	1.00	8.00	8.00
Pack line/wet/small	acre			1.00	Jun			2.79	12.52			1.0000			15.31
Packing labor	hour											15.0000	9.60	144.00	144.00
Sprayer, boom	12 ft	23	0.190	1.00	Jul	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											0.6000	5.41	3.25	3.25
Bravo	pt											1.5000	6.35	9.52	9.52
Topsin M	lb											0.5000	16.60	8.30	8.30
Irrig. Sys. 2 pipe	acin			1.00	Jul			7.10		0.740	7.10	2.0000			14.21
Trailer utility	10 ft	23	1.000	1.00	Jul	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	hour											65.0000	9.60	624.00	624.00
Packing boxes	each											190.0000	1.25	237.50	237.50
Pack line/wet/small	acre			1.00	Jul			2.79				1.0000			2.79
Packing labor	hour											15.0000	9.60	144.00	144.00
Trailer utility	10 ft	23	1.000	1.00	Jul	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Other labor	hour											15.0000	9.60	144.00	144.00
Disk 2R	6 ft	43	0.570	2.00	Jul	6.55	3.86	1.40	2.00	1.254	19.19				33.00
TOTALS						59.96	31.79	54.75	64.93	22.235	319.11			3669.68	4200.22
INTEREST ON OPERATING CAPITAL															74.80
TOTAL SPECIFIED COST															4275.02

Table 30.B Summary of estimated costs per acre
 Cucumber, hybrid, trellis, skip row, fresh market,
 one-row equipment, irrigated, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	100.50	1.0000	100.50
FUNGICIDES	acre	158.03	1.0000	158.03
HERBICIDES	acre	27.30	1.0000	27.30
HIRED LABOR	acre	940.80	1.0000	940.80
INSECTICIDES	acre	54.98	1.0000	54.98
PACK & HARVEST ITEMS	acre	558.00	1.0000	558.00
SEED	acre	93.16	1.0000	93.16
STAKES & TWINE	acre	190.50	1.0000	190.50
CUSTOM	acre	10.40	1.0000	10.40
HARVEST LABOR	acre	1536.00	1.0000	1536.00
OPERATOR LABOR	hour	15.30	18.5350	283.59
IRRIGATION LABOR	hour	9.60	3.7000	35.52
DIESEL FUEL	gal	2.10	20.3985	42.84
ELECTRICITY	kWh	0.15	10.5000	1.58
GASOLINE	gal	2.30	15.8200	36.39
REPAIR & MAINTENANCE	acre	33.92	1.0000	33.92
INTEREST ON OP. CAP.	acre	74.80	1.0000	74.80

TOTAL DIRECT EXPENSES				4178.29
TOTAL FIXED EXPENSES				96.72

TOTAL SPECIFIED EXPENSES				4275.02

Table 30C. Effects of yields and prices on net returns per acre above
 total direct expenses, Cucumber, trellis, hybrid, skip row,
 fresh market, one-row equipment, irrigated, production
 parameters specified by Extension Horticulture Specialist,
 Louisiana, 2007.

Yield (Bushels)	-----Price Per Bushel-----				
	6.00	7.50	9.00	10.50	12.00
	-----Net Returns Per Acre-----				
300.00	-1785.29	-1335.29	-885.29	-435.29	14.71
400.00	-1481.79	-881.79	-281.79	318.21	918.21
500.00	-1178.29	-428.29	321.71	1071.71	1821.71
600.00	-874.79	25.21	925.21	1825.21	2725.21
700.00	-571.29	478.71	1528.71	2578.71	3628.71

Table 31.A Estimated resource use and costs per acre for field operations Eggplant, bare soil, trellis, one-row equipment, 60" skip rows, 2500 plants/acre, fresh market, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Jan							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	1.00	Jan	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	2.00	Feb	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Hipper 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Mar	4.83	2.45	1.82	2.59	1.705	26.09				37.77
13-13-13	lb											700.0000	0.18	128.10	128.10
Disk & herb appl 6R	20 ft	143	0.100	1.00	Mar	1.97	1.30	0.82	1.17	0.110	1.68				6.95
Devrinol	lb											3.0000	8.39	25.17	25.17
Conditioner, row 1R	6 ft	23	0.410	1.00	Mar	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Hole Puncher 1R	3 ft	23	0.750	1.00	Mar	2.34	1.19	0.63	1.03	0.825	12.62				17.80
Trailer utility	10 ft	23	1.000	1.00	Mar	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Eggplant plants	100											25.0000	5.00	125.00	125.00
Planting labor	hour											30.0000	9.60	288.00	288.00
Trailer, water	10 ft	43	1.000	1.00	Mar	5.74	3.39	0.63	2.57	1.100	16.83				29.16
Cultivator 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Cultivator 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Trailer utility	10 ft	23	1.000	1.00	Apr	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Stake replacement	100											12.0000	10.50	126.00	126.00
Other labor	hour											15.0000	9.60	144.00	144.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Malathion	pt											1.0000	2.63	2.63	2.63
Buffer	pt											1.0000	2.00	2.00	2.00
Cultivate & fert 1R	3 ft	23	1.610	1.00	Apr	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33%	lb											150.0000	0.13	19.50	19.50
Trailer utility	10 ft	23	1.000	1.00	Apr	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Twine	roll											1.0000	25.00	25.00	25.00
Other labor	hour											10.0000	9.60	96.00	96.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.8000	14.00	11.20	11.20
Buffer	pt											1.0000	2.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Trailer utility	10 ft	23	1.000	1.00	Apr	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Twine	roll											2.0000	25.00	50.00	50.00
Other labor	hour											10.0000	9.60	96.00	96.00
Cultivate & fert 1R	3 ft	23	1.610	1.00	May	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33%	lb											75.0000	0.13	9.75	9.75
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Vendex	lb											3.0000	23.00	69.00	69.00
Buffer	pt											1.0000	2.00	2.00	2.00
Trailer utility	10 ft	23	1.000	1.00	Jun	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	hour											44.0000	9.60	422.40	422.40
Harvest container	each											8.0000	1.00	8.00	8.00
Packing labor	hour											22.0000	9.60	211.20	211.20
Other labor	hour											1.5000	9.60	14.40	14.40
Packing boxes	each											225.0000	1.25	281.25	281.25
Cultivate & fert 1R	3 ft	23	1.610	1.00	Jun	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33%	lb											75.0000	0.13	9.75	9.75
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Provado	pt											0.2300	54.08	12.44	12.44
Buffer	pt											1.0000	2.00	2.00	2.00
Sprayer, boom	12 ft	23	0.190	1.00	Jul	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Provado	pt											0.2300	54.08	12.44	12.44
Buffer	pt											1.0000	2.00	2.00	2.00
Trailer utility	10 ft	23	1.000	1.00	Jul	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	hour											44.0000	9.60	422.40	422.40
Packing labor	hour											20.0000	9.60	192.00	192.00
Other labor	hour											1.5000	9.60	14.40	14.40
Packing boxes	each											225.0000	1.25	281.25	281.25
Trailer utility	10 ft	23	1.000	1.00	Aug	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Other labor	hour											8.0000	9.60	76.80	76.80
Pickup truck	1/2 ton		1.000	1.00	Aug			9.50	8.97	1.000	15.30				33.77
Shredder 1R	5 ft	23	0.740	1.00	Aug	2.30	1.17	0.36	0.93	0.814	12.45				17.21
Disk 2R	6 ft	43	0.570	2.00	Aug	6.55	3.86	1.40	2.00	1.254	19.19				33.00
TOTALS						89.50	47.56	29.65	43.33	28.456	435.38			3207.92	3853.33
INTEREST ON OPERATING CAPITAL															98.78
TOTAL SPECIFIED COST															3952.11

Table 31.B Summary of estimated costs per acre,
Eggplant, bare soil, trellis, one-row equipment,
60" skip rows, 2500 plants/acre, fresh market, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	180.30	1.0000	180.30
HERBICIDES	acre	35.81	1.0000	35.81
HIRED LABOR	acre	729.60	1.0000	729.60
INSECTICIDES	acre	117.71	1.0000	117.71
PACK & HARVEST ITEMS	acre	570.50	1.0000	570.50
STAKES & TWINE	acre	201.00	1.0000	201.00
PLANTS	acre	125.00	1.0000	125.00
HARVEST LABOR	acre	1248.00	1.0000	1248.00
OPERATOR LABOR	hour	15.30	28.4560	435.38
DIESEL FUEL	gal	2.10	9.2445	19.41
GASOLINE	gal	2.30	26.2413	60.35
REPAIR & MAINTENANCE	acre	39.38	1.0000	39.38
INTEREST ON OP. CAP.	acre	98.78	1.0000	98.78

TOTAL DIRECT EXPENSES				3861.22
TOTAL FIXED EXPENSES				90.89

TOTAL SPECIFIED EXPENSES				3952.11

Table 31C. Effects of yields and prices on net returns per acre above
total direct expenses, Eggplant, bare soil, trellis, one-row
equipment, 60" skip rows, fresh market, production parameters
specified by Extension Horticulture Specialist, Louisiana, 2007.

Yield (Bushels)	-----Price Per Bushel-----				
	7.00	8.00	9.00	10.00	11.00
	-----Net Returns Per Acre-----				
300.00	-1146.22	-846.22	-546.22	-246.22	53.78
375.00	-928.72	-553.72	-178.72	196.28	571.28
450.00	-711.22	-261.22	188.78	638.78	1088.78
525.00	-493.72	31.28	556.28	1081.28	1606.28
600.00	-276.22	323.78	923.78	1523.78	2123.78

Table 32.A Estimated resource use and costs per acre for field operations Eggplant, plastic mulch, drip irrigation, trellis, fresh market, one-row equipment, 60" skip rows, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						dollars				dollars			dollars		
Disk 2R	6 ft	43	0.570	1.00	Jan	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Lime (spread)	cwt											6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	2.00	Feb	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Hipper 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Mar	4.83	2.45	1.82	2.59	1.705	26.09				37.77
13-13-13	lb											700.0000	0.18	128.10	128.10
Conditioner, row 1R	6 ft	23	0.410	1.00	Mar	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Plastic layer	5 ft	23	1.500	1.00	Mar	4.67	2.37	2.16	4.51	4.650	71.15				84.85
Plastic roll												3.0000	85.00	255.00	255.00
T-tape, drip irrig.	roll											2.0000	111.00	222.00	222.00
Hose, lay flat	roll											1.0000	90.00	90.00	90.00
Other labor	hour											10.0000	9.60	96.00	96.00
Transplanter mod 900 1 row		23	3.000	1.00	Mar	9.34	4.74	3.17	8.26	9.300	108.09				133.60
Eggplant plants	100											25.0000	5.00	125.00	125.00
Planting labor	hour											2.0000	9.60	19.20	19.20
Trailer, water	10 ft	43	1.000	1.00	Mar	5.74	3.39	0.63	2.57	1.100	16.83				29.16
Trailer utility	10 ft	23	1.000	1.00	Mar	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Irrigation, drip	acin			1.00	Mar			9.98	60.00	0.200	1.92	1.0000			71.91
Water (from hydrant)	acin											1.0000	3.25	3.25	3.25
CAN03, water sol.	lb											50.0000	0.45	22.50	22.50
Trailer utility	10 ft	23	1.000	1.00	Apr	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Stake replacement	100											12.0000	10.50	126.00	126.00
Other labor	hour											15.0000	9.60	144.00	144.00
Irrigation, drip	acin			1.00	Apr			9.98		0.200	1.92	1.0000			11.91
Water (from hydrant)	acin											1.0000	3.25	3.25	3.25
CAN03, water sol.	lb											50.0000	0.45	22.50	22.50
Admire	pt											1.0000	94.00	94.00	94.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Malathion	pt											1.0000	2.63	2.63	2.63
Buffer	pt											1.0000	2.00	2.00	2.00
Trailer utility	10 ft	23	1.000	2.00	Apr	6.23	3.16	0.53	1.90	2.200	33.66				45.49
Twine	roll											3.0000	25.00	75.00	75.00
Other labor	hour											20.0000	9.60	192.00	192.00
Irrigation, drip	acin			1.00	Apr			9.98		0.200	1.92	1.0000			11.91
Water (from hydrant)	acin											1.0000	3.25	3.25	3.25
CAN03, water sol.	lb											50.0000	0.45	22.50	22.50
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Gramoxone	pt											2.5000	5.40	13.50	13.50
Surfactant	pt											0.5000	2.00	1.00	1.00
Sprayer, boom	12 ft	23	0.190	2.00	May	1.18	0.60	0.52	0.56	0.418	6.40				9.26
Ambush	pt											1.6000	14.00	22.40	22.40
Buffer	pt											2.0000	2.00	4.00	4.00
Irrigation, drip	acin			1.00	May			19.97		0.400	3.84	2.0000			23.81
Water (from hydrant)	acin											2.0000	3.25	6.50	6.50
CAN03, water sol.	lb											50.0000	0.45	22.50	22.50
Irrigation, drip	acin			1.00	May			9.98		0.200	1.92	1.0000			11.91
Water (from hydrant)	acin											1.0000	3.25	3.25	3.25
CAN03, water sol.	lb											50.0000	0.45	22.50	22.50
Sprayer, boom	12 ft	23	0.190	2.00	May	1.18	0.60	0.52	0.56	0.418	6.40				9.26
Provado	pt											0.4600	54.08	24.88	24.88
Trailer utility	10 ft	23	1.000	1.00	Jun	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Twine	roll											2.0000	25.00	50.00	50.00
Other labor	hour											10.0000	9.60	96.00	96.00
Irrigation, drip	acin			1.00	Jun			19.97		0.400	3.84	2.0000			23.81
Water (from hydrant)	acin											2.0000	3.25	6.50	6.50
CAN03, water sol.	lb											50.0000	0.45	22.50	22.50
Trailer utility	10 ft	23	1.000	1.00	Jun	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	hour											50.0000	9.60	480.00	480.00
Packing labor	hour											22.0000	9.60	211.20	211.20
Packing boxes	each											300.0000	1.25	375.00	375.00
Sprayer, boom	12 ft	23	0.190	2.00	Jun	1.18	0.60	0.52	0.56	0.418	6.40				9.26
Provado	pt											0.4600	54.08	24.88	24.88
Irrigation, drip	acin			1.00	Jun			9.98		0.200	1.92	1.0000			11.91
Water (from hydrant)	acin											1.0000	3.25	3.25	3.25
CAN03, water sol.	lb											50.0000	0.45	22.50	22.50
Sprayer, boom	12 ft	23	0.190	1.00	Jul	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Vendex	lb											3.0000	23.00	69.00	69.00
Irrigation, drip	acin			1.00	Jul			19.97		0.400	3.84	2.0000			23.81
Water (from hydrant)	acin											2.0000	3.25	6.50	6.50
Trailer utility	10 ft	23	1.000	1.00	Jul	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	hour											50.0000	9.60	480.00	480.00
Packing labor	hour											20.0000	9.60	192.00	192.00
Packing boxes	each											300.0000	1.25	375.00	375.00
Sprayer, boom	12 ft	23	0.190	1.00	Jul	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Other labor	hour			1.00	Aug							2.5000	9.60	24.00	24.00
Shredder 1R	5 ft	23	0.740	1.00	Aug	2.30	1.17	0.36	0.93	0.814	12.45				17.21
Trailer utility	10 ft	23	1.000	1.00	Aug	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Other labor	hour											8.0000	9.60	76.80	76.80
Coulter	1 row	23	1.500	1.00	Sep	4.67	2.37	0.64	0.94	1.650	25.25				33.86
Other labor	hour											15.0000	9.60	144.00	144.00
Pickup truck	1/2 ton		1.000	1.00	Sep			9.50	8.97	1.000	15.30				33.77
Disk 2R	6 ft	43	0.570	2.00	Sep	6.55	3.86	1.40	2.00	1.254	19.19				33.00
TOTALS						84.79	44.87	137.31	105.52	38.578	543.50			4441.03	5357.02
INTEREST ON OPERATING CAPITAL															173.90
TOTAL SPECIFIED COST															5530.92

Table 32.B Summary of estimated costs per acre,
Eggplant, plastic mulch, drip irrigation, trellis,
fresh market, one-row equipment, 60" skip rows, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	298.80	1.0000	298.80
HERBICIDES	acre	14.50	1.0000	14.50
HIRED LABOR	acre	792.00	1.0000	792.00
INSECTICIDES	acre	243.78	1.0000	243.78
PACK & HARVEST ITEMS	acre	750.00	1.0000	750.00
STAKES & TWINE	acre	251.00	1.0000	251.00
PLASTIC	acre	567.00	1.0000	567.00
PLANTS	acre	125.00	1.0000	125.00
CUSTOM	acre	35.75	1.0000	35.75
HARVEST LABOR	acre	1363.20	1.0000	1363.20
OPERATOR LABOR	hour	15.30	30.3780	464.78
HAND LABOR	hour	9.60	6.0000	57.60
IRRIGATION LABOR	hour	9.60	2.2000	21.12
DIESEL FUEL	gal	2.10	8.5085	17.87
ELECTRICITY	kWh	0.15	568.7000	85.31
GASOLINE	gal	2.30	25.2469	58.07
REPAIR & MAINTENANCE	acre	60.85	1.0000	60.85
INTEREST ON OP. CAP.	acre	173.90	1.0000	173.90
TOTAL DIRECT EXPENSES				5380.53
TOTAL FIXED EXPENSES				150.39
TOTAL SPECIFIED EXPENSES				5530.92

Table 32C. Effects of yields and prices on net returns per acre above
total direct expenses, Eggplant, plastic mulch, irrigation,
high yield, production parameters specified by
Extension Horticulture Specialist, Louisiana, 2007.

Yield (Bushels)	-----Price Per Bushel-----				
	7.00	8.00	9.00	10.00	11.00
	-----Net Returns Per Acre-----				
400.00	-1754.53	-1354.53	-954.53	-554.53	-154.53
500.00	-1467.53	-967.53	-467.53	32.47	532.47
600.00	-1180.53	-580.53	19.47	619.47	1219.47
700.00	-893.53	-193.53	506.47	1206.47	1906.47
800.00	-606.53	193.47	993.47	1793.47	2593.47

Table 33.A Estimated resource use and costs per acre for field operations Southern Peas, fresh market, one-row equipment, machine harvest, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Feb							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	2.00	Feb	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Disk 2R	6 ft	43	0.570	1.00	Mar	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Mar	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											300.0000	0.11	33.90	33.90
Hipper 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Conditioner, row 1R	6 ft	23	0.410	1.00	Mar	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Planter 1R	3 ft	23	1.500	1.00	Apr	4.67	2.37	0.35	0.56	1.650	25.25				33.20
Southern pea seed	lbs											45.0000	1.81	81.45	81.45
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Dual	pt											1.5000	13.55	20.33	20.33
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Thiodan	lb											1.0000	6.50	6.50	6.50
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Pursuit	oz											2.0000	11.54	23.08	23.08
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											1.2500	5.41	6.76	6.76
Cultivator 1R	3 ft	23	1.530	1.00	Jun	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Thiodan	lb											1.0000	6.50	6.50	6.50
Harvester, bean 1R	3 ft	68	1.000	1.00	Jul	9.07	5.28	8.03	12.49	1.100	16.83				51.69
Packing sacks	each											25.0000	0.75	18.75	18.75
Trailer utility	10 ft	23	1.000	1.00	Jul	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Sheller, bean/pea	acre			1.00	Jul			5.51	7.55	6.500	62.40	1.0000			75.46
Packing labor	hour											12.0000	9.60	115.20	115.20
plastic bag, sealing each												75.0000	0.10	7.50	7.50
Pickup truck	1/2 ton		1.000	3.00	Jul			28.50	26.90	3.000	45.90				101.30
Disk 2R	6 ft	43	0.570	1.00	Jul	3.27	1.93	0.70	1.00	0.627	9.59				16.50
TOTALS						53.30	28.81	52.22	61.62	24.108	331.80			333.17	860.92
INTEREST ON OPERATING CAPITAL															38.95
TOTAL SPECIFIED COST															899.87

Table 33.B Summary of estimated costs per acre,
Southern Peas, fresh market, one-row equipment,
machine harvest, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	47.10	1.0000	47.10
HERBICIDES	acre	43.41	1.0000	43.41
INSECTICIDES	acre	19.76	1.0000	19.76
PACK & HARVEST ITEMS	acre	26.25	1.0000	26.25
SEED	acre	81.45	1.0000	81.45
HARVEST LABOR	acre	115.20	1.0000	115.20
OPERATOR LABOR	hour	15.30	17.6080	269.40
HAND LABOR	hour	9.60	6.5000	62.40
DIESEL FUEL	gal	2.10	8.5388	17.93
ELECTRICITY	kWh	0.15	12.7500	1.91
GASOLINE	gal	2.30	18.8000	43.24
REPAIR & MAINTENANCE	acre	42.44	1.0000	42.44
INTEREST ON OP. CAP.	acre	38.95	1.0000	38.95
TOTAL DIRECT EXPENSES				809.45
TOTAL FIXED EXPENSES				90.43
TOTAL SPECIFIED EXPENSES				899.87

Table 33C. Effects of yields and prices on net returns per acre above
total direct expenses, Peas (Southern), fresh market, one-row
equipment, machine harvest, production parameters specified
by Extension Horticulture Specialist, Louisiana, 2007.

Yield (Bushels)	-----Price Per Bushel-----				
	16.00	18.00	20.00	22.00	24.00
	-----Net Returns Per Acre-----				
35.00	-225.05	-155.05	-85.05	-15.05	54.95
55.00	82.75	192.75	302.75	412.75	522.75
75.00	390.55	540.55	690.55	840.55	990.55
95.00	698.35	888.35	1078.35	1268.35	1458.35
115.00	1006.15	1236.15	1466.15	1696.15	1926.15

Table 34.A Estimated resource use and costs per acre for field operations Pepper (Bell), double row, drip irrigated, wholesale four-row equipment, plastic mulch, high yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				-----dollars-----					
Lime (spread)	cwt			1.00	Sep							6.6000	2.00	13.20	13.20
Disk 4R	13.3 ft	68	0.150	1.00	Sep	1.36	0.79	0.56	0.80	0.165	2.52				6.04
Disk 4R	13.3 ft	68	0.150	1.00	Oct	1.36	0.79	0.56	0.80	0.165	2.52				6.04
Fertilizer buggy	30 ft	93	0.060	1.00	Oct	0.23	0.66		0.33	0.066	1.01				2.23
13-13-13	lb											900.0000	0.18	164.70	164.70
Hipper 4R	13.3 ft	68	0.160	2.00	Oct	2.90	1.69	0.63	0.90	0.352	5.39				11.51
Conditioner, row 1R	6 ft	23	0.410	1.00	Oct	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Plastic & fumigation	5 ft	23	1.500	1.00	Oct	4.67	2.37	2.39	4.98	4.650	71.15				85.55
Plastic	roll											5.0000	85.00	425.00	425.00
Methyl bromide	lbs											200.0000	3.00	600.00	600.00
Other labor	hour											13.0000	9.60	124.80	124.80
T-tape, drip irrig.	roll											3.0000	111.00	333.00	333.00
Hose, lay flat	roll											1.0000	90.00	90.00	90.00
Sprayer, boom	12 ft	23	0.190	1.00	Mar	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Gramoxone	pt											2.0000	5.40	10.80	10.80
Surfactant	pt											1.0000	2.00	2.00	2.00
Hole puncher 4R	4 row	68	0.330	1.00	Mar			0.79	1.65						2.44
Trailer utility	10 ft	23	1.000	1.00	Mar	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Pepper plants	100											160.0000	8.10	1296.00	1296.00
Contract planting, 2	1000											16.0000	12.50	200.00	200.00
Irrigate/fert, drip acin				2.00	Mar			23.20	60.00			2.0000			83.20
Water (from hydrant)	acin											2.0000	3.25	6.50	6.50
CAN03, water sol.	lb											50.0000	0.45	22.50	22.50
Other labor	hour			1.00	Mar							5.0000	9.60	48.00	48.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Orthene	lbs											0.6700	11.90	7.97	7.97
Kocide	lb											2.0000	3.00	6.00	6.00
Manzate	lb											1.0000	3.20	3.20	3.20
Irrigate/fert, drip acin				2.00	Apr			23.20				2.0000			23.20
Water (from hydrant)	acin											2.0000	3.25	6.50	6.50
CAN03, water sol.	lb											50.0000	0.45	22.50	22.50
Trailer utility	10 ft	23	1.000	1.00	Apr	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Stake replacement	100											12.0000	10.50	126.00	126.00
Other labor	hour											15.0000	9.60	144.00	144.00
Irrigation, drip	acin			1.00	Apr			9.98	60.00	0.200	1.92	1.0000			71.91
Admire	pt											1.0000	94.00	94.00	94.00
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Manzate	lb											1.0000	3.20	3.20	3.20
Kocide	lb											2.0000	3.00	6.00	6.00
Irrigate/fert, drip acin				2.00	Apr			23.20				2.0000			23.20
Water (from hydrant)	acin											2.0000	3.25	6.50	6.50
CAN03, water sol.	lb											50.0000	0.45	22.50	22.50
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Manzate	lb											1.0000	3.20	3.20	3.20
Kocide	lb											2.0000	3.00	6.00	6.00
Cultivate & Herb 2R	6 ft	43	0.690	1.00	May	3.96	2.34	1.21	1.73	0.759	11.61				20.86
Gramoxone	pt											1.5000	5.40	8.10	8.10
Surfactant	pt											0.3000	2.00	0.60	0.60
Irrigate/fert, drip acin				2.00	May			23.20				2.0000			23.20
Water (from hydrant)	acin											2.0000	3.25	6.50	6.50
CAN03, water sol.	lb											50.0000	0.45	22.50	22.50
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Manzate	lb											1.0000	3.20	3.20	3.20
Kocide	lb											2.0000	3.00	6.00	6.00
Cultivate & Herb 2R	6 ft	43	0.690	1.00	May	3.96	2.34	1.21	1.73	0.759	11.61				20.86
Gramoxone	pt											1.5000	5.40	8.10	8.10
Surfactant	pt											0.3000	2.00	0.60	0.60
Irrigate/fert, drip acin				2.00	May			23.20				2.0000			23.20
Water (from hydrant)	acin											2.0000	3.25	6.50	6.50
CAN03, water sol.	lb											50.0000	0.45	22.50	22.50
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ridomil Gold	pt											1.0000	88.00	88.00	88.00
Trailer utility	10 ft	23	1.000	1.00	May	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Twine	roll											1.0000	25.00	25.00	25.00
Other labor	hour											8.0000	9.60	76.80	76.80
Stake replacement	100			1.00	May							1.0000	10.50	10.50	10.50
Other labor	hour											8.0000	9.60	76.80	76.80
Irrigate/fert, drip acin				2.00	May			23.20				2.0000			23.20
Water (from hydrant)	acin											2.0000	3.25	6.50	6.50
CAN03, water sol.	lb											50.0000	0.45	22.50	22.50
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Lannate	pt											1.0000	7.09	7.09	7.09
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ambush	pt											0.5000	14.00	7.00	7.00
Other labor	hour			1.00	Jun							5.0000	9.60	48.00	48.00
Cultivator 4R	13.3 ft	68	0.140	1.00	Jun	1.27	0.74	0.28	0.39	0.154	2.36				5.04
Irrigation, furrow	acin			1.00	Jun			22.80	55.50	6.000	57.60	6.0000			135.90
Trailer utility	10 ft	23	1.000	1.00	Jun	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	bu											1600.0000	0.75	1200.00	1200.00
Harvest container	each											30.0000	1.00	30.00	30.00
Other labor	hour											25.0000	9.60	240.00	240.00
Vegetable bin	each											8.0000	50.00	400.00	400.00
Pack line/wet/large	acre			1.00	Jun			3.25	15.65			1.0000			18.90
Packing labor	hour											80.0000	9.60	768.00	768.00
Packing boxes	each											1600.0000	1.25	2000.00	2000.00
Fork lift				1.00	Jun			4.88	4.58	1.000	15.30				24.76
Pickup truck	1/2 ton			6.20	Jun			58.90	55.59	6.200	94.86				209.35
Shredder 2R	6.7 ft	43	0.390	1.00	Jul	2.24	1.32	0.31	0.81	0.429	6.56				11.25
Coulter	4 row	68	0.140	1.00	Jul	1.27	0.74	0.30	0.44	0.154	2.36				5.10
Other labor	hour											12.0000	9.60	115.20	115.20
Pickup truck	1/2 ton			1.00	Jul			9.50	8.97	1.000	15.30				33.77
Other labor	hour											1.0000	9.60	9.60	9.60
Disk 4R	13.3 ft	68	0.150	1.00	Jul	1.36	0.79	0.56	0.80	0.165	2.52				6.04
Cover crop	acre											1.0000	60.00	60.00	60.00</

Table 34.B Summary of estimated costs per acre Pepper (Bell), double row, drip irrigated, wholesale four-row equipment, plastic mulch, high yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	290.40	1.0000	290.40
FUNGICIDES	acre	115.60	1.0000	115.60
HERBICIDES	acre	21.50	1.0000	21.50
HIRED LABOR	acre	1083.20	1.0000	1083.20
INSECTICIDES	acre	116.06	1.0000	116.06
PACK & HARVEST ITEMS	acre	2430.00	1.0000	2430.00
SEED	acre	60.00	1.0000	60.00
STAKES & TWINE	acre	161.50	1.0000	161.50
PLASTIC	acre	848.00	1.0000	848.00
FUMIGANT	acre	600.00	1.0000	600.00
PLANTS	acre	1296.00	1.0000	1296.00
CUSTOM	acre	32.50	1.0000	32.50
HARVEST LABOR	acre	1968.00	1.0000	1968.00
OPERATOR LABOR	hour	15.30	21.5730	330.07
IRRIGATION LABOR	hour	9.60	6.2000	59.52
DIESEL FUEL	gal	2.10	6.0618	12.73
ELECTRICITY	kWh	0.15	164.7000	24.71
GASOLINE	gal	2.30	27.6812	63.67
REPAIR & MAINTENANCE	acre	173.47	1.0000	173.47
INTEREST ON OP. CAP.	acre	286.55	1.0000	286.55

TOTAL DIRECT EXPENSES				9973.48
TOTAL FIXED EXPENSES				301.38

TOTAL SPECIFIED EXPENSES				10274.86

Table 34.C Effects of yields and prices on net returns per acre above total direct expenses, Peppers (Bell), drip irrigated, fresh market, four-row equipment, high yield, production parameters specified by Extension Horticulture Specialist, Louisiana, 2007.

Yield (Bushels)	-----Price Per Bushel-----				
	4.00	5.50	7.00	8.50	10.00
	-----Net Returns Per Acre-----				
1200.00	-4373.48	-2573.48	-773.48	1026.52	2826.52
1400.00	-3973.48	-1873.48	226.52	2326.52	4426.52
1600.00	-3573.48	-1173.48	1226.52	3626.52	6026.52
1800.00	-3173.48	-473.48	2226.52	4926.52	7626.52
2000.00	-2773.48	226.52	3226.52	6226.52	9226.52

Table 35.A Estimated resource use and costs per acre for field operations Pumpkins, irrigated, fresh market, one-row equipment, average yield, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Jun							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	1.00	Jun	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	1.00	Jul	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk & herb appl 2R	6 ft	23	0.590	1.00	Jul	1.84	0.93	0.83	1.18	0.649	9.93				14.71
Command	qt											1.0000	24.12	24.12	24.12
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Jul	4.83	2.45	1.82	2.59	1.705	26.09				37.77
8-24-24	lb											500.0000	0.11	56.50	56.50
Hipper 1R	3 ft	23	1.530	1.00	Jul	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Conditioner, row 1R	6 ft	23	0.410	1.00	Jul	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Planter 1R	3 ft	23	1.500	1.00	Jul	4.67	2.37	0.35	0.56	1.650	25.25				33.20
Pumpkin seed	lbs											2.5000	32.25	80.63	80.63
Irrigation, furrow	acin			1.00	Jul			7.60	55.50	2.000	19.20	2.0000			82.30
Ditcher	1.5 ft	23	0.050	0.50	Jul	0.08	0.04	0.06	0.08	0.028	0.42				0.67
Cultivator 1R	3 ft	23	1.530	1.00	Aug	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	Aug	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Thiodan	lb											0.5000	6.50	3.25	3.25
Cultivate & fert 1R	3 ft	23	1.610	1.00	Aug	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33%	lb											100.0000	0.13	13.00	13.00
Irrigation, furrow	acin			1.00	Aug			7.60	2.000	2.000	19.20	2.0000			26.80
Cultivator 1R	3 ft	23	1.530	1.00	Aug	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Ditcher	1.5 ft	23	0.050	1.00	Aug	0.16	0.08	0.11	0.16	0.055	0.84				1.34
Sprayer, boom	12 ft	23	0.190	1.00	Sep	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											0.6000	5.41	3.25	3.25
Sprayer, boom	12 ft	23	0.190	1.00	Sep	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Ridomil + Bravo	lb											2.0000	17.75	35.50	35.50
Sprayer, boom	12 ft	23	0.190	1.00	Sep	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Poast	pt											1.0000	8.64	8.64	8.64
Crop oil	pt											2.0000	1.00	2.00	2.00
Cultivator 1R	3 ft	23	1.530	1.00	Sep	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Irrigation, furrow	acin			1.00	Sep			7.60	2.000	2.000	19.20	2.0000			26.80
Sprayer, boom	12 ft	23	0.190	1.00	Sep	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											0.6000	5.41	3.25	3.25
Ridomil + Bravo	lb											2.0000	17.75	35.50	35.50
Irrigation, furrow	acin			1.00	Oct			7.60	2.000	2.000	19.20	2.0000			26.80
Sprayer, boom	12 ft	23	0.190	1.00	Oct	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											0.6000	5.41	3.25	3.25
Sprayer, boom	12 ft	23	0.190	1.00	Oct	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Topsin M	lb											0.5000	16.60	8.30	8.30
Ridomil + Bravo	lb											2.0000	17.75	35.50	35.50
Harvest labor	hour			1.00	Oct							30.0000	9.60	288.00	288.00
Trailer utility	10 ft	23	1.000	2.00	Oct	6.23	3.16	0.53	1.90	2.200	33.66				45.49
Pickup truck	1/2 ton		1.000	10.00	Oct			95.00	89.67	10.000	153.00				337.67
Shredder 2R	6.7 ft	43	0.390	1.00	Oct	2.24	1.32	0.31	0.81	0.429	6.56				11.25
Disk 2R	6 ft	43	0.570	1.00	Oct	3.27	1.93	0.70	1.00	0.627	9.59				16.50
TOTALS						59.34	31.12	140.10	167.02	37.014	520.71			613.87	1532.16
INTEREST ON OPERATING CAPITAL															20.17
TOTAL SPECIFIED COST															1552.33

Table 35.B Summary of estimated costs per acre
Pumpkins, irrigated, fresh market, one-row
equipment, average yield, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	82.70	1.0000	82.70
FUNGICIDES	acre	114.80	1.0000	114.80
HERBICIDES	acre	34.76	1.0000	34.76
INSECTICIDES	acre	12.99	1.0000	12.99
SEED	acre	80.63	1.0000	80.63
HARVEST LABOR	acre	288.00	1.0000	288.00
OPERATOR LABOR	hour	15.30	29.0135	443.91
IRRIGATION LABOR	hour	9.60	8.0000	76.80
DIESEL FUEL	gal	2.10	4.6410	9.75
ELECTRICITY	kWh	0.15	48.0000	7.20
GASOLINE	gal	2.30	42.1591	96.97
REPAIR & MAINTENANCE	acre	85.53	1.0000	85.53
INTEREST ON OP. CAP.	acre	20.17	1.0000	20.17

TOTAL DIRECT EXPENSES				1354.19
TOTAL FIXED EXPENSES				198.14

TOTAL SPECIFIED EXPENSES				1552.33

Table 35C. Effects of yields and prices on net returns per acre above
total direct expenses, Pumpkins, irrigated, fresh, one-row
equipment, production parameters specified by Extension
Horticulture Specialist, Louisiana, 2007.

Yield (Cwt)	-----Price Per Cwt-----				
	5.00	6.00	7.00	8.00	9.00
	-----Net Returns Per Acre-----				
110.00	-717.79	-607.79	-497.79	-387.79	-277.79
140.00	-610.99	-470.99	-330.99	-190.99	-50.99
170.00	-504.19	-334.19	-164.19	5.81	175.81
200.00	-397.39	-197.39	2.61	202.61	402.61
230.00	-290.59	-60.59	169.41	399.41	629.41

Table 36.A Estimated resource use and costs per acre for field operations Tomatoes, fresh market, bare soil, trellis, one-row equipment, 60" skip rows, 2500 plants/acre, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Jan							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	1.00	Jan	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	2.00	Feb	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Hipper 1R	3 ft	23	1.530	1.00	Feb	4.76	2.42	0.67	0.96	1.683	25.75				34.56
Hipper-fert dist 1R	3 ft	23	1.550	1.00	Mar	4.83	2.45	1.82	2.59	1.705	26.09				37.77
13-13-13	lb											700.0000	0.18	128.10	128.10
Sprayer, boom	12 ft	23	0.190	1.00	Mar	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sencor	pt											1.0000	2.25	2.25	2.25
Treflan	pt											1.0000	2.87	2.87	2.87
Conditioner, row 1R	6 ft	23	0.410	1.00	Mar	1.28	0.65	0.27	0.38	0.451	6.90				9.48
Hole Puncher 1R	3 ft	23	0.750	1.00	Mar	2.34	1.19	0.63	1.03	0.825	12.62				17.80
Trailer utility	10 ft	23	1.000	1.00	Mar	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Tomato plants	100											25.0000	7.60	190.00	190.00
Planting labor	hour											30.0000	9.60	288.00	288.00
Trailer, water	10 ft	43	1.000	1.00	Mar	5.74	3.39	0.63	2.57	1.100	16.83				29.16
Sprayer, boom	12 ft	23	0.190	1.00	Mar	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sencor	pt											1.0000	2.25	2.25	2.25
Trailer utility	10 ft	23	1.000	1.00	Mar	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Stake replacement	100											12.0000	10.50	126.00	126.00
Other labor	hour											15.0000	9.60	144.00	144.00
Sprayer, boom	12 ft	23	0.190	1.00	Mar	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Bravo	pt											2.0000	6.35	12.70	12.70
Buffer	pt											1.0000	2.00	2.00	2.00
Trailer utility	10 ft	23	1.000	1.00	Apr	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Twine	roll											2.0000	25.00	50.00	50.00
Other labor	hour											10.0000	9.60	96.00	96.00
Sprayer, boom	12 ft	23	0.190	2.00	Apr	1.18	0.60	0.52	0.56	0.418	6.40				9.26
Manzate	lb											4.0000	3.20	12.80	12.80
Kocide	lb											4.0000	3.00	12.00	12.00
Lannate	pt											6.0000	7.09	42.54	42.54
Buffer	pt											2.0000	2.00	4.00	4.00
Cultivate & fert 1R	3 ft	23	1.610	1.00	Apr	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33%	lb											150.0000	0.13	19.50	19.50
Trailer utility	10 ft	23	1.000	1.00	Apr	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Twine	roll											2.0000	25.00	50.00	50.00
Other labor	hour											10.0000	9.60	96.00	96.00
Sprayer, boom	12 ft	23	0.190	2.00	Apr	1.18	0.60	0.52	0.56	0.418	6.40				9.26
Bravo	pt											4.0000	6.35	25.40	25.40
Buffer	pt											2.0000	2.00	4.00	4.00
Ambush	pt											1.0000	14.00	14.00	14.00
Trailer utility	10 ft	23	1.000	1.00	May	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Twine	roll											1.0000	25.00	25.00	25.00
Other labor	hour											10.0000	9.60	96.00	96.00
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Manzate	lb											2.0000	3.20	6.40	6.40
Kocide	lb											2.0000	3.00	6.00	6.00
Lannate	pt											3.0000	7.09	21.27	21.27
Buffer	pt											1.0000	2.00	2.00	2.00
Cultivate & fert 1R	3 ft	23	1.610	1.00	May	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Ammonium Nitrate 33%	lb											150.0000	0.13	19.50	19.50
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Quadris	pt											0.2500	30.56	7.64	7.64
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Bravo	pt											2.0000	6.35	12.70	12.70
Sevin	lbs											1.2500	5.41	6.76	6.76
Buffer	pt											1.2500	2.00	2.50	2.50
Sprayer, boom	12 ft	23	0.190	2.00	May	1.18	0.60	0.52	0.56	0.418	6.40				9.26
Ridomil + Bravo	lb											4.0000	17.75	71.00	71.00
Sevin	lbs											2.5000	5.41	13.53	13.53
Buffer	pt											2.5000	2.00	5.00	5.00
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	2.00	Jun	1.18	0.60	0.52	0.56	0.418	6.40				9.26
Quadris	pt											0.5000	30.56	15.28	15.28
Trailer utility	10 ft	23	1.000	2.00	Jun	6.23	3.16	0.53	1.90	2.200	33.66				45.49
Harvest labor	hour			1.00	Jun							40.0000	9.60	384.00	384.00
Harvest container	each			1.00	Jun							4.0000	1.00	4.00	4.00
Other labor	hour			1.00	Jun							2.5000	9.60	24.00	24.00
Pack line/wet/small	acre			1.00	Jun				2.79	12.52		1.0000			15.31
Packing labor	hour											40.0000	9.60	384.00	384.00
Lug boxes	each											700.0000	1.11	777.00	777.00
Pickup truck	1/2 ton		1.000	1.00	Jun			9.50	8.97	1.000	15.30				33.77
Trailer utility	10 ft	23	1.000	1.00	Jul	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Other labor	hour											8.0000	9.60	76.80	76.80
Shredder 1R	5 ft	23	0.740	1.00	Jul	2.30	1.17	0.36	0.93	0.814	12.45				17.21
Disk 2R	6 ft	43	0.570	2.00	Jul	6.55	3.86	1.40	2.00	1.254	19.19				33.00
TOTALS						85.60	45.28	30.85	53.44	27.664	423.26			3297.99	3936.42
INTEREST ON OPERATING CAPITAL															88.05
TOTAL SPECIFIED COST															4024.46

Table 36.B Summary of estimated costs per acre
 Tomatoes, fresh market, bare soil, trellis, one-row
 equipment, 60" skip rows, 2500 plants/acre, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	180.30	1.0000	180.30
FUNGICIDES	acre	181.92	1.0000	181.92
HERBICIDES	acre	7.37	1.0000	7.37
HIRED LABOR	acre	820.80	1.0000	820.80
INSECTICIDES	acre	117.60	1.0000	117.60
PACK & HARVEST ITEMS	acre	781.00	1.0000	781.00
STAKES & TWINE	acre	251.00	1.0000	251.00
PLANTS	acre	190.00	1.0000	190.00
HARVEST LABOR	acre	768.00	1.0000	768.00
OPERATOR LABOR	hour	15.30	27.6640	423.26
DIESEL FUEL	gal	2.10	8.5085	17.87
ELECTRICITY	kWh	0.15	5.2500	0.79
GASOLINE	gal	2.30	25.5407	58.74
REPAIR & MAINTENANCE	acre	39.05	1.0000	39.05
INTEREST ON OP. CAP.	acre	88.05	1.0000	88.05
TOTAL DIRECT EXPENSES				3925.75
TOTAL FIXED EXPENSES				98.72
TOTAL SPECIFIED EXPENSES				4024.46

Table 36C. Effects of yields and prices on net returns per acre above
 total direct expenses, Tomatoes, fresh market, one-row
 equipment, bare soil, trellis, 60" skip row, production
 parameters specified by Extension Horticulture Specialist,
 Louisiana, 2007.

Yield (Boxes)	-----Price Per 20 Lb. Box-----				
	7.00	8.00	9.00	10.00	11.00
	-----Net Returns Per Acre-----				
400.00	-586.95	-186.95	213.05	613.05	1013.05
550.00	193.65	743.65	1293.65	1843.65	2393.65
700.00	974.25	1674.25	2374.25	3074.25	3774.25
850.00	1754.85	2604.85	3454.85	4304.85	5154.85
1000.00	2535.45	3535.45	4535.45	5535.45	6535.45

Table 37.A Estimated resource use and costs per acre for field operations Greenhouse Tomatoes, fall fresh market, 660 plants in grow bags, drip irrigated and fertilized, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Greenhouse	each			1.00	Aug			66.85	1337.00			1.0000			1403.85
Greenhouse prep.	hour											2.0000	9.60	19.20	19.20
Grow bags	each											165.0000	1.70	280.50	280.50
Tomato plant	each			1.00	Aug							660.0000	0.40	264.00	264.00
Planting labor	hour											5.0000	9.60	48.00	48.00
Fan, greenhouse	hour			15.00	Aug			41.04	191.50			180.0000			232.54
Clip, tie and prune	hour			1.00	Aug							5.0000	9.60	48.00	48.00
Plant clips	box											0.3400	102.50	34.85	34.85
Twine, plastic	box											1.0000	15.00	15.00	15.00
Tomato hooks	1000											0.6700	186.00	124.62	124.62
Sprayer, backpack	each			2.00	Aug				25.00	2.000	30.60	2.0000			55.60
Exotherm	lb											6.0000	4.00	24.00	24.00
Ambush	pt											0.1000	14.00	1.40	1.40
Kelthane	qt											0.0500	11.46	0.57	0.57
Thiodan	lb											0.0250	6.50	0.16	0.16
Pollinator	hour			15.00	Sep			4.50	20.00	15.000	229.50	15.0000			254.00
Sprayer, backpack	each			4.00	Sep					4.000	61.20	4.0000			61.20
Exotherm	lb											12.0000	4.00	48.00	48.00
Ambush	pt											0.2000	14.00	2.80	2.80
Kelthane	qt											0.1000	11.46	1.15	1.15
Thiodan	lb											0.0500	6.50	0.33	0.33
Fan, greenhouse	hour			30.00	Sep			82.08				360.0000			82.08
Clip, tie and prune	hour			4.00	Sep							20.0000	9.60	192.00	192.00
Plant clips	box											0.3320	102.50	34.03	34.03
Bee pollination	hive			1.00	Oct							1.0000	250.00	250.00	250.00
Leaf pruning	hour			1.00	Oct							5.0000	9.60	48.00	48.00
Cluster prune	hour			2.00	Oct							7.0000	9.60	67.20	67.20
Sprayer, backpack	each			4.00	Oct					4.000	61.20	4.0000			61.20
Exotherm	lb											12.0000	4.00	48.00	48.00
Ambush	pt											0.2000	14.00	2.80	2.80
Kelthane	qt											0.1000	11.46	1.15	1.15
Thiodan	lb											0.0500	6.50	0.33	0.33
Fan, greenhouse	hour			30.00	Oct			54.72				240.0000			54.72
Clip, tie and prune	hour			4.00	Oct							20.0000	9.60	192.00	192.00
Harvest labor	hour			2.00	Oct							10.0000	9.60	96.00	96.00
Boxes, lug	each											1320.0000	1.25	1650.00	1650.00
Monitor	hour			150.00	Oct							150.0000	9.60	1440.00	1440.00
Irrigate/fert, drip	each			1.00	Oct			11.60	289.00			1.0000			300.60
3-13-29	lb											300.0000	1.10	330.00	330.00
CAN03, water sol.	lb											300.0000	0.45	135.00	135.00
Leaf pruning	hour			1.00	Nov							5.0000	9.60	48.00	48.00
Cluster prune	hour			2.00	Nov							7.0000	9.60	67.20	67.20
Sprayer, backpack	each			4.00	Nov					4.000	61.20	4.0000			61.20
Exotherm	lb											12.0000	4.00	48.00	48.00
Ambush	pt											0.2000	14.00	2.80	2.80
Kelthane	qt											0.1000	11.46	1.15	1.15
Thiodan	lb											0.0500	6.50	0.33	0.33
Fan, greenhouse	hour			30.00	Nov			54.72				240.0000			54.72
Clip, tie and prune	hour			4.00	Nov							20.0000	9.60	192.00	192.00
Plant clips	box											0.3280	102.50	33.62	33.62
Harvest labor	hour			8.00	Nov							34.0000	9.60	326.40	326.40
Pollinator	hour			15.00	Dec			4.50		15.000	229.50	15.0000			234.00
Leaf pruning	hour			1.00	Dec							5.0000	9.60	48.00	48.00
Cluster prune	hour			2.00	Dec							7.0000	9.60	67.20	67.20
Sprayer, backpack	each			4.00	Dec					4.000	61.20	4.0000			61.20
Exotherm	lb											12.0000	4.00	48.00	48.00
Ambush	pt											0.2000	14.00	2.80	2.80
Kelthane	qt											0.1000	11.46	1.15	1.15
Thiodan	lb											0.0500	6.50	0.33	0.33
Fan, greenhouse	hour			30.00	Dec			34.20				150.0000			34.20
Clip, tie and prune	hour			4.00	Dec							20.0000	9.60	192.00	192.00
Harvest labor	hour			8.00	Dec							34.0000	9.60	326.40	326.40
Heater, greenhouse	hour			30.00	Dec			325.50	126.00			150.0000			451.50
Sprayer, backpack	each			2.00	Jan					2.000	30.60	2.0000			30.60
Exotherm	lb											6.0000	4.00	24.00	24.00
Ambush	pt											0.1000	14.00	1.40	1.40
Kelthane	qt											0.0500	11.46	0.57	0.57
Thiodan	lb											0.0250	6.50	0.16	0.16
Fan, greenhouse	hour			15.00	Jan			34.20				150.0000			34.20
Harvest labor	hour			2.00	Jan							10.0000	9.60	96.00	96.00
Heater, greenhouse	hour			15.00	Jan			325.50				150.0000			325.50
Greenhouse prep.	hour			1.00	Jan							9.0000	9.60	86.40	86.40
TOTALS								0.00	0.00	1039.41	1988.50	50.000	765.00		7012.9710805.89
INTEREST ON OPERATING CAPITAL															230.98
TOTAL SPECIFIED COST															11036.87

Table 37.B Summary of estimated costs per acre
 Greenhouse Tomatoes, fall fresh market, 660 plants in
 grow bags, drip irrigated and fertilized, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	465.00	1.0000	465.00
FUNGICIDES	acre	240.00	1.0000	240.00
HIRED LABOR	acre	2755.20	1.0000	2755.20
INSECTICIDES	acre	21.36	1.0000	21.36
PACK & HARVEST ITEMS	acre	1650.00	1.0000	1650.00
STAKES & TWINE	acre	242.12	1.0000	242.12
PLANTS	acre	544.50	1.0000	544.50
CUSTOM	acre	250.00	1.0000	250.00
HARVEST LABOR	acre	844.80	1.0000	844.80
OPERATOR LABOR	hour	15.30	50.0000	765.00
DIESEL FUEL	gal	2.10	300.0000	630.00
ELECTRICITY	kWh	0.15	1855.2000	278.28
REPAIR & MAINTENANCE	acre	131.13	1.0000	131.13
INTEREST ON OP. CAP.	acre	230.98	1.0000	230.98

TOTAL DIRECT EXPENSES				9048.37
TOTAL FIXED EXPENSES				1988.50

TOTAL SPECIFIED EXPENSES				11036.87

COST AND RETURN CALCULATION IS COMBINED WITH FALL CROP, AND PRESENTED IN TABLE 38 C.

Table 38.A Estimated resource use and costs per acre for field operations Greenhouse Tomatoes, spring fresh market, 660 plants in grow bags, drip irrigated and fertilized, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Greenhouse prep.	hour			1.00	Jan							10.0000	9.60	96.00	96.00	
Tomato plant	each			1.00	Jan							660.0000	0.40	264.00	264.00	
Planting labor	hour											5.0000	9.60	48.00	48.00	
Heater, greenhouse	hour			15.00	Jan			325.50	126.00			150.0000			451.50	
Sprayer, backpack	each			2.00	Jan				25.00	2.0000	30.60	2.0000			55.60	
Exotherm	lb											6.0000	4.00	24.00	24.00	
Ambush	pt											0.1000	14.00	1.40	1.40	
Kelthane	qt											0.0500	11.46	0.57	0.57	
Thiodan	lb											0.0250	6.50	0.16	0.16	
Fan, greenhouse	hour			15.00	Jan			13.68	191.50			60.0000			205.18	
Clip, tie and prune	hour			1.00	Jan							5.0000	9.60	48.00	48.00	
Plant clips	box											0.3300	102.50	33.83	33.83	
Twine, plastic	box											1.0000	15.00	15.00	15.00	
Clip, tie and prune	hour			4.00	Feb							20.0000	9.60	192.00	192.00	
Pollinator	hour			14.00	Feb			4.20	20.00	14.0000	214.20	14.0000			238.40	
Sprayer, backpack	each			4.00	Feb					4.0000	61.20	4.0000			61.20	
Exotherm	lb											12.0000	4.00	48.00	48.00	
Ambush	pt											0.2000	14.00	2.80	2.80	
Kelthane	qt											0.1000	11.46	1.15	1.15	
Thiodan	lb											0.0500	6.50	0.33	0.33	
Fan, greenhouse	hour			30.00	Feb			68.40				300.0000			68.40	
Heater, greenhouse	hour			30.00	Feb			651.00				300.0000			651.00	
Sprayer, backpack	each			4.00	Mar					4.0000	61.20	4.0000			61.20	
Exotherm	lb											12.0000	4.00	48.00	48.00	
Ambush	pt											0.2000	14.00	2.80	2.80	
Kelthane	qt											0.1000	11.46	1.15	1.15	
Thiodan	lb											0.0500	6.50	0.33	0.33	
Bee pollination	hive			1.00	Mar							1.0000	250.00	250.00	250.00	
Leaf pruning	hour			1.00	Mar							5.0000	9.60	48.00	48.00	
Cluster prune	hour			2.00	Mar							7.0000	9.60	67.20	67.20	
Fan, greenhouse	hour			30.00	Mar			54.72				240.0000			54.72	
Heater, greenhouse	hour			30.00	Mar			434.22				200.1000			434.22	
Clip, tie and prune	hour			6.00	Mar							21.0000	9.60	201.60	201.60	
Plant clips	box											0.3300	102.50	33.83	33.83	
Harvest labor	hour			2.00	Mar							10.6000	9.60	101.76	101.76	
Irrigate/fert, drip	each			1.00	Apr			11.60	289.00			1.0000			300.60	
3-13-29	lb											500.0000	1.10	550.00	550.00	
CAN03, water sol.	lb											500.0000	0.45	225.00	225.00	
Monitor	hour			165.00	Apr							165.0000	9.60	1584.00	1584.00	
Sprayer, backpack	each			4.00	Apr					4.0000	61.20	4.0000			61.20	
Exotherm	lb											12.0000	4.00	48.00	48.00	
Ambush	pt											0.2000	14.00	2.80	2.80	
Kelthane	qt											0.1000	11.46	1.15	1.15	
Thiodan	lb											0.0500	6.50	0.33	0.33	
Clip, tie and prune	hour			4.00	Apr							20.0000	9.60	192.00	192.00	
Leaf pruning	hour			1.00	Apr							5.0000	9.60	48.00	48.00	
Cluster prune	hour			2.00	Apr							7.0000	9.60	67.20	67.20	
Harvest labor	hour			8.00	Apr							44.8000	9.60	430.08	430.08	
Fan, greenhouse	hour			30.00	Apr			54.72				240.0000			54.72	
Heater, greenhouse	hour			30.00	Apr			110.67				51.0000			110.67	
Sprayer, backpack	each			4.00	May					4.0000	61.20	4.0000			61.20	
Exotherm	lb											12.0000	4.00	48.00	48.00	
Ambush	pt											0.2000	14.00	2.80	2.80	
Kelthane	qt											0.1000	11.46	1.15	1.15	
Thiodan	lb											0.0500	6.50	0.33	0.33	
Pollinator	hour			15.00	May			4.50		15.0000	229.50	15.0000			234.00	
Leaf pruning	hour			1.00	May							5.0000	9.60	48.00	48.00	
Cluster prune	hour			1.00	May							7.0000	9.60	67.20	67.20	
Harvest labor	hour			8.00	May							44.8000	9.60	430.08	430.08	
Fan, greenhouse	hour			30.00	May			54.72				240.0000			54.72	
Clip, tie and prune	hour			4.00	May							20.0000	9.60	192.00	192.00	
Plant clips	box											0.3300	102.50	33.83	33.83	
Clip, tie and prune	hour			4.00	Jun							20.0000	9.60	192.00	192.00	
Sprayer, backpack	each			4.00	Jun					4.0000	61.20	4.0000			61.20	
Exotherm	lb											12.0000	4.00	48.00	48.00	
Ambush	pt											0.2000	14.00	2.80	2.80	
Kelthane	qt											0.1000	11.46	1.15	1.15	
Thiodan	lb											0.0500	6.50	0.33	0.33	
Harvest labor	hour			6.00	Jun							31.2000	9.60	299.52	299.52	
Fan, greenhouse	hour			30.00	Jun			54.72				240.0000			54.72	
TOTALS							0.00	0.00	1842.65	651.50	51.0000	780.30			6045.61	9320.05
INTEREST ON OPERATING CAPITAL																212.55
TOTAL SPECIFIED COST																9532.60

Table 38.B Summary of estimated costs per acre
 Greenhouse Tomatoes, spring fresh market, 660 plants in
 grow bags, drip irrigated and fertilized, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	775.00	1.0000	775.00
FUNGICIDES	acre	264.00	1.0000	264.00
HIRED LABOR	acre	3091.20	1.0000	3091.20
INSECTICIDES	acre	23.49	1.0000	23.49
STAKES & TWINE	acre	116.48	1.0000	116.48
PLANTS	acre	264.00	1.0000	264.00
CUSTOM	acre	250.00	1.0000	250.00
HARVEST LABOR	acre	1261.44	1.0000	1261.44
OPERATOR LABOR	hour	15.30	51.0000	780.30
DIESEL FUEL	gal	2.10	701.1000	1472.31
ELECTRICITY	kWh	0.15	1855.2000	278.28
REPAIR & MAINTENANCE	acre	92.06	1.0000	92.06
INTEREST ON OP. CAP.	acre	212.55	1.0000	212.55
TOTAL DIRECT EXPENSES				8881.10
TOTAL FIXED EXPENSES				651.50
TOTAL SPECIFIED EXPENSES				9532.60

Table 38C. Effects of yields and prices on net returns per greenhouse above total direct expenses, Greenhouse Tomatoes, fresh market, 660 pl in grow bags, drip irrigated and fertilized, production parameters specified by Extension Horticulture Specialist, Louisiana, 2007.

Yield (Boxes)	Price Per 20 Lb. Box				
	21.00	24.00	27.00	30.00	33.00
	-----Net Returns Per Acre-----				
460.00	-7855.47	-6475.47	-5095.47	-3715.47	-2335.47
560.00	-5962.47	-4282.47	-2602.47	-922.47	757.53
660.00	-4069.47	-2089.47	-109.47	1870.53	3850.53
760.00	-2176.47	103.53	2383.53	4663.53	6943.53
860.00	-283.47	2296.53	4876.53	7456.53	10036.53

Table 39.A Estimated resource use and costs per acre for field operations Watermelons (early), hybrid, transplants, plastic mulch, one-row equipment, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (spread)	cwt			1.00	Oct							6.6000	2.00	13.20	13.20
Disk 2R	6 ft	43	0.570	1.00	Oct	3.27	1.93	0.70	1.00	0.627	9.59				16.50
Disk 2R	6 ft	43	0.570	2.00	Mar	6.55	3.86	1.40	2.00	1.254	19.19				33.00
Hipper-fert dist 1R 8-24-24	3 ft lb	23	1.550	1.00	Mar	4.83	2.45	1.82	2.59	1.705	26.09				37.77
Plastic layer	5 ft	23	1.500	1.00	Mar	4.67	2.37	2.16	4.51	4.650	71.15	400.0000	0.11	45.20	45.20
Plastic	roll											3.0000	85.00	255.00	255.00
Transplanter, plug Watermelon plants	1 row 100	23	1.000	1.00	Apr	3.11	1.58	1.06	2.75	3.100	47.43	9.0000	8.50	76.50	76.50
Trailer utility	10 ft	23	1.000	1.00	Apr	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Other labor	hour											1.0000	9.60	9.60	9.60
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Sevin	lbs											1.0000	5.41	5.41	5.41
Quadris	pt											0.7000	30.56	21.39	21.39
Cultivator 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Quadris	pt											0.7000	30.56	21.39	21.39
Cultivate & fert 1R	3 ft	23	1.610	1.00	Apr	5.01	2.54	1.77	2.52	1.771	27.10				38.94
Nitrogen	lb											30.0000	0.13	3.90	3.90
Potash	lb											90.0000	0.22	19.80	19.80
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Malathion	pt											2.0000	2.63	5.26	5.26
Bravo	pt											2.5000	6.35	15.88	15.88
Cultivator 1R	3 ft	23	1.530	1.00	May	4.76	2.42	1.35	1.92	1.683	25.75				36.19
Sprayer, boom	12 ft	23	0.190	1.00	May	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Benlate	lb											0.5000	15.95	7.98	7.98
Other labor	hour			1.00	May							2.0000	9.60	19.20	19.20
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Bravo	pt											3.0000	6.35	19.05	19.05
Sevin	lbs											1.0000	5.41	5.41	5.41
Trailer utility	10 ft	23	1.000	1.00	Jun	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	hour											15.0000	9.60	144.00	144.00
Pickup truck	1/2 ton				Jun			9.50	8.97	1.000	15.30				33.77
Sprayer, boom	12 ft	23	0.190	1.00	Jun	0.59	0.30	0.26	0.28	0.209	3.20				4.63
Bravo	pt											3.0000	6.35	19.05	19.05
Trailer utility	10 ft	23	1.000	1.00	Jun	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	hour											15.0000	9.60	144.00	144.00
Pickup truck	1/2 ton				Jun			9.50	8.97	1.000	15.30				33.77
Trailer utility	10 ft	23	1.000	1.00	Jul	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Harvest labor	hour											10.0000	9.60	96.00	96.00
Pickup truck	1/2 ton				Jul			9.50	8.97	1.000	15.30				33.77
Coulter	1 row	23	1.500	1.00	Aug	4.67	2.37	0.64	0.94	1.650	25.25				33.86
Other labor	hour											17.0000	9.60	163.20	163.20
Trailer utility	10 ft	23	1.000	1.00	Aug	3.11	1.58	0.27	0.95	1.100	16.83				22.74
Pickup truck	1/2 ton				Aug			9.50	8.97	1.000	15.30				33.77
Disk 4R	13.3 ft	68	0.150	1.00	Aug	1.36	0.79	0.56	0.80	0.165	2.52				6.04
TOTALS						66.88	34.86	55.05	65.16	30.725	470.09				
INTEREST ON OPERATING CAPITAL														1110.41	1802.46
TOTAL SPECIFIED COST															1850.18

Table 39.B Summary of estimated costs per acre
Watermelons (early), hybrid, transplants, plastic
mulch, one-row equipment, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	82.10	1.0000	82.10
FUNGICIDES	acre	104.73	1.0000	104.73
HIRED LABOR	acre	192.00	1.0000	192.00
INSECTICIDES	acre	16.08	1.0000	16.08
PLASTIC	acre	255.00	1.0000	255.00
PLANTS	acre	76.50	1.0000	76.50
HARVEST LABOR	acre	384.00	1.0000	384.00
OPERATOR LABOR	hour	15.30	30.7250	470.09
DIESEL FUEL	gal	2.10	4.3041	9.04
GASOLINE	gal	2.30	30.2157	69.50
REPAIR & MAINTENANCE	acre	43.40	1.0000	43.40
INTEREST ON OP. CAP.	acre	47.71	1.0000	47.71
TOTAL DIRECT EXPENSES				1750.15
TOTAL FIXED EXPENSES				100.02
TOTAL SPECIFIED EXPENSES				1850.18

Table 39C. Effects of yields and prices on net returns per acre above
total direct expenses, Watermelons (early), fresh market, one-
row equipment, hybrid, transplant, plastic mulch, production
parameters specified by Extension Horticulture Specialist,
Louisiana, 2007.

Yield (Cwt)	Price Per Cwt				
	6.00	7.00	8.00	9.00	10.00
	-----Net Returns Per Acre-----				
200.00	-425.35	-225.35	-25.35	174.65	374.65
250.00	-187.75	62.25	312.25	562.25	812.25
300.00	49.85	349.85	649.85	949.85	1249.85
350.00	287.45	637.45	987.45	1337.45	1687.45
400.00	525.05	925.05	1325.05	1725.05	2125.05

Appendix Table 1. Powered Equipment: estimated useful life, annual use, purchase price, repair cost, fuel consumption rate, and direct and fixed cost per hour Louisiana, 2007.

ITEM NAME	SIZE	USEFUL	ANNUAL	PURCHASE	REPAIR	FUEL	DIRECT COST		FIXED COST	
		LIFE	USE	PRICE	COST	CONS				
		years	hours	dollars	percent	/hour	\$/hr	\$/ac	\$/hr	\$/ac
Double hitch	0	10	1000	0	100	0.00	0.00		0.00	
Pickup truck	1/2 ton	5	600	25,000	45	2.50	9.50		8.97	
Small 4-wheel drive	225	10	600	104,362	25	11.58	28.67		18.70	
Tractor 106-130HP	118	10	600	60,457	35	6.07	16.27		10.83	
Tractor 131-155HP	143	10	600	72,690	35	7.36	19.70		13.03	
Tractor 15-30HP	23	10	600	8,820	35	1.13	3.11		1.58	
Tractor 156-180	168	10	600	83,266	35	8.65	23.02		14.92	
Tractor 31-55HP	43	10	600	18,914	35	2.21	5.74		3.39	
Tractor 56-80HP	68	10	600	29,457	35	3.50	9.07		5.28	
Tractor 80-105HP	93	8	600	53,457	35	4.79	13.96		11.01	
Tractor hi clearance	68	10	600	43,000	25	4.20	10.61		7.71	
Fork lift		20	350	20,000	50	1.50	4.88	4.88	4.58	4.58
High cycle spray	60 ft	12	250	60,000	60	2.90	18.09	0.54	26.45	0.79
Pickup truck	1/2 ton	5	600	25,000	45	2.50	9.50	9.50	8.97	8.97
Truck	1 ton	10	400	30,000	45	3.00	10.28	10.28	9.39	9.39
Truck	2 ton	10	400	35,000	45	3.00	10.24	10.24	10.96	10.96
Truck	5 ton	10	400	54,000	70	4.50	18.90	18.90	16.90	16.90

Appendix Table 2. Other durable inputs: estimated repair cost, fuel consumption rate, Direct cost per unit of measure, and fixed cost per unit of measure or per acre Louisiana, 2007.

ITEM NAME	UNIT	REPAIR	FUEL	DIRECT COST	----FIXED COST----	
		COST	CONS			
		\$/U of M	/U of M	\$/U of M	\$/U of M	\$/acre
Cool pad, greenhouse	hour	10.000	1.000	10.150		350.00
Cutter, potato seed	cwt	0.010	0.450	0.078		1.92
Fan, greenhouse	hour	0.018	1.400	0.228		191.50
Greenhouse	each	66.850	0.000	66.850		1337.00
Heater, greenhouse	hour	0.070	1.000	2.270		126.00
Irrig. sys. 1 pivot	acin	0.610	2.140	5.318		33.80
Irrig. Sys. 2 pipe	acin	0.590	1.410	3.692		27.70
Irrig. sys. 3 gun	acin	0.970	2.260	5.942		44.00
Irrig. sys. 7 pivot	acin	0.910	2.110	5.552		47.33
Irrig. sys. 8 pipe	acin	13.000	6.630	13.995		23.04
Irrigate/fert, drip	acin	10.520	7.200	11.600		60.00
Irrigate/fert, drip	each	10.520	7.200	11.600		289.00
Irrigation, drip	acin	2.230	51.700	9.985		60.00
Irrigation, drip	each	72.500	0.100	72.515		126.00
Irrigation, furrow	acin	2.900	6.000	3.800		55.50
Irrigation/sprinkler	acin	2.330	19.000	5.180		74.65
Loader, bulk	acre	0.500	1.000	2.700		3.84
Pack line/wet/large	acre	2.500	5.000	3.250		15.65
Pack line/wet/small	acre	2.000	5.250	2.788		12.52
Packing Line	acre	4.850	7.700	6.005		9.11
Packing line, dry	acre	1.400	1.150	1.573		8.76
Plant tie machine	hour	0.000	0.000	0.000		0.10
Pollinator	hour	0.300	0.000	0.300		20.00
Sheller, bean/pea	acre	3.600	12.750	5.513		7.55
Sprayer, backpack	each	0.000	0.000	0.000		25.00

Appendix Table 3. Implements: estimated performance rate, useful life, annual use, purchase price, repair cost, and direct and fixed cost per hour and per acre Louisiana, 2007.

ITEM NAME	SIZE	PERF	USEFUL	ANNUAL	PURCHASE	REPAIR	--DIRECT COST--		--FIXED COST--	
		RATE	LIFE	USE	PRICE	COST	\$/hr	\$/ac	\$/hr	\$/ac
		hrs/ac	years	hours	dollars	percent				
Conditioner row 4R	13.3 ft	0.15	10	200	4,500	88	1.98	0.30	2.82	0.42
Conditioner row 6R	20 ft	0.09	6	200	8,500	88	6.23	0.56	7.87	0.71
Conditioner, row 1R	6 ft	0.41	10	200	1,500	88	0.66	0.27	0.94	0.38
Coulter	1 row	1.50	10	200	1,000	85	0.43	0.64	0.63	0.94
Coulter	4 row	0.14	10	200	5,000	85	2.13	0.30	3.13	0.44
Cultivate & fert 1R	3 ft	1.61	10	200	2,500	88	1.10	1.77	1.57	2.52
Cultivate & fert 2R	6 ft	0.60	10	200	5,300	88	2.33	1.40	3.32	1.99
Cultivate & herb 1R	3 ft	1.83	10	200	2,500	88	1.10	2.01	1.57	2.86
Cultivate & Herb 2R	6 ft	0.69	10	200	4,000	88	1.76	1.21	2.50	1.73
Cultivate & herb 4R	20 ft	0.11	10	200	8,200	88	3.61	0.40	5.13	0.56
Cultivator 1R	3 ft	1.53	10	200	2,000	88	0.88	1.35	1.25	1.92
Cultivator 2R	6 ft	0.57	10	200	3,500	88	1.54	0.88	2.19	1.25
Cultivator 4R	13.3 ft	0.14	10	200	4,500	88	1.98	0.28	2.82	0.39
Cultivator 6R	20 ft	0.10	10	200	6,550	88	2.88	0.29	4.10	0.41
Cultivator, 6R dbl	20 ft	0.20	10	200	9,000	88	3.96	0.79	5.63	1.13
Disk & herb appl 2R	6 ft	0.59	10	200	3,200	88	1.41	0.83	2.00	1.18
Disk & herb appl 6R	20 ft	0.10	10	200	18,700	88	8.23	0.82	11.71	1.17
Disk 2R	6 ft	0.57	10	200	2,800	88	1.23	0.70	1.75	1.00
Disk 4R	13.3 ft	0.15	10	200	8,500	88	3.74	0.56	5.32	0.80
Disk 6R	20 ft	0.10	10	200	17,500	88	7.70	0.77	10.96	1.10
Ditcher	1.5 ft	0.05	10	100	2,500	88	2.20	0.11	3.13	0.16
Fertilizer applicatr	1 row	0.50	10	150	600	75	0.30	0.15	0.50	0.25
Fertilizer applicatr	20 ft	0.09	10	200	6,000	88	2.64	0.24	3.76	0.34
Fertilizer buggy	30 ft	0.06	10	150	6,500	88	3.81	0.23	5.43	0.33
Fertilizer buggy	30 ft	0.06	10	150	6,500	0	0.00	0.00	5.43	0.33
Fertilizer dist(PTO)	20 ft	0.11	10	150	1,600	88	0.94	0.10	1.34	0.15
Field cult. & herb	20 ft	0.10	10	200	9,750	88	4.29	0.43	6.10	0.61
Field cultivator	20 ft	0.09	10	200	8,750	88	3.85	0.35	5.48	0.49
Harrow, spike	18 ft	0.08	10	200	2,000	88	0.88	0.07	1.25	0.10
Harvest aide	50 ft	1.00	10	200	10,000	88	4.40	4.40	6.26	6.26
Harvester, bean 1R	3 ft	1.00	12	150	17,000	85	8.03	8.03	12.49	12.49
Harvester, greens	80 inch	1.00	10	200	10,000	88	4.40	4.40	6.26	6.26
Harvester, riding 1R	1 row	2.67	10	300	10,000	88	2.93	7.83	4.17	11.14
Harvester, riding 2R	2 row	2.00	15	300	14,000	88	2.74	5.48	4.44	8.89
Hipper 1R	3 ft	1.53	10	200	1,000	88	0.44	0.67	0.63	0.96
Hipper 2R	6 ft	0.57	10	200	2,000	88	0.88	0.50	1.25	0.71
Hipper 4R	13.3 ft	0.16	10	200	4,500	88	1.98	0.32	2.82	0.45
Hipper 6R	20 ft	0.09	10	200	7,200	88	3.17	0.29	4.51	0.41
Hipper-fert dist 1R	3 ft	1.55	10	150	2,000	88	1.17	1.82	1.67	2.59
Hipper-fert dist 2R	6 ft	0.58	10	200	4,000	88	1.76	1.02	2.50	1.45
Hole puncher 1R	3 ft	0.75	12	80	1,000	80	0.83	0.63	1.38	1.03
Hole puncher 4R	4 row	0.33	10	100	4,000	60	2.40	0.79	5.01	1.65
Hole puncher 4R	4R	0.33	10	100	4,000	60	2.40	0.79	5.01	1.65
Injection wheel 1R	1 row	1.00	10	100	1,800	77	1.39	1.39	2.25	2.25
Injection wheel 4R	4 row	0.33	10	100	4,000	88	3.52	1.16	5.01	1.65
Land level	13 ft	0.19	15	200	7,500	66	1.65	0.31	3.57	0.68
Lifter blade	1 row	1.50	10	100	1,300	60	0.78	1.17	1.63	2.44
Middle buster 1R	3 ft	1.53	10	200	500	88	0.22	0.34	0.31	0.48
Middle buster 2R	6 ft	0.57	10	200	1,200	88	0.53	0.30	0.75	0.43
Middle buster 4R	4R	0.30	10	200	3,500	88	1.54	0.46	2.19	0.66
Misc. tools	1 ft	0.00	5	200	112	97	0.11	0.00	0.12	0.00
Nurse tank	1000 gal	0.13	12	150	3,000	22	0.37	0.05	2.20	0.29
Planter & herb 1R	3 ft	1.53	10	200	1,100	77	0.42	0.65	0.69	1.05
Planter & herb 6R	20 ft	0.25	8	200	18,000	77	8.66	2.17	13.29	3.32
Planter 1R	3 ft	1.50	10	200	600	77	0.23	0.35	0.38	0.56
Planter 2R	6 ft	0.57	10	200	1,500	77	0.58	0.33	0.94	0.54
Planter 6R	20 ft	0.24	10	200	16,500	77	6.35	1.52	10.33	2.48
Planter, potato 4R	4 row	0.40	12	150	10,000	85	4.72	1.89	7.35	2.94

continued

Appendix Table 3. (Continued)

ITEM NAME	SIZE	PERF	USEFUL	ANNUAL	PURCHASE	REPAIR	--DIRECT COST--		--FIXED COST--	
		RATE	LIFE	USE	PRICE	COST				
		hrs/ac	years	hours	dollars	percent	\$/hr	\$/ac	\$/hr	\$/ac
Planter, precision1R	2 unit	1.30	10	200	6,000	85	2.55	3.32	3.76	4.88
Planter, precision2R	4 unit	0.60	10	200	12,000	85	5.10	3.06	7.51	4.51
Planter, vacuum	20 ft	0.25	12	150	30,000	85	14.17	3.54	22.04	5.51
Planter, yam seed	250 bu	0.33	15	50	6,500	50	4.33	1.43	12.38	4.08
Plastic & fumigation	5 ft	1.50	10	200	5,300	60	1.59	2.39	3.32	4.98
Plastic layer	5 ft	1.50	10	200	4,800	60	1.44	2.16	3.00	4.51
Plow, chisel	20 ft	0.09	10	200	12,000	88	5.28	0.48	7.51	0.68
Plow, moldboard	2 ft	1.79	10	200	750	88	0.33	0.59	0.47	0.84
Plow, moldboard	6 ft	0.66	10	200	950	88	0.42	0.28	0.59	0.39
Potato digger, chain	1 row	1.50	10	100	2,100	88	1.85	2.77	2.63	3.94
Potato digger, chain	2 row	0.66	10	100	3,500	88	3.08	2.03	4.38	2.89
Row shaper	4R	0.30	10	200	6,000	88	2.64	0.79	3.76	1.13
Shredder 1R	5 ft	0.74	10	150	1,500	48	0.48	0.36	1.25	0.93
Shredder 2R	6.7 ft	0.39	10	150	2,500	48	0.80	0.31	2.09	0.81
Shredder 4R	13.3 ft	0.13	10	150	7,000	44	2.05	0.27	5.84	0.76
Sprayer, boom	12 ft	0.19	8	150	1,500	110	1.38	0.26	1.48	0.28
Sprayer, boom	20 ft	0.12	8	150	2,400	110	2.20	0.26	2.36	0.28
Trailer	40 ft	1.00	15	200	5,000	88	1.47	1.47	2.38	2.38
Trailer small	8 ft	1.00	15	200	1,800	40	0.24	0.24	0.86	0.86
Trailer utility	10 ft	1.00	15	200	2,000	40	0.27	0.27	0.95	0.95
Trailer, water	10 ft	1.00	15	100	2,700	35	0.63	0.63	2.57	2.57
Transplanter 4R	12 ft	0.60	10	150	10,000	38	2.53	1.52	8.35	5.01
Transplanter mod 900	1 row	3.00	10	100	2,200	48	1.06	3.17	2.75	8.26
Transplanter vegtabl	1 row	4.00	10	200	1,300	48	0.31	1.25	0.81	3.26
Transplanter, plug	1 row	1.00	10	100	2,200	48	1.06	1.06	2.75	2.75
V-Ripper	7 shank	0.17	15	100	4,200	110	3.08	0.52	4.00	0.68
V-Ripper	9-shank	0.13	15	100	5,600	110	4.11	0.53	5.33	0.69
Wagon, vegetable	12 ft	1.00	15	200	7,500	88	2.20	2.20	3.57	3.57
Windrower	12.0 ft	0.18	8	80	4,950	121	9.36	1.68	9.14	1.65

Appendix Table 4. Operating inputs: estimated prices Louisiana, 2007

ITEM NAME	UNIT	PRICE			
		dollars			dollars
FERTILIZER					
10-20-20	lb	0.12	13-13-13	cwt	18.32
13-13-13	lb	0.18	3-13-29	lb	1.10
7-21-21	lb	0.12	8-24-24	lb	0.11
Ammonium Nitrate 33%	lb	0.13	Anhydrous (82%)	lb	0.30
CaNO3, regular	lb	0.35	CANO3, water sol.	lb	0.45
Fertilizer cart	cwt	0.20	Lime (spread)	cwt	2.00
Nitrogen	lb	0.13	Nitrogen (32%)	lb	0.39
Phosphorus	lb	0.15	Potash	lb	0.22
Sodium Molybdate	lb	18.00	Solubore	lb	1.10
FUNGICIDES					
Benlate	lb	15.95	Botran 75W	lb	12.75
Bravo	pt	6.35	Captan	lb	3.57
Dithane	lb	3.00	Exotherm	lb	4.00
Kocide	lb	3.00	Manzate	lb	3.20
Quadris	pt	30.56	Ridomil	lb	1.90
Ridomil + Bravo	lb	17.75	Ridomil Gold	pt	88.00
Ridomil Gold + Bravo	pt	90.00	Rovral	pt	18.93
Topsin M	lb	16.60	Tribasic Copper	lb	2.65
HERBICIDES					
Atrazine	pt	1.18	Basagran	pt	10.26
Command	qt	24.12	Crop oil	pt	1.00
Curbit	pt	4.76	Dacthal	lb	16.00
Devrinol	lb	8.39	Dual	pt	13.55
Eptam	pt	4.10	Fusilade 2000	pt	17.00
Goal	pt	10.93	Gramoxone	pt	5.40
Lasso	pt	3.05	Poast	pt	8.64
Prefar	qt	12.62	Princep	lb	3.73
Prowl	pt	2.75	Pursuit	oz	11.54
Roneet	qt	12.50	Roundup	pt	7.24
Sencor	pt	2.25	Surfactant	pt	2.00
Treflan	pt	2.87			
HIRED LABOR					
Blanching labor	hour	9.60	Clean berry plants	hour	9.60
Clip, tie and prune	hour	9.60	Cluster prune	hour	9.60
Contract planting, 1	1000	18.75	Contract planting, 2	1000	12.50
Cut slip labor	hour	9.60	Greenhouse prep.	hour	9.60
Hoe labor	hour	9.60	Leaf pruning	hour	9.60
Monitor	hour	9.60	Other labor	hour	9.60
Planting labor	hour	9.60	Strip berry labor	hour	9.60
Tie/prune plants	hour	9.60	Tomato pollination	each	9.60
INSECTICIDES					
AgriMek	pt	83.50	Ambush	pt	14.00
Buffer	pt	2.00	Confirm	lb	23.36
Diazinon	pt	3.80	Dimethoate	pt	4.23
Dipel	pt	4.47	Furadan	qts	17.42
Guthion	pt	2.75	Imidan	lb.	7.45
Kelthane	qt	11.46	Lannate	pt	7.09
Lorsban 4E	pt	4.29	Malathion	pt	2.63
Mocap	lbs	1.40	Orthene	lbs	11.90
Penncap M	pt	3.48	Phosdrin	pt	11.19
Pounce	pt	17.60	Provado	pt	54.08
Sevin	lbs	5.41	Thiodan	lb	6.50
Thiodan	pt	4.30	Vendex	lb	23.00
PACK & HARVEST ITEMS					
Boxes, lug	each	1.25	Bushel hampers	each	2.25
Flats w/clamshells	each	2.29	Flats w/pints	each	1.28
Hand carry	each	1.60	Harvest container	each	1.00
Harvest crate	each	1.15	Harvest sacks	each	0.75
Ice	cwt	7.10	Lug boxes	each	1.11
Packing boxes	each	1.25	Packing boxes	each	1.20
Packing boxes	each	0.95	Packing boxes	each	1.45
Packing boxes	each	0.95	Packing charge	bu	1.50
Packing crates	each	1.10	Packing sacks	each	0.75
plastic bag, sealing	each	0.10	Potato bins	each	50.00
Rubber bands	lbs	5.00	Vegetable bin	each	50.00

Appendix Table 4 (continued)

ITEM NAME	UNIT	PRICE			
			dollars		dollars
SEED					
Broccoli seed	lbs	525.11	Butter bean seed	lbs	1.50
Cabbage seed	lbs	272.00	Cantaloupe seed	lbs	338.00
Cauliflower seed	lbs	775.00	Cayenne seed	lbs	32.50
Chipping potato seed	cwt	22.00	Collard seed	lbs	5.50
Cover crop	acre	60.00	Cucumber seed	lbs	93.16
Cucumber seed/slice	lbs	12.25	Eggplant seed	lbs	320.00
Irish potato seed	cwt	22.00	Jalapeno seed	lbs	35.00
Mustard seed	lbs	4.00	Okra seed	lbs	4.22
Pink banana squash	lbs	11.60	Pumpkin seed	lbs	32.25
Seed potatoes	bu	7.00	Shallots sets	lbs	2.00
Snap bean seeds	lbs	1.50	Southern pea seed	lbs	1.81
Spinach	lbs	5.90	Sweet corn seed	lbs	8.76
Sweet potato slips	acre	119.69	Turnip seed	lbs	8.89
Watermelon seed	lbs	26.63	Yellow squash seed	lbs	42.00
STAKES & TWINE					
Plant clips	box	102.50	Stake replacement	100	10.50
String	lbs	2.00	Tomato hooks	1000	186.00
Twine	roll	25.00	Twine, plastic	box	15.00
Twine, poly	roll	4.50			
PLASTIC					
Hose, lay flat	roll	90.00	Pipe, poly	acre	4.69
Plastic	ft	0.02			

Appendix Table 5.A Estimated resource use and costs per acre for field operations Potato (Mother-Sweet), one-row equipment, plant 90 acres, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Disk 2R	6 ft	43	0.570	2.00	Dec	6.55	3.86	1.40	2.00	1.254	19.19					33.00
Fertilizer applicatr 8-24-24	1 row lb	23	0.500	1.00	Feb	1.56	0.79	0.15	0.25	0.550	8.42	500.0000	0.11	56.50		11.16
Disk 2R	6 ft	43	0.570	1.00	Feb	3.27	1.93	0.70	1.00	0.627	9.59					16.50
Hipper 1R	3 ft	23	1.530	2.00	Feb	9.53	4.84	1.35	1.92	3.366	51.50					69.13
Middle buster 1R	3 ft	23	1.530	1.00	Feb	4.76	2.42	0.34	0.48	1.683	25.75					33.75
Trailer utility	10 ft	23	1.000	5.00	Feb	15.57	7.90	1.33	4.76	5.500	84.15					113.71
Planter, yam seed	250 bu	93	0.330	1.00	Feb	4.61	3.63	1.43	4.08	0.693	10.60					24.35
Planting labor	hour											1.0000	9.60	9.60		9.60
Seed potatoes	bu											900.0000	7.00	6300.00		6300.00
Seed potatoes	bu											450.0000	7.00	3150.00		3150.00
Botran 75W	lb											2.2500	12.75	28.69		28.69
Fork lift			1.000	1.00	Feb			4.88	4.58	1.000	15.30					24.76
Hipper 1R	3 ft	23	1.530	2.00	Feb	9.53	4.84	1.35	1.92	3.366	51.50					69.13
Ditcher	1.5 ft	23	0.050	1.00	Feb	0.16	0.08	0.11	0.16	0.055	0.84					1.34
Plastic layer	5 ft	23	1.500	1.00	Mar	4.67	2.37	2.16	4.51	4.650	71.15					84.85
Plastic	roll											4.5000	85.00	382.50		382.50
Other labor	hour											3.0000	9.60	28.80		28.80
Hipper 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	0.67	0.96	1.683	25.75					34.56
Other labor	hour			1.00	Mar							6.0000	9.60	57.60		57.60
Cultivator 1R	3 ft	23	1.530	1.00	Mar	4.76	2.42	1.35	1.92	1.683	25.75					36.19
Ditcher	1.5 ft	23	0.050	1.00	Mar	0.16	0.08	0.11	0.16	0.055	0.84					1.34
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20					4.63
Thiodan	lb											1.0000	6.50	6.50		6.50
Cultivator 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	1.35	1.92	1.683	25.75					36.19
Ditcher	1.5 ft	23	0.050	1.00	Apr	0.16	0.08	0.11	0.16	0.055	0.84					1.34
Sprayer, boom	12 ft	23	0.190	1.00	Apr	0.59	0.30	0.26	0.28	0.209	3.20					4.63
Thiodan	lb											1.0000	6.50	6.50		6.50
Cultivator 1R	3 ft	23	1.530	1.00	Apr	4.76	2.42	1.35	1.92	1.683	25.75					36.19
Ditcher	1.5 ft	23	0.050	1.00	Apr	0.16	0.08	0.11	0.16	0.055	0.84					1.34
Shredder 1R	5 ft	23	0.740	1.00	May	2.30	1.17	0.36	0.93	0.814	12.45					17.21
Middle buster 1R	3 ft	23	1.530	1.00	May	4.76	2.42	0.34	0.48	1.683	25.75					33.75
Disk 2R	6 ft	43	0.570	2.00	May	6.55	3.86	1.40	2.00	1.254	19.19					33.00
TOTALS						94.52	50.62	22.86	36.79	33.810	517.29					10026.6910748.77
INTEREST ON OPERATING CAPITAL																295.34
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																11044.11

Appendix Table 5.B Summary of estimated costs per acre Potato (Mother-Sweet), one-row equipment, plant 90 acres, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT
		dollars		dollars
DIRECT EXPENSES				
FERTILIZER	acre	56.50	1.0000	56.50
FUNGICIDES	acre	28.69	1.0000	28.69
HIRED LABOR	acre	96.00	1.0000	96.00
INSECTICIDES	acre	13.00	1.0000	13.00
SEED	acre	9450.00	1.0000	9450.00
PLASTIC	acre	382.50	1.0000	382.50
OPERATOR LABOR	hour	15.30	33.8100	517.29
DIESEL FUEL	gal	2.10	7.8792	16.55
GASOLINE	gal	2.30	28.1906	64.84
REPAIR & MAINTENANCE	acre	35.99	1.0000	35.99
INTEREST ON OP. CAP.	acre	295.34	1.0000	295.34
TOTAL DIRECT EXPENSES				10956.70
TOTAL FIXED EXPENSES				87.41
TOTAL SPECIFIED EXPENSES				11044.11

