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PROJECTED COSTS AND RETURNS - COTTON, SOYBEANS, CORN, MILO AND WHEAT, NORTHEAST LOUISIANA, 1997

by

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INTRODUCTION

As indicated in the introduction to this report, basic data for the budgets is updated periodically utilizing information collected in producer surveys. A detailed survey of farmers in the Macon Ridge area was conducted during the summer of 1990. A similar survey of farmers in the remainder of northeast Louisiana was conducted in 1991. In 1995 a state-wide survey of production practices for cotton was conducted. Data from all these sources as well as the annual survey of input suppliers was used to develop budgets in this publication.

ENTERPRISE BUDGETS

The enterprise budgets for owner-operators and tenant-operators are presented in two formats. One format is a summary of costs and returns for the enterprise. This format presents costs by broad categories such as herbicides, insecticides, etc. The other format presents a detailed listing of the operations, the equipment size and the associated power unit along with the date performed and the associated costs for tractor, machinery and materials. Together these formats provide the detailed information necessary to adjust budgets to individual situations. In addition, the appendix to this report contains detailed cost estimates for an extensive list of equipment, irrigation systems, and operating inputs. These may also be used to modify budgets contained in this report or construct new enterprise budgets.

It should be noted that the enterprise budgets presented for owner-operators assume the operator owns the land resource (i.e. he has 100 percent equity in the land). If a person is in the process of purchasing his land (i.e. he has less than 100 percent equity) his cost of production may be considerably higher than the full owner or the tenant-operator. For example, if a farmer pays a land note of $100 per acre per year, he may have a higher cost per unit of output than a person renting the land. To account for land costs in the owner-operator budgets an opportunity cost for land is shown as an allocated cost item in the budgets. These are non-cash costs that represent income that could be gained if the owner-operator choose to rent out the land rather than produce the enterprise.

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Cotton Budgets

This report presents cotton budgets showing projected costs and returns for 1997 for the alluvial soil areas of northeast Louisiana and the Macon Ridge. Budgets are included for cotton production on sandy soils using conventional tillage practices. One budget situation is included for cotton production on clay soils using reduced tillage practices. In both areas, budgets are presented for solid and skip-row patterns. Budgets are presented for only 8-row equipment based on a 38 inch row spacing. For each area owner-operator and tenant-operator budgets are shown. A budget for irrigated cotton is presented for the Macon Ridge. Budgets for tenant-operators are for a share rent situation. Following each set of budgets is a table showing the sequence of operations and associated machinery costs and labor requirements for each. A budget for reduced tillage cotton production is shown for both the Macon Ridge and alluvial soil areas of the state. Reduced tillage cotton production technology is changing and the budgets presented here are based on limited data, but represent the best available information at the time of publication.

Irrigation Costs

Irrigation costs shown in the cotton budget are based on a poly-pipe irrigation system. A 60 acre poly-pipe system was chosen as representative of those on the sample farms. The system includes a 100 foot deep well with 8-inch casing with a 6-inch discharge. Details of system costs are shown in Table 1. A summary of cost items for a center pivot system are shown in Table 2. It was assumed that the system would be used three times per year and apply two-acre-inches of water per application.

Cotton Harvesting

Harvesting costs shown in the budgets are based on using four-row cotton pickers. While four-row pickers account for the largest share of picking capacity in the state, two-row pickers still account for a significant, but declining share. Data on costs associated with owning and operating two-row cotton pickers are presented in the appendix to this report. These data indicate that the cost of owning and operating a two-row picker are approximately $55.00 per acre compared to $40.38 for a four-row picker. These costs assume that the four-row machine is used on approximately 770 acres while the two-row picker is used on 345 acres. If the rate of use is less, then these costs would be higher. The enterprise budgets reflect twice-over harvest for approximately half of the cotton acreage on a farm. The decision to “scrap” cotton should be based on the potential profitability of the operation comparing the value of the cotton harvested with the cost of operating the cotton picker and associated equipment.

Other components of the harvest equipment is assumed to include a module builder and conventional cotton trailers. Module builders were assumed to handle 70 percent of the crop with the remainder going in trailers. The cost of hauling modules and trailers to the gin is included in the enterprise budgets. The cost of hauling the module is based on a custom charge of a flat fee plus a mileage rate. If rebates or other incentives are available, individual budgets may be adjusted to reflect the level of the incentive.

Soybean Budgets

Budgets showing projected costs and returns for 1997 are presented for the alluvial soil area for two soil types (sandy and clay) and one equipment size (8-row). Soybean budgets for the Macon Ridge area are presented for silty soil type with 8-row equipment. Equipment size designations are based on a 38 inch row width. Many soybean producers employ production techniques which utilize a row spacing of less than 38 inches. However, the 38 inch spacing was the dominant spacing on the survey farms. One budget is presented for drill planted soybeans and one for double-crop soybeans.

Corn, Milo and Wheat Budgets

A budget showing projected costs and returns for 1997 corn in the alluvial soil areas is presented for sandy soil with 8-row equipment. Following this budget is a table showing the operations and associated costs for each operation. Projected costs and returns for milo are shown followed by a table showing the operations and associated costs. A budget showing projected costs for 1997 are presented for drill planted wheat with 6-row equipment.

SUMMARY

Tables 3 through 8 present summaries of projected costs and returns and breakeven prices for cotton, soybeans, corn, milo, and wheat respectively. The amount shown as total specified costs includes the opportunity A summary of projected costs and returns for cotton production situations included in this report is presented in Table 3. Cotton production costs for 1997 include the use of a module builder for a portion of the cotton harvested. A mandatory checkoff charge of $2.31 per bale was added to the 1997 cotton budgets. This charge was based on a flat charge of one dollar per bale plus 0.5 percent of the value of a 480 pound bale. A summary of breakeven selling prices necessary to recover direct expenses as well as total costs are shown in Table 4. Breakeven selling prices are shown for five yield levels.

A summary of projected costs and returns for soybean production situations included in this report is presented in Table 5. Soybeans produced on clay soils required slightly different production practices than soybeans produced on sandy soil. Thus, there were slight differences between net returns for soybeans produced on sandy soils and soybeans produced on clay soils within areas. Larger differences in net returns did exist between areas because of yield differences. Table 6 presents breakeven selling prices for soybeans at five yield levels for the budget situations presented.

Table 7 presents a summary of projected costs and returns for corn, milo, and wheat budgets included in this report (wheat budgets do not include a charge for farm overhead since wheat is generally produced as a double crop (e.g. wheat, soybeans). Total costs for corn production were higher than for soybean, wheat and milo production and returns were lower for corn given the product prices and yields used in the projections. Breakeven selling prices for corn, milo and wheat at five yield levels are presented in Table 8.

"Breakeven" selling prices have been included in this report for five production levels for each crop situation budgeted. The breakeven selling price represents the cost per unit of output at that particular yield level. Thus, a price higher than the breakeven price would have to be received before the operator would receive a return above the specified costs. "Breakeven" prices have been presented for "direct expenses" (a close approximation of cash costs for most producers) and for "total specified expenses", which represents all costs except overhead, land, and risk costs for the business. Therefore, owner-operators would need a price above the total specified breakeven cost before a return to land would be incurred. For example, if the breakeven selling price above total specified expenses for soybeans at a yield of 25 bushels per acre is $4.50 and the expected selling price is $5.50 per bushel, then the producer could expect $1.00 per bushel or $25.00 returns per acre to land and risk. "Breakeven" prices for "direct expenses" do include land rent for tenant-operators. If land rent was entered as a cash rent in tenant budgets, the "breakeven" price for total specified direct expenses would include land as a charge in those situations.

The appendix tables present detailed cost estimates for various farm equipment, irrigation systems and operating inputs. These data may be used to adjust budgets to individual situations. The owner and tenant overhead budgets are also presented in the appendix tables.

Table 1. Estimated annual costs, representative poly pipe furrow irrigation system, Northeast Louisiana, 1997.[A]

	System used on 60 acres, with three two-inch applications	
	Investment Cost	Annual Cost[B]
	----------Dollars----------	
INVESTMENT REQUIREMENTS:		
Well	$ 4,500.00	$ 225.00
Pump and motor	1,500.00	150.00
Land forming	9,750.00	487.50
Tractor and ditcher[C]	---0----	8.30
Interest	---0----	511.70
Total ownership cost	15,750.00	1,382.51
Ownership cost/acre		23.04
Ownership cost/acre inch		3.84
DIRECT EXPENSES:[D]		
Electric		214.85
Repair and maintenance		39.29
Labor		296.25
Diesel (tractor)		8.22
Poly pipe		348.00
Total direct cost		906.61
Direct cost/acre		15.11
Direct cost/acre inch		2.52
Total annual cost		2,289.12
Annual cost/acre		38.15
Annual cost/acre inch		6.36

[A] Includes an 8-inch casing, 6-inch discharge well 100 feet deep, and 10 horsepower electric motor that consumes approximately 8.3 kwh of electricity.

[B] Annual costs include depreciation and interest on investment. Estimated life of wells, pumps, power units, and land forming were assumed to be 20, 10, 10, and 20 years, respectively.

[C] Includes a pro-rated share of fixed and variable costs of both the tractor and ditcher.

[D] Electricity was assumed to cost 0.09 cents per kwh, diesel fuel $0.85 per gallon, repair and maintenance calculated as 0.5 percent of total investment (excluding land forming), wage rates assumed to be $7.50 per hour, and poly pipe $232.00 per 1/4 mile roll.

Table 2. Estimated annual costs, representative center pivot irrigation system, Northeast Louisiana, 1997.[A]

Item	one location, 130 acres with three one inch applications		two locations, 260 acres with three one inch applications	
	Investment Cost	Annual Cost[B]	Investment Cost	Annual Cost[B]
	----------Dollars----------			
INVESTMENT REQUIREMENTS:				
Well	$ 4,500.00	$ 225.00	$ 9,000.00	$ 450.00
Pump and gear head	7,500.00	500.00	15,000.00	1,000.00
Power unit and generator	9,000.00	750.00	9,000.00	750.00
Power unit & fuel tank trailer			1,400.00	93.33
Tractor			--0--	16.00
Fuel tank and lines	600.00	40.00	600.00	40.00
Distribution system	40,000.00	2,666.67	40,000.00	2,666.67
Interest	--0--	1,971.20	--0--	3,772.41
Total ownership cost	61,600.00	6,152.87	75,000.00	8,788.40
Ownership cost/acre		47.33		33.80
Ownership cost/acre inch		15.78		11.27
DIRECT EXPENSES:[C]				
Diesel fuel		699.42		1,423.52
Repair and maintenance		358.06		479.09
Labor		108.30		231.60
Total direct cost		1,165.78		2,134.21
Direct cost/acre		8.97		8.21
Direct cost/acre inch		2.99		2.74
Total annual cost		7,318.65		10,922.61
Annual cost/acre		56.30		42.01
Annual cost/acre inch		18.77		14.00

[A] Includes a 1320 foot electric drive system, a 12-inch casing, 8-inch discharge well 100 feet deep, and 100 horsepower diesel engine that consumes approximately 5.7 gallons of fuel per hour.

[B] Annual costs include depreciation and interest on investment. Estimated life of wells, pumps, power units, fuel tanks, and distribution systems were assumed to be 20, 15, 12, 15, and 15 years, respectively.

[C] Diesel fuel $0.85 per gallon, repair and maintenance calculated as 0.5 percent of total investment, and wage rates assumed to be $7.50 per hour.

TABLE 3. A summary of projected costs and returns per acre for Cotton production, Alluvial Soil and Macon Ridge Areas, Louisiana, 1997.[A]

Crop Description	Yield Per Acre[B]	Unit	Total Income	Total Direct Expenses	Returns Above Direct Expenses	Total Fixed Expenses	Total Specified Expenses[C]	Returns Above Specified Expenses
			.....Dollars per unit.....					
Alluvial Soil Area								
Cotton, 8-row, solid	800	lbs. of Lint	602.15	385.59	216.56	70.49	456.08	146.07
Cotton, 8-row, solid, (tenant)	800	lbs. of Lint	481.91	371.48	110.44	70.49	441.97	39.95
Cotton, 8-row, skip	800	lbs. of Lint	602.15	352.93	249.22	60.57	413.49	188.65
Cotton, 8-row, (reduced till)	650	lbs. of Lint	488.87	392.36	96.51	67.26	459.62	29.25
Macon Ridge Area								
Cotton, 8-row, solid	650	lbs. of Lint	489.27	374.65	114.62	62.04	436.69	52.58
Cotton, 8-row, solid, (tenant)	650	lbs. of Lint	391.41	363.20	28.20	62.04	425.25	(33.84)
Cotton, 6-row, reduced tillage	600	lbs. of Lint	451.61	391.04	60.57	58.91	449.96	1.66
Cotton, 8-row, solid (irr.)	840	lbs. of Lint	632.26	446.94	185.31	85.06	532.00	100.26

[A] Cotton lint price of $0.68 per lb. and $0.05 per lb. for cottonseed was used.
[B] Cottonseed yield is equal to 1.55 x yield of lint.
[C] Farm overhead and land charges are not included in total specified expenses.

Table 4. Breakeven selling prices for Cotton for selected yield levels, Alluvial Soils and Macon Ridge Areas, Louisiana, 1997.

Crop Description	Base Yield	Unit	Yield Levels -20%	-10%	Base	+10%	+20%
			----------Dollars per unit ----------				
Price required to recover total specified expenses[A]							
Alluvial Soils							
Cotton, 8-row, solid	800	lbs. of lint	0.61	0.54	0.49	0.44	0.41
Cotton, 8-row, solid (tenant)[B]	800	lbs. of lint	0.82	0.73	0.65	0.59	0.54
Cotton, 8-row, skip	800	lbs. of lint	0.54	0.48	0.43	0.39	0.36
Cotton, 8-row, reduced tillage	650	lbs. of lint	0.78	0.69	0.62	0.57	0.52
Macon Ridge							
Cotton, 8-row, solid	650	lbs. of lint	0.75	0.66	0.60	0.54	0.50
Cotton, 8-row, solid, (tenant)[B]	650	lbs. of lint	0.93	0.83	0.75	0.68	0.62
Cotton, 6-row, solid, (reduced tillage)	600	lbs. of lint	0.85	0.75	0.68	0.61	0.56
Cotton, 6-row, solid, (irrigated)	840	lbs. of lint	0.70	0.62	0.56	0.51	0.46
Prices required to recover Direct Expenses							
Alluvial Soils							
Cotton, 8-row, solid	800	lbs. of lint	0.50	0.44	0.40	0.36	0.33
Cotton, 8-row, solid (tenant)[B]	800	lbs. of lint	0.67	0.60	0.54	0.49	0.45
Cotton, 8-row, skip	800	lbs. of lint	0.45	0.40	0.36	0.33	0.30
Cotton, 8-row, reduced tillage	650	lbs. of lint	0.65	0.58	0.52	0.47	0.43
Macon Ridge							
Cotton, 8-row, solid	650	lbs. of lint	0.62	0.55	0.49	0.45	0.41
Cotton, 8-row, solid, (tenant)[B]	650	lbs. of lint	0.83	0.74	0.66	0.60	0.55
Cotton, 6-row, solid, (reduced tillage)	600	lbs. of lint	0.71	0.63	0.57	0.52	0.47
Cotton, 6-row, solid, (irrigated)	840	lbs. of lint	0.56	0.50	0.45	0.41	0.37

[A] Does not include land or overhead costs.
[B] Tenant-operator budgets include land charges in the form of a reduction in revenue.

TABLE 5. A summary of projected costs and returns per acre for Soybean production, Alluvial Soil and Macon Ridge areas, Louisiana, 1997.[A]

Crop Description	Yield Per Acre	Unit	Total Income	Total Direct Expenses	Returns Above Direct Expenses	Total Fixed Expenses	Total Specified Expenses[B]	Returns Above Specified Expenses
			.....Dollars per unit.....					
Alluvial Soil								
Soybeans, 8-row, sandy	30	bu	195.00	77.25	117.75	34.51	111.76	83.24
Soybeans, 8-row, clay	30	bu	195.00	75.11	119.89	32.13	107.23	87.77
Soybeans, 8-row, clay (tenant)	30	bu	146.25	75.13	71.12	32.13	107.25	39.00
Soybeans, 8-row, clay (drilled)	30	bu	195.00	86.19	108.81	27.40	113.59	81.41
Macon Ridge								
Soybeans, 8-row, silty	21	bu	136.50	81.61	54.89	31.79	113.40	23.10
Soybeans, 8-row, silty (tenant)	21	bu	102.38	81.61	20.77	31.79	113.40	(11.02)

[A] Crop price used was $6.50 per bu. for soybeans.
[B] Farm overhead and land charges are not included in total specified expenses.

Table 6. Breakeven selling prices for Soybeans for selected yield levels, Alluvial Soils and Macon Ridge areas, Louisiana, 1997.

Crop Description	Base Yield	Unit	Yield Levels 20%	10%	BASE	10%	20%
			---------- Dollars per unit ---------				
Prices required to recover Total Specified Expenses[A]							
Alluvial Soils							
Soybeans, 8-row, sandy	30	bu	4.66	4.14	3.73	3.39	3.10
Soybeans, 8-row, clay	30	bu	4.47	3.97	3.57	3.25	9.98
Soybeans, 6-row, clay, (drilled)	30	bu	4.73	4.21	3.79	3.44	3.16
Soybeans, 6-row, clay, (tenant)[B]	30	bu	5.96	5.30	4.77	4.33	3.97
Macon Ridge							
Soybeans, 8-row, sandy	21	bu	6.75	6.00	5.40	4.91	4.50
Soybeans, 8-row, sandy, (tenant)[B]	21	bu	9.00	8.00	7.20	6.55	6.00
Prices required to recover Direct Expenses							
Alluvial Soils							
Soybeans, 8-row, sandy	30	bu	3.22	2.86	2.58	2.34	2.15
Soybeans, 8-row, clay	30	bu	3.13	2.78	2.50	2.27	2.09
Soybeans, 6-row, clay, (drilled)	30	bu	3.59	3.19	2.87	2.61	2.39
Soybeans, 6-row, clay, (tenant)[B]	30	bu	4.17	3.71	3.34	3.04	2.78
Macon Ridge							
Soybeans, 8-row, sandy	21	bu	4.85	4.32	3.89	3.53	3.24
Soybeans, 8-row, sandy, (tenant)[B]	21	bu	6.48	5.76	5.18	4.71	4.32

[A] Does not include land or overhead costs.
[B] Tenant-operator budgets include land costs.

TABLE 7. A summary of projected costs and returns per acre for Corn, Milo, and Wheat production, Alluvial soil and Macon Ridge Areas, Louisiana, 1997.[A]

Crop Description	Yield Per Acre	Unit	Total Income	Total Direct Expenses	Returns Above Direct Expenses	Total Fixed Expenses	Total Specified Expenses[B]	Returns Above Specified Expenses
			---------- Dollars per unit ----------					
Corn grain, 8-row equip.	100	bu	270.00	208.00	62.00	41.32	249.32	20.68
Milo, 8-row	48	cwt	216.00	102.49	113.51	30.45	132.95	83.05
Wheat (grain), 8-row,(drilled)	40	bu	148.00	80.69	87.31	26.87	107.55	40.45
Soybeans - Wheat (dbl. crop)	25 + 40	bu	310.50	150.11	160.39	50.78	200.88	109.62

[A] Crop prices used were $2.70 per bu. for corn, $4.50 per cwt. for Milo, $3.70 per bu. for wheat and $6.50 per bu. for soybeans.

[B] Farm overhead and land charges are not included in total specified expenses.

Table 8. Breakeven selling prices for Corn, Milo, and Wheat for selected yield levels, Alluvial Soils and Macon Ridge Areas, Louisiana, 1997.

Crop Description	Base Yield	Unit	Yield Levels				
			-20%	-10%	BASE	10%	20%
			---------- Dollars per unit ---------				
Prices required to recover Total Specified Expenses[A]							
Corn grain, 6-row	100	bu	3.06	2.74	2.49	2.28	2.10
Milo, 6-row	48	cwt	3.61	3.22	2.90	2.63	2.41
Wheat grain, 6-row	40	bu	3.55	3.15	2.84	2.58	2.37
Prices required to recover Direct Expenses							
Corn grain, 6-row	100	bu	2.55	2.29	2.08	1.90	1.76
Milo, 6-row	48	cwt	2.73	2.42	2.18	1.98	1.82
Wheat grain, 6-row	40	bu	2.59	2.30	2.07	1.88	1.73

[A] Does not include land or overhead costs.

Table 9.A Estimated costs and returns per acre
Cotton, sandy soil, 8-row equipment, solid planted,
owner-operators, alluvial soils, northeast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton lint	lbs	0.68	800.0000	544.00	_____
Cottonseed prod	lb	0.05	1240.0000	62.00	_____
Cotton checkoff	bale	2.31	-1.6670	-3.85	_____
TOTAL INCOME				602.15	_____
DIRECT EXPENSES					
CUSTOM					
Airplane lo-vol	acre	2.10	4.0000	8.40	_____
Airplane hi-vol	acre	3.15	1.0000	3.15	_____
DEFOLIANT					
Dropp	lbs	53.45	0.2000	10.69	_____
Prep	pt	5.25	1.3330	7.00	_____
FERTILIZER					
Nitrogen	lbs	0.26	90.0000	23.40	_____
FUNGICIDES					
TSX	lbs	1.95	10.0000	19.50	_____
HERBICIDES					
Treflan 4L	pt	3.75	1.5000	5.63	_____
Zorial 80DF	lbs	13.31	0.8000	10.65	_____
Cotoran 4L	qt	8.75	1.1000	9.63	_____
MSMA 6.6	pt	2.13	1.8000	3.83	_____
Surfactant	pt	1.34	1.2000	1.61	_____
Bladex 4L	pt	3.32	2.5000	8.30	_____
Fusilade DX	pt	13.80	0.3000	4.14	_____
Crop oil	pt	0.78	0.3000	0.23	_____
HIRED LABOR					
Other labor	hour	7.50	0.3700	2.78	_____
INSECTICIDES					
Temik 15G	lbs	2.90	3.3300	9.66	_____
Bidrin 8EC	pt	10.78	0.1000	1.08	_____
Larvin 3.2	pt	6.24	1.8800	11.73	_____
Baythroid	pt	48.15	0.2640	12.71	_____
Asana XL .66EC	pt	15.00	0.9700	14.55	_____
Curacron 8E	pt	12.55	0.8750	10.98	_____
Methyl parathion 4E	pt	3.16	3.0000	9.48	_____
Karate 1E	pt	25.63	0.2500	6.41	_____
OTHER					
Module hauling	bale	5.00	1.1700	5.85	_____
Ginning cost	lbs	0.08	800.0000	64.00	_____
Insect scout	acre	7.50	1.0000	7.50	_____
SEED					
Cotton seed	lbs	0.82	12.0000	9.84	_____
OPERATOR LABOR					
Tractors	hour	7.50	2.5160	18.87	_____
Self-Propelled Eq.	hour	7.50	0.1452	1.09	_____
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3960	4.75	_____
DIESEL FUEL					
Tractors	gal	0.85	16.2580	13.82	_____
Self-Propelled Eq.	gal	0.85	4.1820	3.55	_____
GASOLINE					
Tractors	gal	1.20	0.6250	0.75	_____
REPAIR & MAINTENANCE					
Implements	acre	8.68	1.0000	8.68	_____
Tractors	acre	14.43	1.0000	14.43	_____
Self-Propelled Eq.	acre	23.00	1.0000	23.00	_____
INTEREST ON OP. CAP.	acre	13.94	1.0000	13.94	_____
TOTAL DIRECT EXPENSES				385.59	_____
RETURNS ABOVE DIRECT EXPENSES				216.56	_____
FIXED EXPENSES					
Implements	acre	13.61	1.0000	13.61	_____
Tractors	acre	21.83	1.0000	21.83	_____
Self-Propelled Eq.	acre	35.04	1.0000	35.04	_____
TOTAL FIXED EXPENSES				70.49	_____
TOTAL SPECIFIED EXPENSES				456.08	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				146.07	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	_____
Land (Oppor. Cst.)MS	acre	90.00	1.0000	90.00	_____
RESIDUAL RETURNS				-8.41	_____

Table 9.B Estimated resource use and costs per acre for field operations
Cotton, sandy soil, 8-row equipment, solid planted,
owner-operators, alluvial soils, northeast Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Subsoiler	3 shank	168	0.400	1.00	Jan	6.38	4.74	0.45	0.65	0.440	3.30				15.52
Disk	26.6 ft	168	0.070	1.00	Jan	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk	26.6 ft	168	0.070	1.00	Mar	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk + pre	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.57	0.81	0.077	0.58				3.90
Treflan 4L	pt											1.5000	3.75	5.63	5.63
Zorial 80DF	lbs											0.8000	13.31	10.65	10.65
Fertilzer app (R)	20 ft	93	0.090	1.00	Apr	0.47	0.63		0.00	0.099	0.74				1.84
Nitrogen	lbs											90.0000	0.26	23.40	23.40
Hipper	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.23	0.33	0.077	0.58				3.08
Conditioner	26.6 Ft	168	0.070	1.00	Apr	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Plant + pre	26.6 Ft	168	0.080	1.00	Apr	1.28	0.95	0.75	1.15	0.088	0.66				4.79
Cotoran 4L	qt											0.6000	8.75	5.25	5.25
Cotton seed	lbs											12.0000	0.82	9.84	9.84
Other labor	hour											0.1200	7.50	0.90	0.90
Temik 15G	lbs											3.3300	2.90	9.66	9.66
TSX	lbs											10.0000	1.95	19.50	19.50
Trailer utility	10 Ft	93	1.000	0.23	Apr	2.25	1.62	0.08	0.33	0.253	1.90				6.17
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Bidrin 8EC	pt											0.1000	10.78	1.08	1.08
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.37	0.53	0.088	0.66				3.78
MSMA 6.6	pt											0.9000	2.13	1.92	1.92
Cotoran 4L	qt											0.5000	8.75	4.38	4.38
Surfactant	pt											0.4000	1.34	0.54	0.54
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Bladex 4L	pt											1.0000	3.32	3.32	3.32
Surfactant	pt											0.4000	1.34	0.54	0.54
MSMA 6.6	pt											0.9000	2.13	1.92	1.92
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Bladex 4L	pt											1.5000	3.32	4.98	4.98
Surfactant	pt											0.4000	1.34	0.54	0.54
Boom sprayer	30 ft	93	0.060	1.00	Jul	0.59	0.42	0.14	0.15	0.066	0.50				1.79
Fusilade DX	pt											0.3000	13.80	4.14	4.14
Crop oil	pt											0.3000	0.78	0.23	0.23
Hi-cycle sprayer	60 Ft		0.033	2.00	Jul			1.10	1.75	0.073	0.54				3.39
Larvin 3.2	pt											0.9400	6.24	5.87	5.87
Baythroid	pt											0.2640	48.15	12.71	12.71
Hi-cycle sprayer	60 Ft		0.033	2.00	Aug			1.10	1.75	0.073	0.54				3.39
Asana XL .66EC	pt											0.9700	15.00	14.55	14.55
Larvin 3.2	pt											0.9400	6.24	5.87	5.87
Airplane lo-vol	acre			1.00	Aug							1.0000	2.10	2.10	2.10
Curacron 8E	pt											0.8750	12.55	10.98	10.98
Methyl parathion 4E	pt											0.5000	3.16	1.58	1.58
Airplane lo-vol	acre			1.00	Sep							3.0000	2.10	6.30	6.30
Karate 1E	pt											0.2500	25.63	6.41	6.41
Methyl parathion 4E	pt											1.5000	3.16	4.74	4.74
Airplane hi-vol	acre			1.00	Oct							1.0000	3.15	3.15	3.15
Dropp	lbs											0.2000	53.45	10.69	10.69
Prep	pt											1.3330	5.25	7.00	7.00
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Cotton Picker	4 Row		0.260	1.00	Oct			17.59	22.79	0.286	3.43				43.81
Trailer cotton	10 bale	1\2 ton	1.000	0.25	Nov	1.17	1.01	0.37	0.60	0.250	1.88				5.02
Other labor	hour											0.1250	7.50	0.94	0.94
Module Builder	32 Ft	143	1.000	0.25	Nov	3.45	2.56	2.67	4.41	0.275	2.06				15.15
Other labor	hour											0.1250	7.50	0.94	0.94
Module hauling	bale			1.00	Nov							1.1700	5.00	5.85	5.85
Cotton Picker second	4 Row		0.200	0.50	Nov			6.77	8.76	0.110	1.32				16.85
Stalk cutter	13.3 ft	93	0.130	1.00	Nov	1.27	0.91	0.27	0.78	0.143	1.07				4.31
Ginning cost	lbs			1.00	Nov							800.0000	0.08	64.00	64.00
Insect scout	acre			1.00	Nov							1.0000	7.50	7.50	7.50
TOTALS						28.99	21.83	35.24	48.66	3.057	24.71			282.71	442.14
INTEREST ON OPERATING CAPITAL															13.94
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															456.08

Table 10.A Estimated costs and returns per acre
Cotton, sandy soil, 8-row equipment, solid planted,
tenant-operators, alluvial soils, northeast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton lint	lbs	0.68	800.0000	544.00	
Cottonseed prod	lb	0.05	1240.0000	62.00	
Lint share rent	lbs	0.68	-160.0000	-108.80	
Seed share rent	lbs	0.05	-248.0000	-12.40	
Cotton checkoff	bale	2.31	-1.2500	-2.89	
TOTAL INCOME				481.91	
DIRECT EXPENSES					
CUSTOM					
Airplane lo-vol	acre	2.10	4.0000	8.40	
Airplane hi-vol	acre	3.15	1.0000	3.15	
DEFOLIANT					
Dropp	lbs	53.45	0.2000	10.69	
Prep	pt	5.25	1.3330	7.00	
FERTILIZER					
Nitrogen	lbs	0.26	90.0000	23.40	
FUNGICIDES					
TSX	lbs	1.95	10.0000	19.50	
HERBICIDES					
Treflan 4L	pt	3.75	1.5000	5.63	
Zorial 80DF	lbs	13.31	0.8000	10.65	
Cotoran 4L	qt	8.75	1.1000	9.63	
MSMA 6.6	pt	2.13	1.8000	3.83	
Surfactant	pt	1.34	1.2000	1.61	
Bladex 4L	pt	3.32	2.5000	8.30	
Fusilade DX	pt	13.80	0.3000	4.14	
Crop oil	pt	0.78	0.3000	0.23	
HIRED LABOR					
Other labor	hour	7.50	0.3700	2.78	
INSECTICIDES					
Temik 15G	lbs	2.90	3.3300	9.66	
Bidrin 8EC	pt	10.78	0.1000	1.08	
Baythroid	pt	48.15	0.2640	12.71	
Larvin 3.2	pt	6.24	1.8800	11.73	
Asana XL .66EC	pt	15.00	0.9700	14.55	
Curacron 8E	pt	12.55	0.8750	10.98	
Methyl parathion 4E	pt	3.16	3.0000	9.48	
Karate 1E	pt	25.63	0.2500	6.41	
OTHER					
Module hauling	bale	5.00	0.9300	4.65	
Ginning cost	lbs	0.08	640.0000	51.20	
Insect scout	acre	7.50	1.0000	7.50	
SEED					
Cotton seed	lbs	0.82	12.0000	9.84	
OPERATOR LABOR					
Tractors	hour	7.50	2.5160	18.87	
Self-Propelled Eq.	hour	7.50	0.1452	1.09	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3960	4.75	
DIESEL FUEL					
Tractors	gal	0.85	16.2580	13.82	
Self-Propelled Eq.	gal	0.85	4.1820	3.55	
GASOLINE					
Tractors	gal	1.20	0.6250	0.75	
REPAIR & MAINTENANCE					
Implements	acre	8.68	1.0000	8.68	
Tractors	acre	14.43	1.0000	14.43	
Self-Propelled Eq.	acre	23.00	1.0000	23.00	
INTEREST ON OP. CAP.	acre	13.82	1.0000	13.82	
TOTAL DIRECT EXPENSES				371.48	
RETURNS ABOVE DIRECT EXPENSES				110.44	
FIXED EXPENSES					
Implements	acre	13.61	1.0000	13.61	
Tractors	acre	21.83	1.0000	21.83	
Self-Propelled Eq.	acre	35.04	1.0000	35.04	
TOTAL FIXED EXPENSES				70.49	
TOTAL SPECIFIED EXPENSES				441.97	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				39.95	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	53.46	1.0000	53.46	
RESIDUAL RETURNS				-13.51	

Table 10.B Estimated resource use and costs per acre for field operations
Cotton, sandy soil, 8-row equipment, solid planted,
tenant-operators, alluvial soils, northeast Louisiana, 1997.

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		
Subsoiler	3 shank	168	0.400	1.00	Jan	6.38	4.74	0.45	0.65	0.440	3.30				15.52
Disk	26.6 ft	168	0.070	1.00	Jan	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk	26.6 ft	168	0.070	1.00	Mar	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk + pre	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.57	0.81	0.077	0.58				3.90
Treflan 4L	pt											1.5000	3.75	5.63	5.63
Zorial 80DF	lbs											0.8000	13.31	10.65	10.65
Fertilzer app (R)	20 ft	93	0.090	1.00	Apr	0.47	0.63		0.00	0.099	0.74				1.84
Nitrogen	lbs											90.0000	0.26	23.40	23.40
Hipper	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.23	0.33	0.077	0.58				3.08
Conditioner	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Plant + pre	26.6 ft	168	0.080	1.00	Apr	1.28	0.95	0.75	1.15	0.088	0.66				4.79
Cotoran 4L	pt											0.6000	8.75	5.25	5.25
Cotton seed	lbs											12.0000	0.82	9.84	9.84
Other labor	hour											0.1200	7.50	0.90	0.90
Temik 15G	lbs											3.3300	2.90	9.66	9.66
TSX	lbs											10.0000	1.95	19.50	19.50
Trailer utility	10 Ft	93	1.000	0.23	Apr	2.25	1.62	0.08	0.33	0.253	1.90				6.17
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Bidrin 8EC	pt											0.1000	10.78	1.08	1.08
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.37	0.53	0.088	0.66				3.78
MSMA 6.6	pt											0.9000	2.13	1.92	1.92
Cotoran 4L	pt											0.5000	8.75	4.38	4.38
Surfactant	pt											0.4000	1.34	0.54	0.54
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Bladex 4L	pt											1.0000	3.32	3.32	3.32
Surfactant	pt											0.4000	1.34	0.54	0.54
MSMA 6.6	pt											0.9000	2.13	1.92	1.92
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Bladex 4L	pt											1.5000	3.32	4.98	4.98
Surfactant	pt											0.4000	1.34	0.54	0.54
Boom sprayer	30 ft	93	0.060	1.00	Jul	0.59	0.42	0.14	0.15	0.066	0.50				1.79
Fusilade DX	pt											0.3000	13.80	4.14	4.14
Crop oil	pt											0.3000	0.78	0.23	0.23
Hi-cycle sprayer	60 Ft		0.033	2.00	Jul			1.10	1.75	0.073	0.54				3.39
Baythroid	pt											0.2640	48.15	12.71	12.71
Larvin 3.2	pt											0.9400	6.24	5.87	5.87
Hi-cycle sprayer	60 Ft		0.033	2.00	Aug			1.10	1.75	0.073	0.54				3.39
Asana XL .66EC	pt											0.9700	15.00	14.55	14.55
Larvin 3.2	pt											0.9400	6.24	5.87	5.87
Airplane lo-vol	acre			1.00	Aug							1.0000	2.10	2.10	2.10
Curacron 8E	pt											0.8750	12.55	10.98	10.98
Methyl parathion 4E	pt											0.5000	3.16	1.58	1.58
Airplane lo-vol	acre			1.00	Sep							3.0000	2.10	6.30	6.30
Karate 1E	pt											0.2500	25.63	6.41	6.41
Methyl parathion 4E	pt											1.5000	3.16	4.74	4.74
Airplane hi-vol	acre			1.00	Oct							1.0000	3.15	3.15	3.15
Dropp	lbs											0.2000	53.45	10.69	10.69
Prep	pt											1.3330	5.25	7.00	7.00
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Cotton Picker	4 Row		0.260	1.00	Oct			17.59	22.79	0.286	3.43				43.81
Trailer cotton	10 bale	1\2 ton	1.000	0.25	Nov	1.17	1.01	0.37	0.60	0.250	1.88				5.02
Other labor	hour											0.1250	7.50	0.94	0.94
Module Builder	32 Ft	143	1.000	0.25	Nov	3.45	2.56	2.67	4.41	0.275	2.06				15.15
Other labor	hour											0.1250	7.50	0.94	0.94
Module hauling	bale			1.00	Nov							0.9300	5.00	4.65	4.65
Cotton Picker second	4 Row		0.200	0.50	Nov			6.77	8.76	0.110	1.32				16.85
Stalk cutter	13.3 ft	93	0.130	1.00	Nov	1.27	0.91	0.27	0.78	0.143	1.07				4.31
Ginning cost	lbs			1.00	Nov							640.0000	0.08	51.20	51.20
Insect scout	acre			1.00	Nov							1.0000	7.50	7.50	7.50
TOTALS						28.99	21.83	35.24	48.66	3.057	24.71			268.71	428.14
INTEREST ON OPERATING CAPITAL															13.82
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															441.97

Table 11.A Estimated costs and returns per acre
Cotton, sandy soil, 8-row equipment, (2x1) skip,
owner-operators, alluvial soils, northeast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton lint	lbs	0.68	800.0000	544.00	
Cottonseed prod	lb	0.05	1240.0000	62.00	
Cotton checkoff	bale	2.31	-1.6670	-3.85	
TOTAL INCOME				602.15	
DIRECT EXPENSES					
CUSTOM					
Airplane lo-vol	acre	2.10	4.0000	8.40	
Airplane hi-vol	acre	3.15	1.0000	3.15	
DEFOLIANT					
Dropp	lbs	53.45	0.2000	10.69	
Prep	pt	5.25	1.3330	7.00	
FERTILIZER					
Nitrogen	lbs	0.26	72.0000	18.72	
FUNGICIDES					
TSX	lbs	1.95	7.5000	14.63	
HERBICIDES					
Treflan 4L	pt	3.75	1.5000	5.63	
Zorial 80DF	lbs	13.31	0.8000	10.65	
Cotoran 4L	qt	8.75	0.8250	7.22	
Surfactant	pt	1.34	0.9000	1.21	
MSMA 6.6	pt	2.13	1.3500	2.88	
Bladex 4L	pt	3.32	1.8750	6.23	
Fusilade DX	pt	13.80	0.3000	4.14	
Crop oil	pt	0.78	0.3000	0.23	
HIRED LABOR					
Other labor	hour	7.50	0.2794	2.10	
INSECTICIDES					
Temik 15G	lbs	2.90	2.5000	7.25	
Bidrin 8EC	pt	10.78	0.0750	0.81	
Baythroid	pt	48.15	0.2640	12.71	
Larvin 3.2	pt	6.24	1.8800	11.73	
Asana XL .66EC	pt	15.00	0.9700	14.55	
Curacron 8E	pt	12.55	0.8750	10.98	
Methyl parathion 4E	pt	3.16	3.0000	9.48	
Karate 1E	pt	25.63	0.2500	6.41	
OTHER					
Module hauling	bale	5.00	1.1700	5.85	
Ginning cost	lbs	0.08	800.0000	64.00	
Insect scout	acre	7.50	1.0000	7.50	
SEED					
Cotton seed	lbs	0.82	9.0000	7.38	
OPERATOR LABOR					
Tractors	hour	7.50	2.3853	17.89	
Self-Propelled Eq.	hour	7.50	0.1452	1.09	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2981	3.58	
DIESEL FUEL					
Tractors	gal	0.85	15.8395	13.46	
Self-Propelled Eq.	gal	0.85	3.3276	2.83	
GASOLINE					
Tractors	gal	1.20	0.4700	0.56	
REPAIR & MAINTENANCE					
Implements	acre	7.88	1.0000	7.88	
Tractors	acre	13.94	1.0000	13.94	
Self-Propelled Eq.	acre	17.71	1.0000	17.71	
INTEREST ON OP. CAP.	acre	12.48	1.0000	12.48	
TOTAL DIRECT EXPENSES				352.93	
RETURNS ABOVE DIRECT EXPENSES				249.22	
FIXED EXPENSES					
Implements	acre	12.28	1.0000	12.28	
Tractors	acre	21.05	1.0000	21.05	
Self-Propelled Eq.	acre	27.24	1.0000	27.24	
TOTAL FIXED EXPENSES				60.57	
TOTAL SPECIFIED EXPENSES				413.49	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				188.65	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
Land (Oppor. Cst.)MS	acre	90.00	1.0000	90.00	
RESIDUAL RETURNS				34.17	

Table 11.B Estimated resource use and costs per acre for field operations
Cotton, sandy soil, 8-row equipment, (2x1) skip,
owner-operators, alluvial soils, northeast Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Subsoiler	3 shank	168	0.400	1.00	Jan	6.38	4.74	0.45	0.65	0.440	3.30				15.52
Disk	26.6 ft	168	0.070	1.00	Jan	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk	26.6 ft	168	0.070	1.00	Mar	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk + pre	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.57	0.81	0.077	0.58				3.90
Treflan 4L	pt											1.5000	3.75	5.63	5.63
Zorial 80DF	lbs											0.8000	13.31	10.65	10.65
Fertilzer app (R)	20 ft	93	0.090	1.00	Apr	0.47	0.63		0.00	0.099	0.74				1.84
Nitrogen	lbs											72.0000	0.26	18.72	18.72
Hipper	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.23	0.33	0.077	0.58				3.08
Conditioner	26.6 Ft	168	0.070	1.00	Apr	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Plant + Pre (2x1)	26.6 ft	168	0.080	1.00	Apr	1.28	0.95	0.64	0.99	0.088	0.66				4.51
Cotoran 4L	qt											0.4500	8.75	3.94	3.94
Cotton seed	lbs											9.0000	0.82	7.38	7.38
Other labor	hour											0.1200	7.50	0.90	0.90
Temik 15G	lbs											2.5000	2.90	7.25	7.25
TSX	lbs											7.5000	1.95	14.63	14.63
Trailer utility	10 Ft	93	1.000	0.23	Apr	2.25	1.62	0.08	0.33	0.253	1.90				6.17
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cult + Post(2x1)skip	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.32	0.45	0.088	0.66				3.65
Bidrin 8EC	pt											0.0750	10.78	0.81	0.81
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cult + Post(2x1)skip	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.32	0.45	0.088	0.66				3.65
Cotoran 4L	qt											0.3750	8.75	3.28	3.28
Surfactant	pt											0.3000	1.34	0.40	0.40
MSMA 6.6	pt											0.6750	2.13	1.44	1.44
Cult + Post(2x1)skip	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.32	0.45	0.088	0.66				3.65
Bladex 4L	pt											0.7500	3.32	2.49	2.49
Surfactant	pt											0.3000	1.34	0.40	0.40
MSMA 6.6	pt											0.6750	2.13	1.44	1.44
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cult + Post(2x1)skip	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.32	0.45	0.088	0.66				3.65
Bladex 4L	pt											1.1250	3.32	3.74	3.74
Surfactant	pt											0.3000	1.34	0.40	0.40
Boom sprayer	30 ft	93	0.060	1.00	Jul	0.59	0.42	0.14	0.15	0.066	0.50				1.79
Fusilade DX	pt											0.3000	13.80	4.14	4.14
Crop oil	pt											0.3000	0.78	0.23	0.23
Hi-cycle sprayer	60 Ft		0.033	2.00	Jul			1.10	1.75	0.073	0.54				3.39
Baythroid	pt											0.2640	48.15	12.71	12.71
Larvin 3.2	pt											0.9400	6.24	5.87	5.87
Hi-cycle sprayer	60 Ft		0.033	2.00	Aug			1.10	1.75	0.073	0.54				3.39
Asana XL .66EC	pt											0.9700	15.00	14.55	14.55
Larvin 3.2	pt											0.9400	6.24	5.87	5.87
Airplane lo-vol	acre			1.00	Aug							1.0000	2.10	2.10	2.10
Curacron 8E	pt											0.8750	12.55	10.98	10.98
Methyl parathion 4E	pt											0.5000	3.16	1.58	1.58
Airplane lo-vol	acre			1.00	Sep							3.0000	2.10	6.30	6.30
Karate 1E	pt											0.2500	25.63	6.41	6.41
Methyl parathion 4E	pt											1.5000	3.16	4.74	4.74
Airplane hi-vol	acre			1.00	Oct							1.0000	3.15	3.15	3.15
Dropp	lbs											0.2000	53.45	10.69	10.69
Prep	pt											1.3330	5.25	7.00	7.00
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Cotton Picker	4 Row		0.260	0.75	Oct			13.19	17.09	0.215	2.57				32.86
Trailer cotton	10 bale	1\2 ton	1.000	0.19	Nov	0.88	0.76	0.28	0.45	0.188	1.41				3.77
Other labor	hour											0.0714	7.50	0.54	0.54
Module Builder	32 Ft	143	1.000	0.22	Nov	3.04	2.25	2.35	3.88	0.242	1.82				13.33
Other labor	hour											0.0880	7.50	0.66	0.66
Module hauling	bale			1.00	Nov							1.1700	5.00	5.85	5.85
Cotton Picker second	4 Row		0.200	0.38	Nov			5.14	6.66	0.084	1.00				12.81
Stalk cutter	13.3 ft	93	0.130	0.75	Nov	0.95	0.68	0.21	0.59	0.107	0.80				3.23
Ginning cost	lbs			1.00	Nov							800.0000	0.08	64.00	64.00
Insect scout	acre			1.00	Nov							1.0000	7.50	7.50	7.50
TOTALS						27.97	21.05	28.42	39.52	2.829	22.56			261.50	401.01
INTEREST ON OPERATING CAPITAL															12.48
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															413.49

Table 12.A Estimated costs and returns per acre
Cotton, clay soil, 8-row equipment, reduced tillage,
owner-operators, alluvial soils, northeast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton lint	lbs	0.68	650.0000	442.00	
Cottonseed prod	lb	0.05	1000.0000	50.00	
Cotton checkoff	bale	2.31	-1.3540	-3.13	
TOTAL INCOME				488.87	
DIRECT EXPENSES					
CUSTOM					
Airplane hi-vol	acre	3.15	2.0000	6.30	
Airplane lo-vol	acre	2.10	4.0000	8.40	
DEFOLIANT					
Dropp	lbs	53.45	0.2000	10.69	
Prep	pt	5.25	1.3330	7.00	
FERTILIZER					
Nitrogen	lbs	0.26	110.0000	28.60	
FUNGICIDES					
TSX	lbs	1.95	10.0000	19.50	
HERBICIDES					
Roundup	pt	6.13	0.6300	3.86	
Surfactant	pt	1.34	1.6000	2.14	
Gramoxone extra	pt	3.88	1.5000	5.82	
Cotoran 4L	qt	8.75	2.0000	17.50	
Dual 8E	pt	7.85	2.0000	15.70	
MSMA 6.6	pt	2.13	1.8000	3.83	
Bladex 4L	pt	3.32	3.0000	9.96	
Fusilade DX	pt	13.80	0.3000	4.14	
Crop oil	pt	0.78	0.3000	0.23	
HIRED LABOR					
Other labor	hour	7.50	0.2500	1.88	
INSECTICIDES					
Temik 15G	lbs	2.90	3.3300	9.66	
Bidrin 8EC	pt	10.78	0.1000	1.08	
Baythroid	pt	48.15	0.2640	12.71	
Larvin 3.2	pt	6.24	1.8800	11.73	
Asana XL .66EC	pt	15.00	0.9700	14.55	
Curacron 8E	pt	12.55	0.8750	10.98	
Methyl parathion 4E	pt	3.16	3.0000	9.48	
Karate 1E	pt	25.63	0.2500	6.41	
OTHER					
Module hauling	bale	5.00	0.9500	4.75	
Ginning cost	lbs	0.08	650.0000	52.00	
Insect scout	acre	7.50	1.0000	7.50	
SEED					
Cotton seed	lbs	0.82	12.0000	9.84	
OPERATOR LABOR					
Tractors	hour	7.50	1.8120	13.59	
Self-Propelled Eq.	hour	7.50	0.1452	1.09	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.7480	8.98	
DIESEL FUEL					
Tractors	gal	0.85	9.7920	8.32	
Self-Propelled Eq.	gal	0.85	6.1520	5.23	
GASOLINE					
Tractors	gal	1.20	0.6250	0.75	
REPAIR & MAINTENANCE					
Implements	acre	6.56	1.0000	6.56	
Tractors	acre	9.35	1.0000	9.35	
Self-Propelled Eq.	acre	28.24	1.0000	28.24	
INTEREST ON OP. CAP.	acre	14.01	1.0000	14.01	
TOTAL DIRECT EXPENSES				392.36	
RETURNS ABOVE DIRECT EXPENSES				96.51	
FIXED EXPENSES					
Implements	acre	10.55	1.0000	10.55	
Tractors	acre	13.96	1.0000	13.96	
Self-Propelled Eq.	acre	42.75	1.0000	42.75	
TOTAL FIXED EXPENSES				67.26	
TOTAL SPECIFIED EXPENSES				459.62	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				29.25	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
Land (Oppor. Cst.)MS	acre	30.00	1.0000	30.00	
RESIDUAL RETURNS				-65.23	

Table 12.B Estimated resource use and costs per acre for field operations
Cotton, clay soil, 8-row equipment, reduced tillage,
owner-operators, alluvial soils, northeast Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Airplane hi-vol	acre			1.00	Mar							1.0000	3.15	3.15	3.15
Roundup	pt											0.6300	6.13	3.86	3.86
Surfactant	pt											0.4000	1.34	0.54	0.54
Boom sprayer	30 ft	93	0.060	1.00	Apr	0.59	0.42	0.14	0.15	0.066	0.50				1.79
Gramoxone extra	pt											1.5000	3.88	5.82	5.82
Surfactant	pt											0.4000	1.34	0.54	0.54
Fertilzer app (R)	20 ft	93	0.090	1.00	Apr	0.47	0.63		0.00	0.099	0.74				1.84
Nitrogen	lbs											110.0000	0.26	28.60	28.60
Plant + pre	26.6 Ft	168	0.080	1.00	Apr	1.28	0.95	0.75	1.15	0.088	0.66				4.79
Cotoran 4L	qt											1.5000	8.75	13.13	13.13
Cotton seed	lbs											12.0000	0.82	9.84	9.84
Dual 8E	pt											2.0000	7.85	15.70	15.70
Temik 15G	lbs											3.3300	2.90	9.66	9.66
TSX	lbs											10.0000	1.95	19.50	19.50
Trailer utility	10 Ft	93	1.000	0.23	Apr	2.25	1.62	0.08	0.33	0.253	1.90				6.17
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.37	0.53	0.088	0.66				3.78
MSMA 6.6	pt											0.9000	2.13	1.92	1.92
Cotoran 4L	qt											0.5000	8.75	4.38	4.38
Surfactant	pt											0.4000	1.34	0.54	0.54
Bidrin 8EC	pt											0.1000	10.78	1.08	1.08
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Bladex 4L	pt											3.0000	3.32	9.96	9.96
Surfactant	pt											0.4000	1.34	0.54	0.54
MSMA 6.6	pt											0.9000	2.13	1.92	1.92
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Boom sprayer	30 ft	93	0.060	1.00	Jul	0.59	0.42	0.14	0.15	0.066	0.50				1.79
Fusilade DX	pt											0.3000	13.80	4.14	4.14
Crop oil	pt											0.3000	0.78	0.23	0.23
Hi-cycle sprayer	60 Ft		0.033	2.00	Jul			1.10	1.75	0.073	0.54				3.39
Baythroid	pt											0.2640	48.15	12.71	12.71
Larvin 3.2	pt											0.9400	6.24	5.87	5.87
Hi-cycle sprayer	60 Ft		0.033	2.00	Aug			1.10	1.75	0.073	0.54				3.39
Asana XL ¿66EC	pt											0.9700	15.00	14.55	14.55
Larvin 3.2	pt											0.9400	6.24	5.87	5.87
Airplane lo-vol	acre			1.00	Aug							1.0000	2.10	2.10	2.10
Curacron 8E	pt											0.8750	12.55	10.98	10.98
Methyl parathion 4E	pt											0.5000	3.16	1.58	1.58
Airplane lo-vol	acre			1.00	Sep							3.0000	2.10	6.30	6.30
Karate 1E	pt											0.2500	25.63	6.41	6.41
Methyl parathion 4E	pt											1.5000	3.16	4.74	4.74
Airplane hi-vol	acre			1.00	Oct							1.0000	3.15	3.15	3.15
Dropp	lbs											0.2000	53.45	10.69	10.69
Prep	pt											1.3330	5.25	7.00	7.00
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Cotton Picker	2 Row		0.580	1.00	Oct			24.50	30.50	0.638	7.66				62.66
Trailer cotton	10 bale	1\2 ton	1.000	0.25	Nov	1.17	1.01	0.37	0.60	0.250	1.88				5.02
Other labor	hour											0.1250	7.50	0.94	0.94
Module Builder	32 Ft	143	1.000	0.25	Nov	3.45	2.56	2.67	4.41	0.275	2.06				15.15
Other labor	hour											0.1250	7.50	0.94	0.94
Cotton Picker second	4 Row		0.200	0.50	Nov			6.77	8.76	0.110	1.32				16.85
Module hauling	bale			1.00	Nov							0.9500	5.00	4.75	4.75
Stalk cutter	13.3 ft	93	0.130	1.00	Nov	1.27	0.91	0.27	0.78	0.143	1.07				4.31
Ginning cost	lbs			1.00	Nov							650.0000	0.08	52.00	52.00
Insect scout	acre			1.00	Nov							1.0000	7.50	7.50	7.50
Disk	26.6 ft	168	0.070	1.00	Nov	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Hipper	26.6 ft	168	0.070	1.00	Nov	1.12	0.83	0.23	0.33	0.077	0.58				3.08
Conditioner	26.6 Ft	168	0.070	1.00	Nov	1.12	0.83	0.39	0.49	0.077	0.58				3.39
TOTALS						18.42	13.96	40.03	53.30	2.705	23.66			296.24	445.61
INTEREST ON OPERATING CAPITAL															14.01
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															459.62

Table 13.A Estimated costs and returns per acre
Cotton, silty soil, 8-row equipment, solid planted,
owner-operators, Macon Ridge Area, Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton lint	lbs	0.68	650.0000	442.00	
Cottonseed prod	lb	0.05	1008.0000	50.40	
Cotton checkoff	bale	2.31	-1.3540	-3.13	
TOTAL INCOME				489.27	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	
Airplane lo-vol	acre	2.10	7.0000	14.70	
Airplane hi-vol	acre	3.15	1.0000	3.15	
DEFOLIANT					
Def	pt	5.13	0.7500	3.85	
Dropp	lbs	53.45	0.1500	8.02	
FERTILIZER					
Lime (spread)	ton	32.00	0.2500	8.00	
Nitrogen	lbs	0.26	90.0000	23.40	
Phosphate	lbs	0.21	50.0000	10.50	
Potash	lbs	0.12	60.0000	7.20	
Boron	lbs	0.55	1.0000	0.55	
FUNGICIDES					
TSX	lbs	1.95	10.0000	19.50	
HERBICIDES					
Treflan 4L	pt	3.75	1.2500	4.69	
Cotoran 4L	qt	8.75	1.0000	8.75	
Zorial 80DF	lbs	13.31	0.8000	10.65	
DSMA 4L	pt	0.96	2.5000	2.40	
Surfactant	pt	1.34	1.2000	1.61	
Caparol 4L	qt	7.61	0.3000	2.28	
MSMA 6.6	pt	2.13	1.8000	3.83	
Karmex	lbs	4.15	0.2000	0.83	
Fusilade DX	pt	13.80	0.2000	2.76	
Crop oil	pt	0.78	0.2000	0.16	
HIRED LABOR					
Other labor	hour	7.50	0.2500	1.88	
INSECTICIDES					
Temik 15G	lbs	2.90	3.3300	9.66	
Bidrin 8EC	pt	10.78	0.1000	1.08	
Karate 1E	pt	25.63	0.2500	6.41	
Larvin 3.2	pt	6.24	0.9400	5.87	
Curacron 8E	pt	12.55	0.8750	10.98	
Asana XL .66EC	pt	15.00	0.9780	14.67	
Methyl parathion 4E	pt	3.16	2.0000	6.32	
Scout x-tra .9EC	pt	35.00	0.3600	12.60	
OTHER					
Module hauling	bale	5.00	0.9500	4.75	
Ginning cost	lbs	0.08	650.0000	52.00	
Insect scout	acre	7.50	1.0000	7.50	
SEED					
Cotton seed	lbs	0.82	12.0000	9.84	
OPERATOR LABOR					
Tractors	hour	7.50	2.0980	15.74	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3960	4.75	
DIESEL FUEL					
Tractors	gal	0.85	12.8300	10.91	
Self-Propelled Eq.	gal	0.85	3.4560	2.94	
GASOLINE					
Tractors	gal	1.20	0.6250	0.75	
REPAIR & MAINTENANCE					
Implements	acre	8.12	1.0000	8.12	
Tractors	acre	11.65	1.0000	11.65	
Self-Propelled Eq.	acre	21.42	1.0000	21.42	
INTEREST ON OP. CAP.	acre	14.46	1.0000	14.46	
TOTAL DIRECT EXPENSES				374.65	
RETURNS ABOVE DIRECT EXPENSES				114.62	
FIXED EXPENSES					
Implements	acre	12.87	1.0000	12.87	
Tractors	acre	17.62	1.0000	17.62	
Self-Propelled Eq.	acre	31.55	1.0000	31.55	
TOTAL FIXED EXPENSES				62.04	
TOTAL SPECIFIED EXPENSES				436.69	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				52.58	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
Land (Oppor. Cst.)MR	acre	65.00	1.0000	65.00	
RESIDUAL RETURNS				-76.90	

Table 13.B Estimated resource use and costs per acre for field operations
Cotton, silty soil, 8-row equipment, solid planted,
owner-operators, Macon Ridge Area, Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Lime (spread)	ton			1.00	Jan							0.2500	32.00	8.00	8.00
Chisel plow	20 ft	168	0.090	1.00	Jan	1.43	1.07	0.24	0.34	0.099	0.74				3.82
Disk	26.6 ft	168	0.070	1.00	Jan	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk	26.6 ft	168	0.070	1.00	Mar	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Field cult + pre	32 ft	168	0.060	1.00	Apr	0.96	0.71	0.37	0.53	0.066	0.50				3.06
Treflan 4L	pt											1.2500	3.75	4.69	4.69
Fertilizer Truck	acre			1.00	Apr							1.0000	3.55	3.55	3.55
Nitrogen	lbs											20.0000	0.26	5.20	5.20
Phosphate	lbs											50.0000	0.21	10.50	10.50
Potash	lbs											60.0000	0.12	7.20	7.20
Boron	lbs											1.0000	0.55	0.55	0.55
Hipper	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.23	0.33	0.077	0.58				3.08
Conditioner	26.6 Ft	168	0.070	1.00	Apr	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Plant + pre	26.6 Ft	168	0.080	1.00	Apr	1.28	0.95	0.75	1.15	0.088	0.66				4.79
Cotoran 4L	qt											0.5000	8.75	4.38	4.38
Zorial 80DF	lbs											0.8000	13.31	10.65	10.65
Cotton seed	lbs											12.0000	0.82	9.84	9.84
Temik 15G	lbs											3.3300	2.90	9.66	9.66
TSX	lbs											10.0000	1.95	19.50	19.50
Trailer utility	10 Ft	93	1.000	0.23	Apr	2.25	1.62	0.08	0.33	0.253	1.90				6.17
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Cotoran 4L	qt											0.5000	8.75	4.38	4.38
DSMA 4L	pt											2.5000	0.96	2.40	2.40
Surfactant	pt											0.4000	1.34	0.54	0.54
Fertilzer app (R)	20 ft	93	0.090	1.00	May	0.47	0.63		0.00	0.099	0.74				1.84
Nitrogen	lbs											70.0000	0.26	18.20	18.20
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Bidrin 8EC	pt											0.1000	10.78	1.08	1.08
Caparol 4L	qt											0.3000	7.61	2.28	2.28
MSMA 6.6	pt											0.9000	2.13	1.92	1.92
Surfactant	pt											0.4000	1.34	0.54	0.54
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Karmex	lbs											0.2000	4.15	0.83	0.83
MSMA 6.6	pt											0.9000	2.13	1.92	1.92
Surfactant	pt											0.4000	1.34	0.54	0.54
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Fusilade DX	pt											0.2000	13.80	2.76	2.76
Crop oil	pt											0.2000	0.78	0.16	0.16
Airplane lo-vol	acre			1.00	Jul							2.0000	2.10	4.20	4.20
Karate 1E	pt											0.2500	25.63	6.41	6.41
Larvin 3.2	pt											0.9400	6.24	5.87	5.87
Airplane lo-vol	acre			1.00	Aug							1.0000	2.10	2.10	2.10
Curacron 8E	pt											0.8750	12.55	10.98	10.98
Airplane lo-vol	acre			1.00	Aug							2.0000	2.10	4.20	4.20
Asana XL .66EC	pt											0.9780	15.00	14.67	14.67
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Airplane lo-vol	acre			1.00	Sep							2.0000	2.10	4.20	4.20
Scout x-tra .9EC	pt											0.3600	35.00	12.60	12.60
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Airplane hi-vol	acre			1.00	Oct							1.0000	3.15	3.15	3.15
Def	pt											0.7500	5.13	3.85	3.85
Dropp	lbs											0.1500	53.45	8.02	8.02
Cotton Picker	4 Row		0.260	1.00	Oct			17.59	22.79	0.286	3.43				43.81
Trailer cotton	10 bale	1\2 ton	1.000	0.25	Nov	1.17	1.01	0.37	0.60	0.250	1.88				5.02
Other labor	hour											0.1250	7.50	0.94	0.94
Module Builder	32 Ft	143	1.000	0.25	Nov	3.45	2.56	2.67	4.41	0.275	2.06				15.15
Other labor	hour											0.1250	7.50	0.94	0.94
Module hauling	bale			1.00	Nov							0.9500	5.00	4.75	4.75
Cotton Picker second	4 Row		0.200	0.50	Nov			6.77	8.76	0.110	1.32				16.85
Stalk cutter	13.3 ft	93	0.130	1.00	Nov	1.27	0.91	0.27	0.78	0.143	1.07				4.31
Ginning cost	lbs			1.00	Nov							650.0000	0.08	52.00	52.00
Insect scout	acre			1.00	Nov							1.0000	7.50	7.50	7.50
TOTALS						23.31	17.62	32.48	44.42	2.494	20.49			283.92	422.23
INTEREST ON OPERATING CAPITAL															14.46
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															436.69

Table 14.A Estimated costs and returns per acre
Cotton, silty soil, 8-row equipment, solid planted,
tenant-operators, Macon Ridge Area, Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton lint	lbs	0.68	650.0000	442.00	
Cottonseed prod	lb	0.05	1008.0000	50.40	
Lint share rent	lbs	0.68	-130.0000	-88.40	
Seed share rent	lbs	0.05	-202.0000	-10.10	
Cotton checkoff	bale	2.31	-1.0800	-2.49	
TOTAL INCOME				391.41	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	
Airplane lo-vol	acre	2.10	7.0000	14.70	
Airplane hi-vol	acre	3.15	1.0000	3.15	
DEFOLIANT					
Def	pt	5.13	0.7500	3.85	
Dropp	lbs	53.45	0.1500	8.02	
FERTILIZER					
Lime (spread)	ton	32.00	0.2500	8.00	
Nitrogen	lbs	0.26	90.0000	23.40	
Phosphate	lbs	0.21	50.0000	10.50	
Potash	lbs	0.12	60.0000	7.20	
Boron	lbs	0.55	1.0000	0.55	
FUNGICIDES					
TSX	lbs	1.95	10.0000	19.50	
HERBICIDES					
Treflan 4L	pt	3.75	1.2500	4.69	
Cotoran 4L	qt	8.75	1.0000	8.75	
Zorial 80DF	lbs	13.31	0.8000	10.65	
DSMA 4L	pt	0.96	2.5000	2.40	
Surfactant	pt	1.34	1.2000	1.61	
Caparol 4L	qt	7.61	0.3000	2.28	
MSMA 6.6	pt	2.13	1.8000	3.83	
Karmex	lbs	4.15	0.2000	0.83	
Fusilade DX	pt	13.80	0.2000	2.76	
Crop oil	pt	0.78	0.2000	0.16	
HIRED LABOR					
Other labor	hour	7.50	0.2500	1.88	
INSECTICIDES					
Temik 15G	lbs	2.90	3.3300	9.66	
Bidrin 8EC	pt	10.78	0.1000	1.08	
Karate 1E	pt	25.63	0.2500	6.41	
Larvin 3.2	pt	6.24	0.9400	5.87	
Curacron 8E	pt	12.55	0.8750	10.98	
Asana XL .66EC	pt	15.00	0.9780	14.67	
Methyl parathion 4E	pt	3.16	2.0000	6.32	
Scout x-tra .9EC	pt	35.00	0.3600	12.60	
OTHER					
Module hauling	bale	5.00	0.7600	3.80	
Ginning cost	lbs	0.08	520.0000	41.60	
Insect scout	acre	7.50	1.0000	7.50	
SEED					
Cotton seed	lbs	0.82	12.0000	9.84	
OPERATOR LABOR					
Tractors	hour	7.50	2.0980	15.74	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3960	4.75	
DIESEL FUEL					
Tractors	gal	0.85	12.8300	10.91	
Self-Propelled Eq.	gal	0.85	3.4560	2.94	
GASOLINE					
Tractors	gal	1.20	0.6250	0.75	
REPAIR & MAINTENANCE					
Implements	acre	8.12	1.0000	8.12	
Tractors	acre	11.65	1.0000	11.65	
Self-Propelled Eq.	acre	21.42	1.0000	21.42	
INTEREST ON OP. CAP.	acre	14.36	1.0000	14.36	
TOTAL DIRECT EXPENSES				363.20	
RETURNS ABOVE DIRECT EXPENSES				28.20	
FIXED EXPENSES					
Implements	acre	12.87	1.0000	12.87	
Tractors	acre	17.62	1.0000	17.62	
Self-Propelled Eq.	acre	31.55	1.0000	31.55	
TOTAL FIXED EXPENSES				62.04	
TOTAL SPECIFIED EXPENSES				425.25	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-33.84	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	53.46	1.0000	53.46	
RESIDUAL RETURNS				-87.30	

Table 14.B Estimated resource use and costs per acre for field operations
Cotton, silty soil, 8-row equipment, solid planted,
tenant-operators, Macon Ridge Area, Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Lime (spread)	ton			1.00	Jan							0.2500	32.00	8.00	8.00
Chisel plow	20 ft	168	0.090	1.00	Jan	1.43	1.07	0.24	0.34	0.099	0.74				3.82
Disk	26.6 ft	168	0.070	1.00	Jan	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk	26.6 ft	168	0.070	1.00	Mar	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Field cult + pre	32 ft	168	0.060	1.00	Apr	0.96	0.71	0.37	0.53	0.066	0.50				3.06
Treflan 4L	pt											1.2500	3.75	4.69	4.69
Fertilizer Truck	acre			1.00	Apr							1.0000	3.55	3.55	3.55
Nitrogen	lbs											20.0000	0.26	5.20	5.20
Phosphate	lbs											50.0000	0.21	10.50	10.50
Potash	lbs											60.0000	0.12	7.20	7.20
Boron	lbs											1.0000	0.55	0.55	0.55
Hipper	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.23	0.33	0.077	0.58				3.08
Conditioner	26.6 Ft	168	0.070	1.00	Apr	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Plant + pre	26.6 Ft	168	0.080	1.00	Apr	1.28	0.95	0.75	1.15	0.088	0.66				4.79
Cotoran 4L	qt											0.5000	8.75	4.38	4.38
Zorial 80DF	lbs											0.8000	13.31	10.65	10.65
Cotton seed	lbs											12.0000	0.82	9.84	9.84
Temik 15G	lbs											3.3300	2.90	9.66	9.66
TSX	lbs											10.0000	1.95	19.50	19.50
Trailer utility	10 Ft	93	1.000	0.23	Apr	2.25	1.62	0.08	0.33	0.253	1.90				6.17
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Cotoran 4L	qt											0.5000	8.75	4.38	4.38
DSMA 4L	pt											2.5000	0.96	2.40	2.40
Surfactant	pt											0.4000	1.34	0.54	0.54
Fertilzer app (R)	20 ft	93	0.090	1.00	May	0.47	0.63		0.00	0.099	0.74				1.84
Nitrogen	lbs											70.0000	0.26	18.20	18.20
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Bidrin 8EC	pt											0.1000	10.78	1.08	1.08
Caparol 4L	qt											0.3000	7.61	2.28	2.28
MSMA 6.6	pt											0.9000	2.13	1.92	1.92
Surfactant	pt											0.4000	1.34	0.54	0.54
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Karmex	lbs											0.2000	4.15	0.83	0.83
MSMA 6.6	pt											0.9000	2.13	1.92	1.92
Surfactant	pt											0.4000	1.34	0.54	0.54
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Fusilade DX	pt											0.2000	13.80	2.76	2.76
Crop oil	pt											0.2000	0.78	0.16	0.16
Airplane lo-vol	acre			1.00	Jul							2.0000	2.10	4.20	4.20
Karate 1E	pt											0.2500	25.63	6.41	6.41
Larvin 3.2	pt											0.9400	6.24	5.87	5.87
Airplane lo-vol	acre			1.00	Aug							1.0000	2.10	2.10	2.10
Curacron 8E	pt											0.8750	12.55	10.98	10.98
Airplane lo-vol	acre			1.00	Aug							2.0000	2.10	4.20	4.20
Asana XL .66EC	pt											0.9780	15.00	14.67	14.67
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Airplane lo-vol	acre			1.00	Sep							2.0000	2.10	4.20	4.20
Scout x-tra .9EC	pt											0.3600	35.00	12.60	12.60
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Airplane hi-vol	acre			1.00	Oct							1.0000	3.15	3.15	3.15
Def	pt											0.7500	5.13	3.85	3.85
Dropp	lbs											0.1500	53.45	8.02	8.02
Cotton Picker	4 Row		0.260	1.00	Oct			17.59	22.79	0.286	3.43				43.81
Trailer cotton	10 bale	1\2 ton	1.000	0.25	Nov	1.17	1.01	0.37	0.60	0.250	1.88				5.02
Other labor	hour											0.1250	7.50	0.94	0.94
Module Builder	32 Ft	143	1.000	0.25	Nov	3.45	2.56	2.67	4.41	0.275	2.06				15.15
Other labor	hour											0.1250	7.50	0.94	0.94
Cotton Picker second	4 Row		0.200	0.50	Nov			6.77	8.76	0.110	1.32				16.85
Module hauling	bale			1.00	Nov							0.7600	5.00	3.80	3.80
Stalk cutter	13.3 ft	93	0.130	1.00	Nov	1.27	0.91	0.27	0.78	0.143	1.07				4.31
Ginning cost	lbs			1.00	Nov							520.0000	0.08	41.60	41.60
Insect scout	acre			1.00	Nov							1.0000	7.50	7.50	7.50
TOTALS						23.31	17.62	32.48	44.42	2.494	20.49			272.57	410.88
INTEREST ON OPERATING CAPITAL															14.36
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															425.25

Table 15.A Estimated costs and returns per acre
Cotton, silty soil, 6-row equipment, reduced tillage,
owner-operators, Macon Ridge Area, Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton lint	lbs	0.68	600.0000	408.00	
Cottonseed prod	lb	0.05	930.0000	46.50	
Cotton checkoff	bale	2.31	-1.2500	-2.89	
TOTAL INCOME				451.61	
DIRECT EXPENSES					
CUSTOM					
Airplane hi-vol	acre	3.15	2.0000	6.30	
Fertilizer Truck	acre	3.55	1.0000	3.55	
Airplane lo-vol	acre	2.10	7.0000	14.70	
DEFOLIANT					
Def	pt	5.13	0.7500	3.85	
Dropp	lbs	53.45	0.1500	8.02	
FERTILIZER					
Lime (spread)	ton	32.00	0.2500	8.00	
Nitrogen	lbs	0.26	90.0000	23.40	
Phosphate	lbs	0.21	50.0000	10.50	
Potash	lbs	0.12	60.0000	7.20	
Boron	lbs	0.55	1.0000	0.55	
FUNGICIDES					
TSX	lbs	1.95	10.0000	19.50	
HERBICIDES					
Roundup	pt	6.13	0.6300	3.86	
Goal	pt	8.54	1.7500	14.95	
Surfactant	pt	1.34	1.6000	2.14	
Cotoran 4L	qt	8.75	1.0000	8.75	
Zorial 80DF	lbs	13.31	0.8000	10.65	
DSMA 4L	pt	0.96	2.5000	2.40	
Caparol 4L	qt	7.61	0.3000	2.28	
MSMA 6.6	pt	2.13	1.8000	3.83	
Karmex	lbs	4.15	0.2000	0.83	
Fusilade DX	pt	13.80	0.2000	2.76	
Crop oil	pt	0.78	0.2000	0.16	
HIRED LABOR					
Other labor	hour	7.50	0.2500	1.88	
INSECTICIDES					
Temik 15G	lbs	2.90	3.3300	9.66	
Bidrin 8EC	pt	10.78	0.1000	1.08	
Karate 1E	pt	25.63	0.2500	6.41	
Larvin 3.2	pt	6.24	0.9400	5.87	
Curacron 8E	pt	12.55	0.8750	10.98	
Asana XL .66EC	pt	15.00	0.9700	14.55	
Methyl parathion 4E	pt	3.16	2.0000	6.32	
Scout x-tra .9EC	pt	35.00	0.3600	12.60	
OTHER					
Module hauling	bale	5.00	0.9500	4.75	
Ginning cost	lbs	0.08	650.0000	52.00	
Insect scout	acre	7.50	1.0000	7.50	
SEED					
Cotton seed	lbs	0.82	12.0000	9.84	
OPERATOR LABOR					
Implements	hour	7.50	0.1100	0.83	
Tractors	hour	7.50	2.0870	15.65	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3960	4.75	
DIESEL FUEL					
Tractors	gal	0.85	11.4210	9.71	
Self-Propelled Eq.	gal	0.85	3.4560	2.94	
GASOLINE					
Tractors	gal	1.20	0.6250	0.75	
REPAIR & MAINTENANCE					
Implements	acre	6.94	1.0000	6.94	
Tractors	acre	10.95	1.0000	10.95	
Self-Propelled Eq.	acre	21.42	1.0000	21.42	
INTEREST ON OP. CAP.	acre	15.51	1.0000	15.51	
TOTAL DIRECT EXPENSES				391.04	
RETURNS ABOVE DIRECT EXPENSES				60.57	
FIXED EXPENSES					
Implements	acre	11.18	1.0000	11.18	
Tractors	acre	16.18	1.0000	16.18	
Self-Propelled Eq.	acre	31.55	1.0000	31.55	
TOTAL FIXED EXPENSES				58.91	
TOTAL SPECIFIED EXPENSES				449.96	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				1.66	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
Land (Oppor. Cst.)MR	acre	65.00	1.0000	65.00	
RESIDUAL RETURNS				-127.82	

Table 15.B Estimated resource use and costs per acre for field operations
Cotton, silty soil, 6-row equipment, reduced tillage,
owner-operators, Macon Ridge Area, Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Lime (spread)	ton			1.00	Jan							0.2500	32.00	8.00	8.00
Airplane hi-vol	acre			1.00	Mar							1.0000	3.15	3.15	3.15
Roundup	pt											0.6300	6.13	3.86	3.86
Goal	pt											1.7500	8.54	14.95	14.95
Surfactant	pt											0.4000	1.34	0.54	0.54
Fertilizer Truck	acre			1.00	Apr							1.0000	3.55	3.55	3.55
Nitrogen	lbs											20.0000	0.26	5.20	5.20
Phosphate	lbs											50.0000	0.21	10.50	10.50
Potash	lbs											60.0000	0.12	7.20	7.20
Boron	lbs											1.0000	0.55	0.55	0.55
Hipper	20 ft	143	0.090	1.00	Apr	1.24	0.92	0.23	0.32	0.099	0.74				3.45
Hipper	20 ft	143	0.090	1.00	Apr	1.24	0.92	0.23	0.32	0.099	0.74				3.45
Conditioner	20 ft	143	0.090	1.00	Apr	1.24	0.92	0.43	0.54	0.099	0.74				3.88
Plant + pre	20 Ft	143	0.110	1.00	Apr	1.52	1.13	0.82	1.26	0.231	1.73				6.46
Cotoran 4L	qt											0.5000	8.75	4.38	4.38
Zorial 80DF	lbs											0.8000	13.31	10.65	10.65
Cotton seed	lbs											12.0000	0.82	9.84	9.84
Temik 15G	lbs											3.3300	2.90	9.66	9.66
TSX	lbs											10.0000	1.95	19.50	19.50
Trailer utility	10 Ft	93	1.000	0.23	Apr	2.25	1.62	0.08	0.33	0.253	1.90				6.17
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	20 ft	143	0.110	1.00	May	1.52	1.13	0.39	0.55	0.121	0.91				4.49
Cotoran 4L	qt											0.5000	8.75	4.38	4.38
DSMA 4L	pt											2.5000	0.96	2.40	2.40
Surfactant	pt											0.4000	1.34	0.54	0.54
Fertilzer app (R)	20 ft	93	0.090	1.00	May	0.47	0.63		0.00	0.099	0.74				1.84
Nitrogen	lbs											70.0000	0.26	18.20	18.20
Cultivate + Post	20 ft	143	0.110	1.00	May	1.52	1.13	0.39	0.55	0.121	0.91				4.49
Bidrin 8EC	pt											0.1000	10.78	1.08	1.08
Caparol 4L	qt											0.3000	7.61	2.28	2.28
MSMA 6.6	pt											0.9000	2.13	1.92	1.92
Surfactant	pt											0.4000	1.34	0.54	0.54
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	20 ft	143	0.110	1.00	Jun	1.52	1.13	0.39	0.55	0.121	0.91				4.49
Karmex	lbs											0.2000	4.15	0.83	0.83
MSMA 6.6	pt											0.9000	2.13	1.92	1.92
Surfactant	pt											0.4000	1.34	0.54	0.54
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	20 ft	143	0.110	1.00	Jun	1.52	1.13	0.39	0.55	0.121	0.91				4.49
Fusilade DX	pt											0.2000	13.80	2.76	2.76
Crop oil	pt											0.2000	0.78	0.16	0.16
Airplane lo-vol	acre			1.00	Jul							2.0000	2.10	4.20	4.20
Karate 1E	pt											0.2500	25.63	6.41	6.41
Larvin 3.2	pt											0.9400	6.24	5.87	5.87
Airplane lo-vol	acre			1.00	Aug							1.0000	2.10	2.10	2.10
Curacron 8E	pt											0.8750	12.55	10.98	10.98
Airplane lo-vol	acre			1.00	Aug							2.0000	2.10	4.20	4.20
Asana XL .66EC	pt											0.9700	15.00	14.55	14.55
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Airplane lo-vol	acre			1.00	Sep							2.0000	2.10	4.20	4.20
Scout x-tra .9EC	pt											0.3600	35.00	12.60	12.60
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Airplane hi-vol	acre			1.00	Oct							1.0000	3.15	3.15	3.15
Def	pt											0.7500	5.13	3.85	3.85
Dropp	lbs											0.1500	53.45	8.02	8.02
Cotton Picker	4 Row		0.260	1.00	Oct			17.59	22.79	0.286	3.43				43.81
Trailer cotton	10 bale	1\2 ton	1.000	0.25	Nov	1.17	1.01	0.37	0.60	0.250	1.88				5.02
Other labor	hour											0.1250	7.50	0.94	0.94
Module Builder	32 Ft	143	1.000	0.25	Nov	3.45	2.56	2.67	4.41	0.275	2.06				15.15
Other labor	hour											0.1250	7.50	0.94	0.94
Cotton Picker second	4 Row		0.200	0.50	Nov			6.77	8.76	0.110	1.32				16.85
Module hauling	bale			1.00	Nov							0.9500	5.00	4.75	4.75
Stalk cutter	13.3 ft	93	0.130	1.00	Nov	1.27	0.91	0.27	0.78	0.143	1.07				4.31
Ginning cost	lbs			1.00	Nov							650.0000	0.08	52.00	52.00
Insect scout	acre			1.00	Nov							1.0000	7.50	7.50	7.50
TOTALS						21.41	16.18	31.29	42.73	2.593	21.23			301.60	434.44
INTEREST ON OPERATING CAPITAL															15.51
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															449.96

Table 16.A Estimated costs and returns per acre
Cotton, poly pipe irrigation, silty soil, 8-row equip., solid planted, owner-operators, Macon Ridge Area, Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton lint	lbs	0.68	840.0000	571.20	
Cottonseed prod	lb	0.05	1302.0000	65.10	
Cotton checkoff	bale	2.31	-1.7500	-4.04	
TOTAL INCOME				632.26	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	
Airplane lo-vol	acre	2.10	9.0000	18.90	
Airplane hi-vol	acre	3.15	1.0000	3.15	
DEFOLIANT					
Def	pt	5.13	0.7500	3.85	
Dropp	lbs	53.45	0.1500	8.02	
GROWTH REGULATORS					
Pix	oz	0.77	8.0000	6.16	
FERTILIZER					
Lime (spread)	ton	32.00	0.2500	8.00	
Nitrogen	lbs	0.26	112.0000	29.12	
Phosphate	lbs	0.21	50.0000	10.50	
Potash	lbs	0.12	60.0000	7.20	
Boron	lbs	0.55	1.0000	0.55	
FUNGICIDES					
TSX	lbs	1.95	10.0000	19.50	
HERBICIDES					
Treflan 4L	pt	3.75	1.2500	4.69	
Cotoran 4L	qt	8.75	1.0000	8.75	
Zorial 80DF	lbs	13.31	0.8000	10.65	
DSMA 4L	pt	0.96	2.5000	2.40	
Surfactant	pt	1.34	1.2000	1.61	
Caparol 4L	qt	7.61	0.3000	2.28	
MSMA 6.6	pt	2.13	1.8000	3.83	
Karmex	lbs	4.15	0.2000	0.83	
Fusilade DX	pt	13.80	0.2000	2.76	
Crop oil	pt	0.78	0.2000	0.16	
HIRED LABOR					
Other labor	hour	7.50	0.2500	1.88	
INSECTICIDES					
Temik 15G	lbs	2.90	3.3300	9.66	
Bidrin 8EC	pt	10.78	0.1000	1.08	
Karate 1E	pt	25.63	0.5140	13.17	
Larvin 3.2	pt	6.24	0.4700	2.93	
Curacron 8E	pt	12.55	1.7500	21.96	
Asana XL .66EC	pt	15.00	0.9700	14.55	
Methyl parathion 4E	pt	3.16	2.5000	7.90	
Scout x-tra .9EC	pt	35.00	0.5400	18.90	
OTHER					
Poly Pipe	acre	5.80	1.0000	5.80	
Module hauling	bale	5.00	1.2300	6.15	
Ginning cost	lbs	0.08	840.0000	67.20	
Insect scout	acre	7.50	1.0000	7.50	
SEED					
Cotton seed	lbs	0.82	12.0000	9.84	
OPERATOR LABOR					
Tractors	hour	7.50	2.1145	15.86	
IRRIGATION LABOR					
Irrig.sys. 8 pipe	hour	7.50	0.6600	4.95	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3960	4.75	
DIESEL FUEL					
Tractors	gal	0.85	12.8680	10.94	
Self-Propelled Eq.	gal	0.85	3.4560	2.94	
ELECTRICITY					
Irrig.sys. 8 pipe	kWh	0.09	39.7800	3.58	
GASOLINE					
Tractors	gal	1.20	0.6250	0.75	
REPAIR & MAINTENANCE					
Implements	acre	8.07	1.0000	8.07	
Tractors	acre	11.70	1.0000	11.70	
Self-Propelled Eq.	acre	21.42	1.0000	21.42	
Irrig.sys. 8 pipe	acin	0.08	6.0000	0.48	
INTEREST ON OP. CAP.	acre	16.53	1.0000	16.53	
TOTAL DIRECT EXPENSES				446.94	
RETURNS ABOVE DIRECT EXPENSES				185.31	
FIXED EXPENSES					
Implements	acre	12.79	1.0000	12.79	
Tractors	acre	17.68	1.0000	17.68	
Self-Propelled Eq.	acre	31.55	1.0000	31.55	
Irrig.sys. 8 pipe	acre	23.04	1.0000	23.04	
TOTAL FIXED EXPENSES				85.06	
TOTAL SPECIFIED EXPENSES				532.00	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				100.26	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
Land (Oppor. Cst.)MR	acre	65.00	1.0000	65.00	
RESIDUAL RETURNS				-29.22	

Table 16.B Estimated resource use and costs per acre for field operations
Cotton, poly pipe irrigation, silty soil, 8-row equip.,
solid planted, owner-operators, Macon Ridge Area, Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Lime (spread)	ton			1.00	Jan							0.2500	32.00	8.00	8.00
Chisel plow	20 ft	168	0.090	1.00	Jan	1.43	1.07	0.24	0.34	0.099	0.74				3.82
Disk	26.6 ft	168	0.070	1.00	Jan	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk	26.6 ft	168	0.070	1.00	Mar	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Field cultivator	32 ft	168	0.050	1.00	Apr	0.80	0.59	0.26	0.38	0.055	0.41				2.44
Treflan 4L	pt											1.2500	3.75	4.69	4.69
Fertilizer Truck	acre			1.00	Apr							1.0000	3.55	3.55	3.55
Nitrogen	lbs											20.0000	0.26	5.20	5.20
Phosphate	lbs											50.0000	0.21	10.50	10.50
Potash	lbs											60.0000	0.12	7.20	7.20
Boron	lbs											1.0000	0.55	0.55	0.55
Hipper	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.23	0.33	0.077	0.58				3.08
Conditioner	26.6 Ft	168	0.070	1.00	Apr	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Plant + pre	26.6 Ft	168	0.080	1.00	Apr	1.28	0.95	0.75	1.15	0.088	0.66				4.79
Cotoran 4L	qt											0.5000	8.75	4.38	4.38
Zorial 80DF	lbs											0.8000	13.31	10.65	10.65
Cotton seed	lbs											12.0000	0.82	9.84	9.84
Temik 15G	lbs											3.3300	2.90	9.66	9.66
TSX	lbs											10.0000	1.95	19.50	19.50
Trailer utility	10 Ft	93	1.000	0.23	Apr	2.25	1.62	0.08	0.33	0.253	1.90				6.17
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Cotoran 4L	qt											0.5000	8.75	4.38	4.38
DSMA 4L	pt											2.5000	0.96	2.40	2.40
Surfactant	pt											0.4000	1.34	0.54	0.54
Fertilzer app (R)	20 ft	93	0.090	1.00	May	0.47	0.63		0.00	0.099	0.74				1.84
Nitrogen	lbs											80.0000	0.26	20.80	20.80
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Bidrin 8EC	pt											0.1000	10.78	1.08	1.08
Caparol 4L	qt											0.3000	7.61	2.28	2.28
MSMA 6.6	pt											0.9000	2.13	1.92	1.92
Surfactant	pt											0.4000	1.34	0.54	0.54
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Karmex	lbs											0.2000	4.15	0.83	0.83
MSMA 6.6	pt											0.9000	2.13	1.92	1.92
Surfactant	pt											0.4000	1.34	0.54	0.54
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Fusilade DX	pt											0.2000	13.80	2.76	2.76
Crop oil	pt											0.2000	0.78	0.16	0.16
Ditcher rotary	1.5 ft	93	0.050	0.50	Jul	0.24	0.18	0.05	0.07	0.028	0.21				0.75
Poly Pipe	acre			1.00	Jul							1.0000	5.80	5.80	5.80
Irrig.sys. 8 pipe	acin			1.00	Jul			4.06	23.04	0.660	4.95	6.0000			32.05
Airplane lo-vol	acre			1.00	Jul							1.0000	2.10	2.10	2.10
Karate 1E	pt											0.2500	25.63	6.41	6.41
Larvin 3.2	pt											0.4700	6.24	2.93	2.93
Airplane lo-vol	acre			1.00	Jul							1.0000	2.10	2.10	2.10
Karate 1E	pt											0.2640	25.63	6.77	6.77
Nitrogen	lbs											4.0000	0.26	1.04	1.04
Pix	oz											2.0000	0.77	1.54	1.54
Airplane lo-vol	acre			1.00	Aug							2.0000	2.10	4.20	4.20
Curacron 8E	pt											1.7500	12.55	21.96	21.96
Nitrogen	lbs											8.0000	0.26	2.08	2.08
Pix	oz											6.0000	0.77	4.62	4.62
Airplane lo-vol	acre			1.00	Aug							2.0000	2.10	4.20	4.20
Asana XL .66EC	pt											0.9700	15.00	14.55	14.55
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Airplane lo-vol	acre			1.00	Sep							3.0000	2.10	6.30	6.30
Scout x-tra .9EC	pt											0.5400	35.00	18.90	18.90
Methyl parathion 4E	pt											1.5000	3.16	4.74	4.74
Airplane hi-vol	acre			1.00	Oct							1.0000	3.15	3.15	3.15
Def	pt											0.7500	5.13	3.85	3.85
Dropp	lbs											0.1500	53.45	8.02	8.02
Cotton Picker	4 Row		0.260	1.00	Oct			17.59	22.79	0.286	3.43				43.81
Module Builder	32 Ft	143	1.000	0.25	Nov	3.45	2.56	2.67	4.41	0.275	2.06				15.15
Other labor	hour											0.1250	7.50	0.94	0.94
Cotton Picker second	4 Row		0.200	0.50	Nov			6.77	8.76	0.110	1.32				16.85
Trailer cotton	10 bale	1\2 ton	1.000	0.25	Nov	1.17	1.01	0.37	0.60	0.250	1.88				5.02
Other labor	hour											0.1250	7.50	0.94	0.94
Module hauling	bale			1.00	Nov							1.2300	5.00	6.15	6.15
Stalk cutter	13.3 ft	93	0.130	1.00	Nov	1.27	0.91	0.27	0.78	0.143	1.07				4.31
Ginning cost	lbs			1.00	Nov							840.0000	0.08	67.20	67.20
Insect scout	acre			1.00	Nov							1.0000	7.50	7.50	7.50
TOTALS						23.39	17.68	36.49	67.38	3.171	25.56			344.97	515.47
INTEREST ON OPERATING CAPITAL															16.53
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															532.00

Table 17.A Estimated costs and returns per acre
Soybeans, sandy soil, 8-row equipment, (38 inch rows),
owner-operators, alluvial soils, northeast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	6.50	30.0000	195.00	
TOTAL INCOME				195.00	
DIRECT EXPENSES					
CUSTOM					
Airplane lo-vol	acre	2.10	0.5000	1.05	
HERBICIDES					
Treflan 4L	pt	3.75	1.5000	5.63	
Scepter 70 DG	oz	6.21	0.3330	2.07	
2,4-DB	pt	3.27	0.5000	1.64	
HIRED LABOR					
Other labor	hour	7.50	0.4000	3.00	
INSECTICIDES					
Ambush 2EC	pt	13.88	0.2000	2.78	
SEED					
Soybean seed	lbs	0.30	50.0000	15.00	
OPERATOR LABOR					
Tractors	hour	7.50	0.9130	6.85	
Self-Propelled Eq.	hour	7.50	0.2800	2.10	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	
DIESEL FUEL					
Tractors	gal	0.85	7.6210	6.48	
Self-Propelled Eq.	gal	0.85	1.7750	1.51	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.4000	1.68	
REPAIR & MAINTENANCE					
Implements	acre	4.44	1.0000	4.44	
Tractors	acre	6.14	1.0000	6.14	
Self-Propelled Eq.	acre	10.67	1.0000	10.67	
INTEREST ON OP. CAP.	acre	2.94	1.0000	2.94	
TOTAL DIRECT EXPENSES				77.25	
RETURNS ABOVE DIRECT EXPENSES				117.75	
FIXED EXPENSES					
Implements	acre	6.26	1.0000	6.26	
Tractors	acre	9.35	1.0000	9.35	
Self-Propelled Eq.	acre	18.89	1.0000	18.89	
TOTAL FIXED EXPENSES				34.51	
TOTAL SPECIFIED EXPENSES				111.76	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				83.24	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
Land (Oppor. Cst.)MS	acre	30.00	1.0000	30.00	
RESIDUAL RETURNS				-11.24	

Table 17.B Estimated resource use and costs per acre for field operations
Soybeans, sandy soil, 8-row equipment, (38 inch rows),
owner-operators, alluvial soils, northeast Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
V-Ripper	9 shank	168	0.130	1.00	Jan	2.07	1.54	0.65	0.84	0.143	1.07				6.18
Disk	26.6 ft	168	0.070	1.00	Jan	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk + pre	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.57	0.81	0.077	0.58				3.90
Treflan 4L	pt											1.5000	3.75	5.63	5.63
Conditioner	26.6 Ft	168	0.070	1.00	May	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Plant + pre	26.6 Ft	168	0.080	1.00	May	1.28	0.95	0.75	1.15	0.088	0.66				4.79
Soybean seed	lbs											50.0000	0.30	15.00	15.00
Scepter 70 DG	oz											0.3330	6.21	2.07	2.07
Other labor	hour											0.1200	7.50	0.90	0.90
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivator	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.27	0.38	0.088	0.66				3.53
Cultivator	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.27	0.38	0.088	0.66				3.53
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
2,4-DB	pt											0.5000	3.27	1.64	1.64
Airplane lo-vol	acre			1.00	Aug							0.5000	2.10	1.05	1.05
Ambush 2EC	pt											0.2000	13.88	2.78	2.78
Combine medium	20 Ft		0.250	1.00	Oct			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.28	Oct			2.98	3.24	0.280	2.10				8.32
Other labor	hour											0.2800	7.50	2.10	2.10
TOTALS						12.61	9.35	18.30	25.15	1.468	12.25			31.15	108.82
INTEREST ON OPERATING CAPITAL															2.94
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															111.76

Table 18.A Estimated costs and returns per acre
Soybeans, clay soil, 8-row equipment, (38 inch rows),
owner-operators, alluvial soils, northeast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	6.50	30.0000	195.00	
TOTAL INCOME				195.00	
DIRECT EXPENSES					
CUSTOM					
Airplane lo-vol	acre	2.10	0.5000	1.05	
HERBICIDES					
Treflan 4L	pt	3.75	2.0000	7.50	
Scepter 70 DG	oz	6.21	0.3330	2.07	
2,4-DB	pt	3.27	0.5000	1.64	
HIRED LABOR					
Other labor	hour	7.50	0.4000	3.00	
INSECTICIDES					
Ambush 2EC	pt	13.88	0.2000	2.78	
SEED					
Soybean seed	lbs	0.30	50.0000	15.00	
OPERATOR LABOR					
Tractors	hour	7.50	0.7700	5.78	
Self-Propelled Eq.	hour	7.50	0.2800	2.10	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	
DIESEL FUEL					
Tractors	gal	0.85	6.3600	5.41	
Self-Propelled Eq.	gal	0.85	1.7750	1.51	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.4000	1.68	
REPAIR & MAINTENANCE					
Implements	acre	3.79	1.0000	3.79	
Tractors	acre	5.14	1.0000	5.14	
Self-Propelled Eq.	acre	10.67	1.0000	10.67	
INTEREST ON OP. CAP.	acre	2.71	1.0000	2.71	
TOTAL DIRECT EXPENSES				75.11	
RETURNS ABOVE DIRECT EXPENSES				119.89	
FIXED EXPENSES					
Implements	acre	5.42	1.0000	5.42	
Tractors	acre	7.81	1.0000	7.81	
Self-Propelled Eq.	acre	18.89	1.0000	18.89	
TOTAL FIXED EXPENSES				32.13	
TOTAL SPECIFIED EXPENSES				107.23	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				87.77	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
RESIDUAL RETURNS				23.29	
Land (Oppor. Cst.)MS	acre	30.00	1.0000	30.00	
RESIDUAL RETURNS				-6.71	

Table 18.B Estimated resource use and costs per acre for field operations
Soybeans, clay soil, 8-row equipment, (38 inch rows),
owner-operators, alluvial soils, northeast Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	26.6 ft	168	0.070	1.00	Mar	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk + pre	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.57	0.81	0.077	0.58				3.90
Treflan 4L	pt											2.0000	3.75	7.50	7.50
Conditioner	26.6 Ft	168	0.070	1.00	May	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Plant + pre	26.6 Ft	168	0.080	1.00	May	1.28	0.95	0.75	1.15	0.088	0.66				4.79
Soybean seed	lbs											50.0000	0.30	15.00	15.00
Scepter 70 DG	oz											0.3330	6.21	2.07	2.07
Other labor	hour											0.1200	7.50	0.90	0.90
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivator	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.27	0.38	0.088	0.66				3.53
Cultivator	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.27	0.38	0.088	0.66				3.53
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
2,4-DB	pt											0.5000	3.27	1.64	1.64
Airplane lo-vol	acre			1.00	Aug							0.5000	2.10	1.05	1.05
Ambush 2EC	pt											0.2000	13.88	2.78	2.78
Combine medium	20 Ft		0.250	1.00	Oct			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.28	Oct			2.98	3.24	0.280	2.10				8.32
Other labor	hour											0.2800	7.50	2.10	2.10
TOTALS						10.54	7.81	17.65	24.31	1.325	11.18			33.03	104.52
INTEREST ON OPERATING CAPITAL															2.71
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															107.23

Table 19.A Estimated costs and returns per acre
Soybeans, clay soil, 8-row equipment, (38 inch rows),
Tenant-operators, alluvial soils, northeast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	6.50	30.0000	195.00	
Land share rent	bu	6.50	-7.5000	-48.75	
TOTAL INCOME				146.25	
DIRECT EXPENSES					
CUSTOM					
Airplane lo-vol	acre	2.10	0.5000	1.05	
HERBICIDES					
Treflan 4L	pt	3.75	2.0000	7.50	
Scepter 70 DG	oz	6.21	0.3330	2.07	
2,4-DB	pt	3.27	0.5000	1.64	
HIRED LABOR					
Other labor	hour	7.50	0.4000	3.00	
INSECTICIDES					
Ambush 2EC	pt	13.88	0.2000	2.78	
SEED					
Soybean seed	lbs	0.30	50.0000	15.00	
OPERATOR LABOR					
Tractors	hour	7.50	0.7700	5.78	
Self-Propelled Eq.	hour	7.50	0.2800	2.10	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	
DIESEL FUEL					
Tractors	gal	0.85	6.3600	5.41	
Self-Propelled Eq.	gal	0.85	1.7750	1.51	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.4000	1.68	
REPAIR & MAINTENANCE					
Implements	acre	3.79	1.0000	3.79	
Tractors	acre	5.14	1.0000	5.14	
Self-Propelled Eq.	acre	10.67	1.0000	10.67	
INTEREST ON OP. CAP.	acre	2.73	1.0000	2.73	
TOTAL DIRECT EXPENSES				75.13	
RETURNS ABOVE DIRECT EXPENSES				71.12	
FIXED EXPENSES					
Implements	acre	5.42	1.0000	5.42	
Tractors	acre	7.81	1.0000	7.81	
Self-Propelled Eq.	acre	18.89	1.0000	18.89	
TOTAL FIXED EXPENSES				32.13	
TOTAL SPECIFIED EXPENSES				107.25	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				39.00	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	53.46	1.0000	53.46	
RESIDUAL RETURNS				-14.46	

Table 19.B Estimated resource use and costs per acre for field operations
Soybeans, clay soil, 8-row equipment, (38 inch rows),
Tenant-operators, alluvial soils, northeast Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	26.6 ft	168	0.070	1.00	Feb	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk + pre	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.57	0.81	0.077	0.58				3.90
Treflan 4L	pt											2.0000	3.75	7.50	7.50
Conditioner	26.6 Ft	168	0.070	1.00	May	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Plant + pre	26.6 Ft	168	0.080	1.00	May	1.28	0.95	0.75	1.15	0.088	0.66				4.79
Soybean seed	lbs											50.0000	0.30	15.00	15.00
Scepter 70 DG	oz											0.3330	6.21	2.07	2.07
Other labor	hour											0.1200	7.50	0.90	0.90
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivator	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.27	0.38	0.088	0.66				3.53
Cultivator	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.27	0.38	0.088	0.66				3.53
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
2,4-DB	pt											0.5000	3.27	1.64	1.64
Airplane lo-vol	acre			1.00	Aug							0.5000	2.10	1.05	1.05
Ambush 2EC	pt											0.2000	13.88	2.78	2.78
Combine medium	20 Ft		0.250	1.00	Oct			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.28	Oct			2.98	3.24	0.280	2.10				8.32
Other labor	hour											0.2800	7.50	2.10	2.10
TOTALS						10.54	7.81	17.65	24.31	1.325	11.18			33.03	104.52
INTEREST ON OPERATING CAPITAL															2.73
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															107.25

Table 20.A Estimated costs and returns per acre
Soybeans, clay soil, 6-row equipment, drill planted,
owner-operators, alluvial soils, northeast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	6.50	30.0000	195.00	_____
TOTAL INCOME				195.00	_____
DIRECT EXPENSES					
CUSTOM					
Airplane hi-vol	acre	3.15	1.0000	3.15	_____
Airplane lo-vol	acre	2.10	1.0000	2.10	_____
HERBICIDES					
Treflan 4L	pt	3.75	2.0000	7.50	_____
Scepter 70 DG	oz	6.21	0.6670	4.14	_____
Blazer 2L	pt	7.19	1.0000	7.19	_____
Surfactant	pt	1.34	0.4000	0.54	_____
HIRED LABOR					
Other labor	hour	7.50	0.4000	3.00	_____
INSECTICIDES					
Ambush 2EC	pt	13.88	0.4000	5.55	_____
SEED					
Soybean seed	lbs	0.30	60.0000	18.00	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.4730	3.55	_____
Self-Propelled Eq.	hour	7.50	0.2800	2.10	_____
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	_____
DIESEL FUEL					
Tractors	gal	0.85	3.9560	3.36	_____
Self-Propelled Eq.	gal	0.85	1.7750	1.51	_____
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.4000	1.68	_____
REPAIR & MAINTENANCE					
Implements	acre	2.57	1.0000	2.57	_____
Tractors	acre	3.18	1.0000	3.18	_____
Self-Propelled Eq.	acre	10.67	1.0000	10.67	_____
INTEREST ON OP. CAP.	acre	3.10	1.0000	3.10	_____
TOTAL DIRECT EXPENSES				86.19	_____
RETURNS ABOVE DIRECT EXPENSES				108.81	_____
FIXED EXPENSES					
Implements	acre	3.65	1.0000	3.65	_____
Tractors	acre	4.85	1.0000	4.85	_____
Self-Propelled Eq.	acre	18.89	1.0000	18.89	_____
TOTAL FIXED EXPENSES				27.40	_____
TOTAL SPECIFIED EXPENSES				113.59	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				81.41	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	_____
Land (Oppor. Cst.)MS	acre	30.00	1.0000	30.00	_____
RESIDUAL RETURNS				-13.07	_____

Table 20.B Estimated resource use and costs per acre for field operations
Soybeans, clay soil, 6-row equipment, drill planted,
owner-operators, alluvial soils, northeast Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Disk + pre	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.57	0.81	0.077	0.58				3.90
Treflan 4L	pt											2.0000	3.75	7.50	7.50
Conditioner	26.6 Ft	168	0.070	1.00	May	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Grain drill	20 ft	168	0.100	1.00	May	1.59	1.19	0.53	0.81	0.110	0.83				4.95
Soybean seed	lbs											60.0000	0.30	18.00	18.00
Other labor	hour											0.1200	7.50	0.90	0.90
Scepter 70 DG	oz											0.6670	6.21	4.14	4.14
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Airplane hi-vol	acre			1.00	Jun							1.0000	3.15	3.15	3.15
Blazer 2L	pt											1.0000	7.19	7.19	7.19
Surfactant	pt											0.4000	1.34	0.54	0.54
Airplane lo-vol	acre			1.00	Aug							1.0000	2.10	2.10	2.10
Ambush 2EC	pt											0.4000	13.88	5.55	5.55
Combine medium	20 Ft		0.250	1.00	Oct			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.28	Oct			2.98	3.24	0.280	2.10				8.32
Other labor	hour											0.2800	7.50	2.10	2.10
TOTALS						6.55	4.85	16.43	22.54	1.028	8.95			51.17	110.49
INTEREST ON OPERATING CAPITAL															3.10
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															113.59

Table 21.A Estimated costs and returns per acre
Soybeans, silty soil, 8-row equipment, (38 inch rows),
owner-operators, Macon Ridge Area, Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	6.50	21.0000	136.50	_____
TOTAL INCOME				136.50	_____
DIRECT EXPENSES					
CUSTOM					
Airplane lo-vol	acre	2.10	0.5000	1.05	_____
HERBICIDES					
Canopy	lbs	37.40	0.4380	16.38	_____
Classic	oz	17.50	0.0600	1.05	_____
Surfactant	pt	1.34	0.0300	0.04	_____
Fusilade DX	pt	13.80	0.1300	1.79	_____
Crop oil	pt	0.78	0.1300	0.10	_____
HIRED LABOR					
Other labor	hour	7.50	0.4000	3.00	_____
INSECTICIDES					
Pounce	pt	21.00	0.1250	2.63	_____
SEED					
Soybean seed	lbs	0.30	45.0000	13.50	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.7700	5.78	_____
Self-Propelled Eq.	hour	7.50	0.2800	2.10	_____
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	_____
DIESEL FUEL					
Tractors	gal	0.85	6.3600	5.41	_____
Self-Propelled Eq.	gal	0.85	1.7750	1.51	_____
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.4000	1.68	_____
REPAIR & MAINTENANCE					
Implements	acre	3.56	1.0000	3.56	_____
Tractors	acre	5.14	1.0000	5.14	_____
Self-Propelled Eq.	acre	10.67	1.0000	10.67	_____
INTEREST ON OP. CAP.	acre	2.93	1.0000	2.93	_____
TOTAL DIRECT EXPENSES				81.61	_____
RETURNS ABOVE DIRECT EXPENSES				54.89	_____
FIXED EXPENSES					
Implements	acre	5.08	1.0000	5.08	_____
Tractors	acre	7.81	1.0000	7.81	_____
Self-Propelled Eq.	acre	18.89	1.0000	18.89	_____
TOTAL FIXED EXPENSES				31.79	_____
TOTAL SPECIFIED EXPENSES				113.40	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				23.10	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	_____
RESIDUAL RETURNS				-41.38	_____
Land (Oppor. Cst.)MR	acre	25.00	1.0000	25.00	_____
RESIDUAL RETURNS				-66.38	_____

Table 21.B Estimated resource use and costs per acre for field operations
Soybeans, silty soil, 8-row equipment, (38 inch rows),
owner-operators, Macon Ridge Area, Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	26.6 ft	168	0.070	2.00	Apr	2.23	1.66	0.99	1.40	0.154	1.16				7.43
Hipper	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.23	0.33	0.077	0.58				3.08
Conditioner	26.6 Ft	168	0.070	1.00	May	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Plant + pre	26.6 Ft	168	0.080	1.00	May	1.28	0.95	0.75	1.15	0.088	0.66				4.79
Soybean seed	lbs											45.0000	0.30	13.50	13.50
Canopy	lbs											0.4380	37.40	16.38	16.38
Other labor	hour											0.1200	7.50	0.90	0.90
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivator	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.27	0.38	0.088	0.66				3.53
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Classic	oz											0.0600	17.50	1.05	1.05
Surfactant	pt											0.0300	1.34	0.04	0.04
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Fusilade DX	pt											0.1300	13.80	1.79	1.79
Crop oil	pt											0.1300	0.78	0.10	0.10
Airplane lo-vol	acre			1.00	Aug							0.5000	2.10	1.05	1.05
Pounce	pt											0.1250	21.00	2.63	2.63
Combine medium	20 Ft		0.250	1.00	Oct			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.28	Oct			2.98	3.24	0.280	2.10				8.32
Other labor	hour											0.2800	7.50	2.10	2.10
TOTALS						10.54	7.81	17.42	23.98	1.325	11.18			39.54	110.46
INTEREST ON OPERATING CAPITAL															2.93
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															113.40

Table 22.A Estimated costs and returns per acre
Soybeans, silty soil, 8-row equipment, (38 inch rows),
tenant-operators, Macon Ridge Area, Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	6.50	21.0000	136.50	_____
Land share rent	bu	6.50	-5.2500	-34.13	_____

TOTAL INCOME				102.38	_____
DIRECT EXPENSES					
CUSTOM					
Airplane lo-vol	acre	2.10	0.5000	1.05	_____
HERBICIDES					
Canopy	lbs	37.40	0.4380	16.38	_____
Classic	oz	17.50	0.0600	1.05	_____
Surfactant	pt	1.34	0.0300	0.04	_____
Fusilade DX	pt	13.80	0.1300	1.79	_____
Crop oil	pt	0.78	0.1300	0.10	_____
HIRED LABOR					
Other labor	hour	7.50	0.4000	3.00	_____
INSECTICIDES					
Pounce	pt	21.00	0.1250	2.63	_____
SEED					
Soybean seed	lbs	0.30	45.0000	13.50	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.7700	5.78	_____
Self-Propelled Eq.	hour	7.50	0.2800	2.10	_____
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	_____
DIESEL FUEL					
Tractors	gal	0.85	6.3600	5.41	_____
Self-Propelled Eq.	gal	0.85	1.7750	1.51	_____
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.4000	1.68	_____
REPAIR & MAINTENANCE					
Implements	acre	3.56	1.0000	3.56	_____
Tractors	acre	5.14	1.0000	5.14	_____
Self-Propelled Eq.	acre	10.67	1.0000	10.67	_____
INTEREST ON OP. CAP.	acre	2.93	1.0000	2.93	_____

TOTAL DIRECT EXPENSES				81.61	_____
RETURNS ABOVE DIRECT EXPENSES				20.77	_____
FIXED EXPENSES					
Implements	acre	5.08	1.0000	5.08	_____
Tractors	acre	7.81	1.0000	7.81	_____
Self-Propelled Eq.	acre	18.89	1.0000	18.89	_____

TOTAL FIXED EXPENSES				31.79	_____

TOTAL SPECIFIED EXPENSES				113.40	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-11.02	_____
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	53.46	1.0000	53.46	_____
RESIDUAL RETURNS				-64.48	_____

Table 22.B Estimated resource use and costs per acre for field operations
Soybeans, silty soil, 8-row equipment, (38 inch rows),
tenant-operators, Macon Ridge Area, Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	26.6 ft	168	0.070	2.00	Apr	2.23	1.66	0.99	1.40	0.154	1.16				7.43
Hipper	26.6 ft	168	0.070	1.00	Apr	1.12	0.83	0.23	0.33	0.077	0.58				3.08
Conditioner	26.6 Ft	168	0.070	1.00	May	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Plant + pre	26.6 Ft	168	0.080	1.00	May	1.28	0.95	0.75	1.15	0.088	0.66				4.79
Soybean seed	lbs											45.0000	0.30	13.50	13.50
Canopy	lbs											0.4380	37.40	16.38	16.38
Other labor	hour											0.1200	7.50	0.90	0.90
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivator	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.27	0.38	0.088	0.66				3.53
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Classic	oz											0.0600	17.50	1.05	1.05
Surfactant	pt											0.0300	1.34	0.04	0.04
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivate + Post	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.37	0.53	0.088	0.66				3.78
Fusilade DX	pt											0.1300	13.80	1.79	1.79
Crop oil	pt											0.1300	0.78	0.10	0.10
Airplane lo-vol	acre			1.00	Aug							0.5000	2.10	1.05	1.05
Pounce	pt											0.1250	21.00	2.63	2.63
Combine medium	20 Ft		0.250	1.00	Oct			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.28	Oct			2.98	3.24	0.280	2.10				8.32
Other labor	hour											0.2800	7.50	2.10	2.10
TOTALS						10.54	7.81	17.42	23.98	1.325	11.18			39.54	110.46
INTEREST ON OPERATING CAPITAL															2.93
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															113.40

Table 23.A Estimated costs and returns per acre
Corn, sandy soil, 8-row equipment, (38 inch rows),
owner-operators, alluvial soils, norhteast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	2.70	100.0000	270.00	_____
TOTAL INCOME				270.00	_____
DIRECT EXPENSES					
CUSTOM					
Drying Charge	bu	0.19	100.0000	19.00	_____
FERTILIZER					
Nitrogen	lbs	0.26	200.0000	52.00	_____
Phosphate	lbs	0.21	60.0000	12.60	_____
Potash	lbs	0.12	60.0000	7.20	_____
HERBICIDES					
Atrazine 4L	pt	1.35	2.0000	2.70	_____
Lasso	pt	3.23	3.0000	9.69	_____
HIRED LABOR					
Other labor	hour	7.50	0.5200	3.90	_____
INSECTICIDES					
Counter 20G	lbs	1.85	7.0000	12.95	_____
SEED					
Corn seed	thou	0.93	29.0000	26.97	_____
OPERATOR LABOR					
Tractors	hour	7.50	1.3420	10.07	_____
Self-Propelled Eq.	hour	7.50	0.4000	3.00	_____
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3080	3.70	_____
DIESEL FUEL					
Tractors	gal	0.85	8.4990	7.22	_____
Self-Propelled Eq.	gal	0.85	1.4560	1.24	_____
GASOLINE					
Self-Propelled Eq.	gal	1.20	2.0000	2.40	_____
REPAIR & MAINTENANCE					
Implements	acre	4.62	1.0000	4.62	_____
Tractors	acre	7.93	1.0000	7.93	_____
Self-Propelled Eq.	acre	12.77	1.0000	12.77	_____
INTEREST ON OP. CAP.	acre	8.05	1.0000	8.05	_____
TOTAL DIRECT EXPENSES				208.00	_____
RETURNS ABOVE DIRECT EXPENSES				62.00	_____
FIXED EXPENSES					
Implements	acre	6.82	1.0000	6.82	_____
Tractors	acre	11.64	1.0000	11.64	_____
Self-Propelled Eq.	acre	22.86	1.0000	22.86	_____
TOTAL FIXED EXPENSES				41.32	_____
TOTAL SPECIFIED EXPENSES				249.32	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				20.68	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	_____
Land (Oppor. Cst.)	acre	65.00	1.0000	65.00	_____
RESIDUAL RETURNS				-108.80	_____

Table 23.B Estimated resource use and costs per acre for field operations
Corn, sandy soil, 8-row equipment, (38 inch rows),
owner-operators, alluvial soils, northeast Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
V-Ripper	9 shank	168	0.130	1.00	Jan	2.07	1.54	0.65	0.84	0.143	1.07				6.18
Disk	26.6 ft	168	0.070	1.00	Jan	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Fertilizer buggy (R)	30 ft	93	0.060	1.00	Feb	0.31	0.42		0.00	0.066	0.50				1.23
Nitrogen	lbs											100.0000	0.26	26.00	26.00
Phosphate	lbs											60.0000	0.21	12.60	12.60
Potash	lbs											60.0000	0.12	7.20	7.20
Disk	26.6 ft	168	0.070	1.00	Feb	1.12	0.83	0.49	0.70	0.077	0.58				3.72
Hipper	26.6 ft	168	0.070	1.00	Mar	1.12	0.83	0.23	0.33	0.077	0.58				3.08
Ditcher rotary	1.5 ft	93	0.050	1.00	Mar	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Conditioner	26.6 Ft	168	0.070	1.00	Mar	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Plant + pre	26.6 Ft	168	0.080	1.00	Mar	1.28	0.95	0.75	1.15	0.088	0.66				4.79
Corn seed	thou											29.0000	0.93	26.97	26.97
Other labor	hour											0.1200	7.50	0.90	0.90
Atrazine 4L	pt											2.0000	1.35	2.70	2.70
Lasso	pt											3.0000	3.23	9.69	9.69
Counter 20G	lbs											7.0000	1.85	12.95	12.95
Ditcher rotary	1.5 ft	93	0.050	1.00	Mar	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivator	26.6 ft	168	0.080	1.00	Apr	1.28	0.95	0.27	0.38	0.088	0.66				3.53
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Fertilzer app (R)	20 ft	93	0.090	1.00	Apr	0.47	0.63		0.00	0.099	0.74				1.84
Nitrogen	lbs											100.0000	0.26	26.00	26.00
Combine corn	4-Row		0.280	1.00	Aug			12.16	18.23	0.308	3.70				34.08
Drying Charge	bu											100.0000	0.19	19.00	19.00
Truck	5 ton		1.000	0.40	Aug			4.25	4.63	0.400	3.00				11.88
Other labor	hour											0.4000	7.50	3.00	3.00
Grain cart	350 bu	93	1.000	0.25	Aug	2.44	1.76	0.51	1.02	0.275	2.06				7.79
Disk	20 ft	143	0.100	1.00	Aug	1.38	1.02	0.55	0.78	0.110	0.83				4.56
TOTALS						15.15	11.64	21.03	29.68	2.050	16.76			147.01	241.28
INTEREST ON OPERATING CAPITAL															8.05
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															249.32

Table 24.A Estimated costs and returns per acre
Milo, 8-row equipment, (38 inch rows), owner-operators,
northeast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Milo	Cwt	4.50	48.0000	216.00	_____
TOTAL INCOME				216.00	_____
DIRECT EXPENSES					
CUSTOM					
Airplane lo-vol	acre	2.10	1.0000	2.10	_____
FERTILIZER					
Nitrogen	lbs	0.26	120.0000	31.20	_____
HERBICIDES					
Atrazine 4L	pt	1.35	2.0000	2.70	_____
Lasso	pt	3.23	3.0000	9.69	_____
HIRED LABOR					
Other labor	hour	7.50	0.4700	3.53	_____
INSECTICIDES					
Lorsban	pt	5.75	1.0000	5.75	_____
SEED					
Milo seed	lbs	0.85	8.0000	6.80	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.7040	5.28	_____
Self-Propelled Eq.	hour	7.50	0.3500	2.63	_____
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	_____
DIESEL FUEL					
Tractors	gal	0.85	4.9050	4.17	_____
Self-Propelled Eq.	gal	0.85	1.7750	1.51	_____
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.7500	2.10	_____
REPAIR & MAINTENANCE					
Implements	acre	2.85	1.0000	2.85	_____
Tractors	acre	4.45	1.0000	4.45	_____
Self-Propelled Eq.	acre	10.99	1.0000	10.99	_____
INTEREST ON OP. CAP.	acre	3.45	1.0000	3.45	_____
TOTAL DIRECT EXPENSES				102.49	_____
RETURNS ABOVE DIRECT EXPENSES				113.51	_____
FIXED EXPENSES					
Implements	acre	4.08	1.0000	4.08	_____
Tractors	acre	6.67	1.0000	6.67	_____
Self-Propelled Eq.	acre	19.70	1.0000	19.70	_____
TOTAL FIXED EXPENSES				30.45	_____
TOTAL SPECIFIED EXPENSES				132.95	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				83.05	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	_____
Land (Oppor. Cst.)MS	acre	30.00	1.0000	30.00	_____
RESIDUAL RETURNS				-11.43	_____

Table 24.B Estimated resource use and costs per acre for field operations
Milo, 8-row equipment, (38 inch rows), owner-operators,
northeast Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars		dollars		
Disk	26.6 ft	168	0.070	2.00	Apr	2.23	1.66	0.99	1.40	0.154	1.16				7.43
Conditioner	26.6 Ft	168	0.070	1.00	Apr	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Plant + pre	26.6 Ft	168	0.080	1.00	Apr	1.28	0.95	0.75	1.15	0.088	0.66				4.79
Atrazine 4L	pt											2.0000	1.35	2.70	2.70
Other labor	hour											0.1200	7.50	0.90	0.90
Milo seed	lbs											8.0000	0.85	6.80	6.80
Lasso	pt											3.0000	3.23	9.69	9.69
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivator	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.27	0.38	0.088	0.66				3.53
Cultivator	26.6 ft	168	0.080	1.00	May	1.28	0.95	0.27	0.38	0.088	0.66				3.53
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Fertilzer app (R)	20 ft	93	0.090	1.00	Jun	0.47	0.63		0.00	0.099	0.74				1.84
Nitrogen	lbs											120.0000	0.26	31.20	31.20
Airplane lo-vol	acre			1.00	Jun							1.0000	2.10	2.10	2.10
Lorsban	pt											1.0000	5.75	5.75	5.75
Combine medium	20 Ft		0.250	1.00	Aug			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.35	Aug			3.72	4.05	0.350	2.63				10.40
Other labor	hour											0.3500	7.50	2.63	2.63
TOTALS						8.62	6.67	17.46	23.79	1.329	11.21			61.77	129.50
INTEREST ON OPERATING CAPITAL															3.45
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															132.95

Table 25.A Estimated costs and returns per acre
Wheat, 8-row equipment, drill planted, owner-operators,
alluvial soils, northeast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	3.70	40.0000	148.00	
TOTAL INCOME				148.00	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	lbs	0.26	80.0000	20.80	
HIRED LABOR					
Other labor	hour	7.50	0.2800	2.10	
SEED					
Wheat seed	lbs	0.25	90.0000	22.50	
OPERATOR LABOR					
Tractors	hour	7.50	0.5720	4.29	
Self-Propelled Eq.	hour	7.50	0.2800	2.10	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	
DIESEL FUEL					
Tractors	gal	0.85	3.6570	3.11	
Self-Propelled Eq.	gal	0.85	1.7750	1.51	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.4000	1.68	
REPAIR & MAINTENANCE					
Implements	acre	2.03	1.0000	2.03	
Tractors	acre	3.40	1.0000	3.40	
Self-Propelled Eq.	acre	10.67	1.0000	10.67	
INTEREST ON OP. CAP.	acre	3.20	1.0000	3.20	
TOTAL DIRECT EXPENSES				80.69	
RETURNS ABOVE DIRECT EXPENSES				67.31	
FIXED EXPENSES					
Implements	acre	2.98	1.0000	2.98	
Tractors	acre	4.99	1.0000	4.99	
Self-Propelled Eq.	acre	18.89	1.0000	18.89	
TOTAL FIXED EXPENSES				26.87	
TOTAL SPECIFIED EXPENSES				107.55	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				40.45	
ALLOCATED COST ITEMS					
Land (Oppor. Cst.)MS	acre	30.00	1.0000	30.00	
RESIDUAL RETURNS				10.45	

Table 25.B Estimated resource use and costs per acre for field operations
Wheat, 8-row equipment, drill planted, owner-operators,
alluvial soils, northeast Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	26.6 ft	168	0.070	2.00	Oct	2.23	1.66	0.99	1.40	0.154	1.16				7.43
Conditioner	26.6 Ft	168	0.070	1.00	Oct	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Grain drill	20 ft	143	0.100	1.00	Oct	1.38	1.02	0.53	0.81	0.110	0.83				4.57
Wheat seed	lbs											90.0000	0.25	22.50	22.50
Trailer utility	10 Ft	93	1.000	0.10	Oct	0.98	0.70	0.04	0.14	0.110	0.83				2.68
Ditcher rotary	1.5 ft	93	0.050	1.00	Oct	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Fertilizer buggy (R)	30 ft	93	0.060	1.00	Feb	0.31	0.42		0.00	0.066	0.50				1.23
Nitrogen	lbs											80.0000	0.26	20.80	20.80
Combine medium	20 Ft		0.250	1.00	May			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.28	May			2.98	3.24	0.280	2.10				8.32
Other labor	hour											0.2800	7.50	2.10	2.10
TOTALS						6.51	4.99	15.89	21.88	1.127	9.69			45.40	104.35
INTEREST ON OPERATING CAPITAL															3.20
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															107.55

Table 26.A Estimated costs and returns per acre
Wheat and Soybeans, (double crop), 8-row equipment,
owner-operators, alluvial soils, northeast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	3.70	40.0000	148.00	
Soybean	bu	6.50	25.0000	162.50	
TOTAL INCOME				310.50	
DIRECT EXPENSES					
CUSTOM					
Airplane lo-vol	acre	2.10	0.5000	1.05	
FERTILIZER					
Nitrogen	lbs	0.26	80.0000	20.80	
HERBICIDES					
Lasso	pt	3.23	2.0000	6.46	
Scepter 70 DG	oz	6.21	0.3330	2.07	
2,4-DB	pt	3.27	0.5000	1.64	
HIRED LABOR					
Other labor	hour	7.50	0.6800	5.10	
INSECTICIDES					
Ambush 2EC	pt	13.88	0.2000	2.78	
SEED					
Wheat seed	lbs	0.25	90.0000	22.50	
Soybean seed	lbs	0.30	50.0000	15.00	
OPERATOR LABOR					
Tractors	hour	7.50	1.0670	8.00	
Self-Propelled Eq.	hour	7.50	0.5600	4.20	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.5500	6.60	
DIESEL FUEL					
Tractors	gal	0.85	8.0220	6.82	
Self-Propelled Eq.	gal	0.85	3.5500	3.02	
GASOLINE					
Self-Propelled Eq.	gal	1.20	2.8000	3.36	
REPAIR & MAINTENANCE					
Implements	acre	4.96	1.0000	4.96	
Tractors	acre	6.86	1.0000	6.86	
Self-Propelled Eq.	acre	21.34	1.0000	21.34	
INTEREST ON OP. CAP.	acre	7.56	1.0000	7.56	
TOTAL DIRECT EXPENSES				150.11	
RETURNS ABOVE DIRECT EXPENSES				160.39	
FIXED EXPENSES					
Implements	acre	7.07	1.0000	7.07	
Tractors	acre	10.32	1.0000	10.32	
Self-Propelled Eq.	acre	33.39	1.0000	33.39	
TOTAL FIXED EXPENSES				50.78	
TOTAL SPECIFIED EXPENSES				200.88	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				109.62	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
RESIDUAL RETURNS				45.14	
Land (Oppor. Cst.)	acre	65.00	1.0000	65.00	
RESIDUAL RETURNS				-19.86	

Table 26.B Estimated resource use and costs per acre for field operations
Wheat and Soybeans, (double crop), 8-row equipment,
owner-operators, alluvial soils, northeast Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	26.6 ft	168	0.070	2.00	Oct	2.23	1.66	0.99	1.40	0.154	1.16				7.43
Conditioner	26.6 Ft	168	0.070	1.00	Nov	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Grain drill	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.53	0.81	0.110	0.83				4.57
Wheat seed	lbs											90.0000	0.25	22.50	22.50
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Fertilizer buggy (R)	30 ft	93	0.060	1.00	Feb	0.31	0.42		0.00	0.066	0.50				1.23
Nitrogen	lbs											80.0000	0.26	20.80	20.80
Combine double crop	20 Ft		0.250	1.00	May			10.88	13.45	0.275	3.30				27.63
Truck	5 ton		1.000	0.28	May			2.98	3.24	0.280	2.10				8.32
Other labor	hour											0.2800	7.50	2.10	2.10
Disk	26.6 ft	168	0.070	2.00	May	2.23	1.66	0.99	1.40	0.154	1.16				7.43
Conditioner	26.6 Ft	168	0.070	1.00	Jun	1.12	0.83	0.39	0.49	0.077	0.58				3.39
Plant + pre	26.6 Ft	168	0.080	1.00	Jun	1.28	0.95	0.75	1.15	0.088	0.66				4.79
Soybean seed	lbs											50.0000	0.30	15.00	15.00
Lasso	pt											2.0000	3.23	6.46	6.46
Other labor	hour											0.1200	7.50	0.90	0.90
Scepter 70 DG	oz											0.3330	6.21	2.07	2.07
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Cultivator	26.6 ft	168	0.080	1.00	Jun	1.28	0.95	0.27	0.38	0.088	0.66				3.53
Cultivate + Post	26.6 ft	168	0.080	1.00	Jul	1.28	0.95	0.37	0.53	0.088	0.66				3.78
2,4-DB	pt											0.5000	3.27	1.64	1.64
Ditcher rotary	1.5 ft	93	0.050	1.00	Jul	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Airplane lo-vol	acre			1.00	Aug							0.5000	2.10	1.05	1.05
Ambush 2EC	pt											0.2000	13.88	2.78	2.78
Combine double crop	20 Ft		0.250	1.00	Oct			10.88	13.45	0.275	3.30				27.63
Truck	5 ton		1.000	0.28	Oct			2.98	3.24	0.280	2.10				8.32
Other labor	hour											0.2800	7.50	2.10	2.10
TOTALS						13.68	10.32	32.67	40.46	2.177	18.80			77.39	193.32
INTEREST ON OPERATING CAPITAL															7.56
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															200.88

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, 1997.

ITEM NAME	SIZE		USEFUL LIFE	ANNUAL USE	PURCHASE PRICE	REPAIR COST	FUEL CONS RATE	--DIRECT COST--		--FIXED COST--	
		hr/ac	years	hours	dollars	percent	/hour	$/hr	$/ax	$/hr	$/ac
Large 4 wheel drive	300		16	625	107,000	96	14.40	22.51		15.66	
Pickup Truck	1\2 ton		5	800	15,000	45	2.50	4.69		4.04	
Small 4 wheel drive	225		16	625	90,000	96	10.80	17.82		13.17	
Sml 4 whl drive (LS)	225		16	625	90,000	96	10.80	17.82		13.17	
Tractor 106-130	118		16	625	65,000	104	6.80	12.54		9.51	
Tractor 131-155	143		16	625	70,000	99	8.10	13.82		10.24	
Tractor 131-155 (GC)	143		16	625	70,000	99	6.00	12.03		10.24	
Tractor 15-30	23		16	625	11,300	170	1.60	3.84		1.65	
Tractor 156-180	168		16	625	81,000	95	9.70	15.94		11.85	
Tractor 31-55	43		16	625	17,500	159	2.70	5.08		2.56	
Tractor 56-80	68		16	625	28,500	138	4.20	7.50		4.17	
Tractor 80-105	93		16	625	48,000	108	5.40	9.77		7.02	
Tractor 80-105 (GC)	93		16	625	48,000	108	4.00	8.58		7.02	
Combine corn	4-Row	0.28	10	250	130,000	75	5.20	43.42	12.16	65.10	18.23
Combine double crop	20 Ft	0.25	5	500	125,000	75	7.10	43.54	10.88	53.80	13.45
Combine large	20 Ft	0.21	10	250	155,000	75	8.60	53.81	11.30	77.62	16.30
Combine medium	20 Ft	0.25	10	250	125,000	75	7.10	43.54	10.88	62.60	15.65
Combine Rice	20 Ft	0.38	10	250	125,000	75	7.10	43.54	16.54	62.60	23.79
Combine Rice second	20 Ft	0.20	10	250	125,000	75	7.10	43.54	8.71	62.60	12.52
Combine Small	20 Ft	0.31	10	250	105,000	75	5.20	35.92	11.14	52.58	16.30
Combine-Corn	6-Row	0.20	10	250	130,000	75	7.10	45.04	9.01	65.10	13.02
Cotton Picker	2 Row	0.58	10	250	105,000	85	7.70	42.25	24.50	52.58	30.50
Cotton Picker	4 Row	0.26	10	250	175,000	85	9.60	67.66	17.59	87.64	22.79
Cotton Picker	5-row	0.20	10	250	184,000	85	9.60	70.72	14.14	92.15	18.43
Cotton Picker second	2 Row	0.40	10	250	105,000	85	7.70	42.25	16.90	52.58	21.03
Cotton Picker second	4 Row	0.20	10	250	175,000	85	9.60	67.66	13.53	87.64	17.53
Crawfish combine		1.00	10	400	6,500	55	3.50	3.87	3.87	2.03	2.03
Hi-cycle sprayer	60 Ft	0.03	12	250	60,000	60	5.50	16.68	0.55	26.45	0.87
Pickup truck	1/2 ton	1.00	5	800	15,000	45	2.50	4.69	4.69	4.04	4.04
Truck	1 ton	1.00	10	400	22,000	50	3.00	6.35	6.35	6.89	6.89
Truck	2 ton	1.00	10	400	30,000	50	3.70	8.19	8.19	9.39	9.39
Truck	5 ton	1.00	10	400	37,000	50	5.00	10.63	10.63	11.58	11.58

Appendix Table 2. Implements: estimated performance rate, useful life, annual use, purchase price, repair cost, and direct and fixed cost per hour and per acre Louisiana, 1997.

ITEM NAME	SIZE	PERF RATE	USEFUL LIFE	ANNUAL USE	PURCHASE PRICE	REPAIR COST	--DIRECT COST--		--FIXED COST--	
		hrs/ac	years	hours	dollars	percent	$/hr	$/ac	$/hr	$/ac
Backhoe		1.00	10	100	5,000	88	4.40	4.40	6.26	6.26
Baler convention	20 ft	0.14	10	150	11,500	92	7.05	0.99	9.60	1.34
Baler Round	Large	0.20	10	150	19,000	94	11.91	2.38	15.86	3.17
Boll buggy	6 bale	1.00	12	200	18,000	80	6.00	6.00	9.92	9.92
Boom sprayer	30 ft	0.06	8	150	2,500	110	2.29	0.14	2.46	0.15
Chisel plow	13.3 ft	0.14	10	200	4,700	88	2.07	0.29	2.94	0.41
Chisel plow	20 ft	0.09	10	200	6,000	88	2.64	0.24	3.76	0.34
Conditioner	13.3 ft	0.15	6	200	4,500	88	3.30	0.49	4.17	0.63
Conditioner	20 ft	0.09	6	200	6,500	88	4.77	0.43	6.02	0.54
Conditioner	26.6 Ft	0.07	6	200	7,500	88	5.50	0.39	6.95	0.49
Cult + Post Min-Till	20 ft	0.11	10	200	11,000	88	4.84	0.53	6.89	0.76
Cult + Post Min-Till	26.6 ft	0.08	10	200	14,800	88	6.51	0.52	9.26	0.74
Cult + Post(2x1)skip	26.6 ft	0.08	10	200	9,000	88	3.96	0.32	5.63	0.45
Cultimulcher	12 Ft	0.16	15	120	5,400	88	2.64	0.42	4.28	0.69
Cultivate + post	13.3 ft	0.16	10	200	5,800	88	2.55	0.41	3.63	0.58
Cultivate + Post	20 ft	0.11	10	200	8,000	88	3.52	0.39	5.01	0.55
Cultivate + Post	26.6 ft	0.08	10	200	10,500	88	4.62	0.37	6.57	0.53
Cultivator	13.3 ft	0.14	10	200	4,000	88	1.76	0.25	2.50	0.35
Cultivator	20 ft	0.10	10	200	6,000	88	2.64	0.26	3.76	0.38
Cultivator	26.6 ft	0.08	10	200	7,600	88	3.34	0.27	4.76	0.38
Cultivator	6-Row30"	0.14	10	200	5,000	88	2.20	0.31	3.13	0.44
Cultivator (2x1)skip	26.6 ft	0.08	10	200	6,800	88	2.99	0.24	4.26	0.34
Disk	13.3 ft	0.15	10	200	6,500	88	2.86	0.43	4.07	0.61
Disk	20 ft	0.10	10	200	12,500	88	5.50	0.55	7.83	0.78
Disk	26.6 ft	0.07	10	200	16,000	88	7.04	0.49	10.02	0.70
Disk	6 ft	0.41	10	200	1,500	88	0.66	0.27	0.94	0.38
Disk (water)	20 ft	0.35	10	200	12,500	88	5.50	1.93	7.83	2.74
Disk + pre	13.3 ft	0.16	10	200	8,100	88	3.56	0.57	5.07	0.81
Disk + pre	20 ft	0.10	10	200	15,000	88	6.60	0.66	9.39	0.94
Disk + pre	26.6 ft	0.07	10	200	18,500	88	8.14	0.57	11.58	0.81
Ditcher rotary	1.5 ft	0.05	10	100	2,250	88	1.98	0.10	2.82	0.14
Ditcher side	1.5 ft	0.05	10	200	2,100	88	0.92	0.05	1.31	0.07
Doall (water)	20 ft	0.35	15	100	2,500	88	1.47	0.51	2.38	0.83
Dozer blade	10ft	0.85	20	100	3,400	66	1.12	0.95	2.73	2.32
Drag	14 ft	0.13	8	200	700	88	0.39	0.05	0.52	0.07
Fertilizer app anh	18 ft	0.17	8	150	3,000	93	2.33	0.40	2.95	0.50
Fertilizer app liq	18 ft	0.13	10	130	5,000	110	4.23	0.55	4.82	0.63
Fertilizer buggy	30 ft	0.06	10	150	5,500	88	3.23	0.19	4.59	0.28
Fertilizer buggy (R)	30 ft	0.06	10	150	1	0	0.00	0.00	0.00	0.00
Fertilzer app (R)	20 ft	0.09	10	200	1	0	0.00	0.00	0.00	0.00
Field cult + pre	20 ft	0.10	10	200	9,000	88	3.96	0.40	5.63	0.56
Field cult + pre	32 ft	0.06	10	200	14,000	88	6.16	0.37	8.76	0.53
Field cultivator	20 ft	0.09	10	200	7,000	88	3.08	0.28	4.38	0.39
Field cultivator	32 ft	0.05	10	200	12,000	88	5.28	0.26	7.51	0.38
Frontend loader	3 cuyd	1.00	15	100	5,500	88	3.23	3.23	5.24	5.24
Grain cart	350 bu	1.00	15	175	7,500	71	2.03	2.03	4.08	4.08
Grain drill	12 ft	0.21	8	200	7,000	77	3.37	0.71	5.17	1.09
Grain drill	20 ft	0.10	8	200	11,000	77	5.29	0.53	8.12	0.81
Harrow	6 Ft	0.41	10	300	460	88	0.13	0.06	0.19	0.08
Hay fork	2	1.00	10	300	650	88	0.19	0.19	0.27	0.27
Hay rake	10 Ft	0.20	10	150	3,700	110	2.71	0.54	3.09	0.62
Hay rake	15 ft	0.13	10	150	4,200	110	3.08	0.40	3.51	0.46
Hipper	13.3 ft	0.15	10	200	3,500	88	1.54	0.23	2.19	0.33
Hipper	20 ft	0.09	10	200	5,700	88	2.51	0.23	3.57	0.32
Hipper	26.6 ft	0.07	10	200	7,500	88	3.30	0.23	4.70	0.33
Hipper + Fert	20 ft	0.11	10	200	7,200	88	3.17	0.35	4.51	0.50
Honey wagon	3000 gal	1.00	10	200	6,380	88	2.81	2.81	3.99	3.99
Land level	13 ft	0.19	15	200	7,500	66	1.65	0.31	3.57	0.68
Laser Equipment		1.56	10	350	16,000	20	0.91	1.43	5.72	8.93
Laser Scraper	9 cu. yd	1.56	15	350	9,000	66	1.13	1.77	2.45	3.82
Levee plow	8 Ft	0.05	10	150	4,000	50	1.33	0.07	3.34	0.17

Appendix Table 2. (Continued)

ITEM NAME	SIZE	PERF RATE	USEFUL LIFE	ANNUAL USE	PURCHASE PRICE	REPAIR COST	--DIRECT COST--		--FIXED COST--	
		hrs/ac	years	hours	dollars	percent	$/hr	$/ac	$/hr	$/ac
Hay tedder	10 ft	0.20	10	150	3,000	110	2.20	0.44	2.50	0.50
Manure spreader	110 yd	1.00	15	100	6,000	88	3.52	3.52	5.71	5.71
Middle buster	13.3 ft	0.15	15	100	1,800	70	0.84	0.13	1.71	0.26
Module Builder	32 Ft	1.00	12	125	20,000	80	10.67	10.67	17.63	17.63
Molboard 4 bottom	6 Ft	0.33	15	200	1,700	108	0.61	0.20	0.81	0.27
Mower conditioner	9 Ft	0.19	10	150	10,000	198	13.20	2.51	8.35	1.59
Mower drum	6.7 Ft	0.25	10	150	4,000	44	1.17	0.29	3.34	0.83
Mower sickle	9 Ft	0.34	10	150	3,750	176	4.40	1.50	3.13	1.06
Mtd. Boom Sprayer	15 ft.	0.15	8	150	1,600	110	1.47	0.21	1.58	0.23
No till drill (15)	15 ft	0.15	8	200	17,000	71	7.54	1.09	12.55	1.82
No till planter	20 Ft	0.10	8	200	18,300	117	13.38	1.34	13.51	1.35
Nurse tank	1000 gal	0.13	10	130	2,700	22	0.46	0.06	2.60	0.34
Plant + pre	13.3 ft	0.16	8	200	10,000	77	4.81	0.77	7.39	1.18
Plant + pre	20 Ft	0.11	8	200	15,500	77	7.46	0.82	11.45	1.26
Plant + pre	26.6 Ft	0.08	8	200	19,500	77	9.38	0.75	14.40	1.15
Plant + Pre (2x1)	26.6 ft	0.08	8	200	16,700	77	8.04	0.64	12.33	0.99
Planter	13.3 ft	0.14	8	200	8,250	77	3.97	0.56	6.09	0.85
Planter	20 Ft	0.09	8	200	13,500	77	6.50	0.58	9.97	0.90
Planter	26.6 ft	0.07	8	200	17,000	77	8.18	0.57	12.55	0.88
Planter	6row 30"	0.14	8	200	12,500	77	6.02	0.84	9.23	1.29
Ridge tiller	26.6 ft	1.00	12	200	18,000	80	6.00	6.00	9.92	9.92
Ripper- hipper	13.3 ft	0.16	10	200	8,000	125	5.00	0.80	5.01	0.80
Rotary hoe	18 ft	0.08	20	75	4,500	110	3.30	0.26	4.81	0.38
Rotary mower	13.3 ft	0.13	10	150	7,200	44	2.11	0.27	6.01	0.78
Rotary mower	6.7 ft	0.15	10	150	2,500	44	0.73	0.11	2.09	0.31
Self unload wagon	4 ton	0.10	10	100	6,000	110	6.60	0.66	7.51	0.75
Setaside Maint.	disc	0.10	10	200	12,500	88	5.50	0.55	7.83	0.78
Silage Blower	large	0.06	10	100	4,800	71	3.41	0.20	6.01	0.36
Silage Blower	small	0.08	10	100	3,500	71	2.49	0.20	4.38	0.35
Silage harvester	1 row	0.08	10	100	10,000	71	7.10	0.57	12.52	1.00
Silage Harvester	2 row	0.06	10	100	18,000	71	12.78	0.77	22.54	1.35
Silage Wagon	6 tons	0.08	10	100	5,200	71	3.69	0.30	6.51	0.52
Silage Wagon	8 tons	0.06	10	100	6,250	71	4.44	0.27	7.83	0.47
Sodseeder	12 ft	0.11	8	200	6,000	77	2.89	0.32	4.43	0.49
Spike harrow	18 ft	0.08	10	200	1,500	88	0.66	0.05	0.94	0.08
Spike harrow (dbl)	18 ft	0.08	10	200	1,500	88	0.66	0.05	0.94	0.08
Sprayer cattle	6 ft	1.00	15	70	700	71	0.47	0.47	0.95	0.95
Sprigger	60 bu	0.40	10	100	8,000	77	6.16	2.46	10.02	4.01
Springtooth harrow	20 ft	0.11	13	150	2,625	132	1.78	0.20	1.83	0.20
Stalk cutter	13.3 ft	0.13	10	150	7,200	44	2.11	0.27	6.01	0.78
Stalk cutter	6.7 ft	0.25	10	150	2,500	44	0.73	0.18	2.09	0.52
Subsoiler	3 shank	0.40	15	100	1,700	100	1.13	0.45	1.62	0.65
Tractor blade	6 ft	1.00	15	100	400	137	0.37	0.37	0.38	0.38
Tractor Spreader	20 ft	0.11	10	150	700	88	0.41	0.05	0.58	0.06
Trailer cotton	10 bale	1.00	15	200	5,000	88	1.47	1.47	2.38	2.38
Trailer gooseneck	6 ft	1.00	15	100	5,000	88	2.93	2.93	4.76	4.76
Trailer hay	6 Ft	0.50	15	100	2,500	88	1.47	0.73	2.38	1.19
Trailer utility	10 Ft	1.00	15	200	3,000	35	0.35	0.35	1.43	1.43
V- Ripper	7 shank	0.17	15	100	5,200	110	3.81	0.65	4.95	0.84
V-Ripper	9 shank	0.13	15	100	6,800	110	4.99	0.65	6.47	0.84
Water level	16 Ft	0.22	15	100	2,500	66	1.10	0.24	2.38	0.52

Appendix Table 3. 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, 1997.

ITEM NAME	UNIT	REPAIR COST	FUEL CONS RATE	DIRECT COST	----FIXED COST----	
		$/U of M	/U of M	$/U of M	$/U of M	$/acre
Irg sys 29 sec wlord	acin	0.000	2.230	1.896		
Irr sys 16 WLWP	acin	0.000	0.340	1.445		31.60
Irr sys 11 WLCTDP	acin	0.000	2.230	1.896		29.99
Irr sys 11 WLCTWP	acin	0.000	2.230	1.896		30.23
Irr sys 11 WLDP	acin	0.000	2.230	1.896		31.20
Irr sys 11 WLWP	acin	0.000	2.230	1.896		32.07
Irr sys 14 fld. DP	acin	0.090	0.340	1.535		30.75
Irr sys 14 fld. WP	acin	0.090	0.340	1.535		31.60
Irr sys 16 fld. WLDP	acin	0.000	0.340	1.445		30.75
Irr sys 18 fl DP	acin	0.090	31.400	2.916		25.51
Irr sys 18 fl WP	acin	0.090	31.400	2.916		26.00
Irr sys 20 WLDP	acin	0.000	31.400	2.826		25.51
Irr sys 20 WLWP	acin	0.000	31.400	2.826		26.00
Irr sys 22 fld, WP	acin	0.120	0.920	0.902		17.54
Irr sys 22, fld, DP	acin	0.120	0.920	0.902		17.15
Irr sys 24 fld, WP	acin	0.070	0.140	0.665		17.07
Irr sys 24, fld, DP	acin	0.070	0.140	0.665		16.70
Irr sys 26 fl, WP	acin	0.080	11.490	1.114		13.93
Irr sys 26, fld., DP	acin	0.080	11.490	1.114		13.77
Irr sys 30, fld, DP	acin	0.070	9.380	0.914		11.93
Irr sys 30, fld, WP	acin	0.070	9.380	0.914		11.58
Irr sys 31 fld, WP	acin	0.070	5.430	0.559		7.48
Irr sys 31, fld, DP	acin	0.070	5.430	0.559		7.70
Irr sys 32 fld, WP	acin	0.090	0.550	0.558		11.11
Irr sys 32, fld, DP	acin	0.090	0.550	0.558		11.61
Irr sys 4, fld, DP	acin	0.090	0.670	0.660		15.84
Irr sys 4, fld, WP	acin	0.090	0.670	0.660		15.21
Irr sys 6, fld, WLDP	acin	0.000	0.670	0.570		15.84
Irr sys 6, WLWP	acin	0.000	0.670	0.570		15.21
Irr sys 9 fl CTDP	acin	0.150	2.230	2.046		29.99
Irr sys 9 fl CTWP	acin	0.150	2.230	2.046		30.23
Irr sys 9 fl DP	acin	0.150	2.230	2.046		31.20
Irrig sys 9 fl WP	acin	0.150	2.230	2.046		32.07
Irrig. sys. 1 pivot	acin	0.610	2.140	2.429		38.70
Irrig. sys. 10 flood	acin	0.150	0.000	0.150		
Irrig. sys. 12second	acin	0.150	2.230	2.046		
Irrig. sys. 15 flood	acin	0.090	0.000	0.090		
Irrig. sys. 2 Pipe	acin	0.590	1.410	1.789		27.75
Irrig. sys. 3 gun	acin	0.970	2.260	2.891		44.06
Irrig. sys. 5 flood	acin	0.090	0.000	0.090		
Irrig. sys. 7	acin	0.910	2.110	2.704		47.33
Irrig. sys.13 flood	acin	0.110	1.170	1.105		19.28
Irrig. sys.17 second	acin	0.090	0.340	1.535		
Irrig. sys.19 flood	acin	0.090	0.000	0.090		
Irrig. sys.21 second	acin	0.090	31.400	2.916		
Irrig. sys.23 second	acin	0.120	0.920	0.902		
irrig. sys.25 second	acin	0.070	0.140	0.665		
Irrig. sys.27 second	acin	0.080	11.490	1.114		
Irrig. sys.28 second	acin	0.150	0.000	0.150		
Irrig.sys. 8 pipe	acin	0.080	6.630	0.677		23.04

Appendix Table 4. Operating inputs: estimated prices Louisiana, 1997.

ITEM NAME	UNIT	PRICE
		dollars
CUSTOM		
Airplane 2,4-d	acre	5.10
Airplane benlate	acre	4.40
Airplane Fert	acre	4.10
Airplane Fert	cwt	3.95
Airplane Fert	cwt	4.05
Airplane furadan	acre	3.95
Airplane Furadan	acre	4.05
Airplane hi-vol	acre	3.15
Airplane hi-vol	acre	3.40
Airplane Insect	acre	3.80
Airplane lo-vol	acre	2.10
Airplane lo-vol	acre	2.45
Airplane seed	cwt	4.05
Airplane seed	cwt	4.25
Airplane seed	cwt	4.40
Airplane seed	cwt	4.25
Airplane Stam	acre	4.85
Airplane Stam	acre	4.40
Airplane ulv	acre	2.00
Custom Harvest	lbs	0.10
Drying Charge	bu	0.19
Drying Charge	cwt	0.17
Drying Rice	cwt	0.95
Fertilizer Cart	ton	5.00
Fertilizer Truck	acre	3.55
Global Pos. System	acre	0.40
Global Pos. System	acre	0.15
Global Pos. System	acre	0.25
Storage Rice	cwt	0.40
Storage Soybeans	bu	0.30
DEFOLIANT		
Def	pt	5.13
Dropp	lbs	53.45
Folex	pt	5.13
Harvade	pt	9.73
Prep	pt	5.25
Sodium Chlorate	pt	0.54
GROWTH REGULATORS		
Pix	oz	0.77
FERTILIZER		
Ammonium Nitrate 33%	lbs	0.10
Ammonium Sulfate 21%	lbs	0.09
Anhydrous (82%)	lbs	0.16
Boron	lbs	0.55
Lime (spread)	ton	32.00
Nitrogen	lbs	0.26
Nitrogen (32%)	lbs	0.07
Phosphate	lbs	0.21
Potash	lbs	0.12
Urea (45%)	lbs	0.11
FUNGICIDES		
Benlate 50% WP	lbs	15.80
Giberlic acid	cwt	3.00
Rovral 50 WP	lbs.	19.80
Tilt 3EC	oz	2.51
TSX	lbs	1.95
HERBICIDES		
2,4-d amine	pt	1.47
2,4-D-LV4	pt	1.78
2,4-DB	pt	3.27
Atrazine 4L	pt	1.35
Basagran 4L	pt	8.28
Bicep	qt	8.10
Bladex 4L	pt	3.32
Blazer 2L	pt	7.19
Bolero	pt	5.63
Canopy	lbs	37.40
Caparol 4L	qt	7.61
Classic	oz	17.50
Command 4EC	pt	9.84
Cotoran 4L	qt	8.75
Crop oil	pt	0.78
DSMA 4L	pt	0.96
Dual 8E	pt	7.85
Fusilade DX	pt	13.80
Goal	pt	8.54
Gramoxone extra	pt	3.88
Karmex	lbs	4.15
Lasso	pt	3.23
Lexone 4L	pt	17.73
Lexone DF	lbs	24.90

ITEM NAME	UNIT	PRICE
HERBICIDES (Con't))		
Londax	oz	14.15
Lorox	lbs	10.25
Lorox 4L	pt	7.00
MSMA 6.6	pt	2.13
MSMA plus	pt	2.00
Ordram 15G	lbs	1.00
Ordram 8E	pt	6.39
Poast 1.5L	pt	12.56
Probe	lbs	17.50
Prowl 3.3	pt	3.11
Reflex	oz	0.62
Roundup	pt	6.13
Scepter 70 DG	oz	6.21
Sencor 4L	pt	17.73
Sencor DF	lbs	24.90
Stam M4	qt	4.76
Surfactant	pt	1.34
Treflan 4L	pt	3.75
Whip360	pt	23.88
Zorial 80DF	lbs	13.31
HIRED LABOR		
Other labor	hour	7.50
INSECTICIDES		
Ambush 2EC	pt	13.88
Ammo 2.5E	pt	23.13
Asana XL .66EC	pt	15.00
Baythroid	pt	48.15
Bidrin 8EC	pt	10.78
Counter 20G	lbs	1.85
Curacron 8E	pt	12.55
Cymbush	pt	34.75
Diazinon	pt	5.49
Dimethoate	pt	3.66
Furadan 3G	lbs	0.75
Guthion	pt	3.58
Karate 1E	pt	25.63
Lannate	pt	5.80
Larvin 3.2	pt	6.24
Lorsban	pt	5.75
Methyl parathion 4E	pt	3.16
Monitor 4EC	pt	8.74
Orthene	lb	11.80
Pounce	pt	21.00
Scout x-tra .9EC	pt	35.00
Sevin 80% WP	lbs	4.40
Sevin XLR	pt	3.05
Temik 15G	lbs	2.90
OTHER		
Cash rent	acre	35.00
Cash rent	acre	55.00
Cash rent	acre	75.00
Cash rent	acre	55.00
Cash rent	acrei	45.00
Ginning cost	lbs	0.08
Innoculant	bu	0.45
Insect scout	acre	7.50
Levee Gate	gate	10.00
Module hauling	bale	5.00
Plastic	sqft	0.08
Poly Pipe	acre	5.80
Rice Forage	ac ai	63.27
Sacks	each	0.39
Setaside maintenance	acre	8.65
Twine	ton	1.20
SEED		
Common bermuda seed	lbs	3.50
Corn seed	thou	0.93
Cotton seed	lbs	0.82
Milo seed	lbs	0.85
Rice seed	lbs	0.19
Rice seed	lbs	0.20
Rice seed (grown)	cwt.	5.00
Ryegrass seed	lbs	0.28
Seed treatment	bu	0.95
Soybean seed	lbs	0.30
Vetch seed	lbs	0.81
Wheat seed	lbs	0.25
Wheat seed	lbs	0.14
Winter peas seed	lbs	0.33
Water charge	acre	53.00

Appendix Table 5. Estimated costs per acre overhead costs, owner-operators, Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HIRED LABOR					
Other labor	hour	7.50	1.2700	9.53	_____
OTHER					
Farmstead & drainage	dol	1.00	4.2500	4.25	_____
Utilities	dol	1.00	4.7900	4.79	_____
Misc. overhead	dol	1.00	1.6000	1.60	_____
Insurance	dol	1.00	2.7300	2.73	_____
Property tax	dol	1.00	1.6000	1.60	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.1650	1.24	_____
Self-Propelled Eq.	hour	7.50	1.5000	11.25	_____
shop bld.& equip.	hour	7.50	0.5800	4.35	_____
DIESEL FUEL					
Tractors	gal	0.85	0.4050	0.34	_____
GASOLINE					
Self-Propelled Eq.	gal	1.20	3.7500	4.50	_____
REPAIR & MAINTENANCE					
Implements	acre	0.11	1.0000	0.11	_____
Tractors	acre	0.42	1.0000	0.42	_____
Self-Propelled Eq.	acre	2.53	1.0000	2.53	_____
shop bld.& equip.	acre	3.26	1.0000	3.26	_____
INTEREST ON OP. CAP.	acre	2.70	1.0000	2.70	_____

TOTAL DIRECT EXPENSES				55.19	_____
RETURNS ABOVE DIRECT EXPENSES				-55.19	_____
FIXED EXPENSES					
Implements	acre	0.31	1.0000	0.31	_____
Tractors	acre	0.38	1.0000	0.38	_____
Self-Propelled Eq.	acre	6.05	1.0000	6.05	_____
shop bld.& equip.	acre	2.54	1.0000	2.54	_____

TOTAL FIXED EXPENSES				9.29	_____

TOTAL SPECIFIED EXPENSES				64.48	_____

Appendix Table 6. Estimated costs per acre overhead costs, tenant-operators, Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HIRED LABOR					
Other labor	hour	7.50	0.7600	5.70	_____
OTHER					
Farmstead & drainage	dol	1.00	1.5700	1.57	_____
Utilities	dol	1.00	2.8100	2.81	_____
Misc. overhead	dol	1.00	1.6000	1.60	_____
Insurance	dol	1.00	2.2900	2.29	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.1650	1.24	_____
Self-Propelled Eq.	hour	7.50	1.5000	11.25	_____
shop bld.& equip.	hour	7.50	0.5800	4.35	_____
DIESEL FUEL					
Tractors	gal	0.85	0.4050	0.34	_____
GASOLINE					
Self-Propelled Eq.	gal	1.20	3.7500	4.50	_____
REPAIR & MAINTENANCE					
Implements	acre	0.11	1.0000	0.11	_____
Tractors	acre	0.42	1.0000	0.42	_____
Self-Propelled Eq.	acre	2.53	1.0000	2.53	_____
shop bld.& equip.	acre	3.26	1.0000	3.26	_____
INTEREST ON OP. CAP.	acre	2.20	1.0000	2.20	_____

TOTAL DIRECT EXPENSES				44.17	_____
RETURNS ABOVE DIRECT EXPENSES				-44.17	_____
FIXED EXPENSES					
Implements	acre	0.31	1.0000	0.31	_____
Tractors	acre	0.38	1.0000	0.38	_____
Self-Propelled Eq.	acre	6.05	1.0000	6.05	_____
shop bld.& equip.	acre	2.54	1.0000	2.54	_____

TOTAL FIXED EXPENSES				9.29	_____

TOTAL SPECIFIED EXPENSES				53.46	_____