

Table 8A. Income and Cash Operating Summary; Pima (ELS) Cotton, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Conventional
 CROP: Cotton, Pima ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Parker CRIR YIELD: 882.0 Lb / Acre PREVIOUS CROP: Cotton, Upland DATE: 2/22/99

Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME	Lint	Pound	882.00	\$1.03	\$908.46	\$1,012.67
	CottonSeed	Ton	0.78	\$133.60	\$104.21	
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)						86.07
	Tractor/Self Propelled			33.28		
	Hand			26.88		
	Irrigation			25.91		
Chemicals and Custom Applications						417.70
	Fertilizer			69.75		
	Insecticide			222.62		
	Herbicide			31.49		
	Other Chemicals			93.85		
Farm Machinery and Vehicles						54.37
	Diesel Fuel			23.41		
	Repairs and Maintenance			30.95		
Irrigation Water (excluding labor)						0.00
Water Assessment (See Note Below) **						
Other Purchased Inputs & Seed/Transplants					9.50	41.75
Other Services and Rentals					32.25	
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES						599.88
CASH HARVEST AND POST HARVEST EXPENSES						
Paid Labor (including benefits)						20.00
	Tractor/Self Propelled			10.57		
	Other/Contract			9.43		
Chemicals and Custom Applications						42.30
	Other Chemicals			42.30		
Farm Machinery and Vehicles						67.49
	Diesel Fuel			9.54		
	Repairs and Maintenance			57.95		
Custom Harvest/Post Harvest						2.21
Cotton Ginning						71.34
Crop Assessment						6.26
Other Materials						2.38
TOTAL HARVEST AND POST HARVEST EXPENSE						211.98
OPERATING OVERHEAD PICKUP USE						15.38
OPERATING INTEREST AT 10.0%						35.49
TOTAL CASH OPERATING EXPENSES						\$862.73
RETURNS OVER CASH OPERATING EXPENSES						\$149.94

Notes: The above figures do not include ownership costs, see table B for detailed cost allocation.

** A water assessment charge of \$34.50 per Acre is included as an ownership cost in Table B.

Table 8B. Allocations of Ownership Costs; Pima (ELS) Cotton, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Conventional
 CROP: Cotton, Pima ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Parker CRIR YIELD: 882.0 Lb / Acre PREVIOUS CROP: Cotton, Upland DATE: 2/22/99

Item	-- CASH COST BASIS (\$/ACRE) --		-- TOTAL COST BASIS (\$/ACRE) --	
	Income and Costs	Net Returns	Income and Costs	Net Returns
TOTAL INCOME at \$1.03 / Lb	\$1,012.67		\$1,012.67	
TOTAL OPERATING EXPENSES	\$862.73		\$862.73	
RETURN OVER CASH OPERATING EXPENSES		\$149.94		\$149.94
CASH OVERHEAD EXPENSES				
Taxes, Housing and Insurance, Farm Machinery	12.99		12.99	
General and Office Overhead (5.0% of Total Operating Exp.)	43.14		43.14	
General Farm Maintenance (3.0% of Total Operating Exp.)	25.88		25.88	
Total Cash Overhead Expenses	82.00		82.00	
Total Cash Operating and Overhead Cost	944.73		944.73	
RETURNS OVER CASH OPER. AND OVER. EXPENSES		\$67.94		\$67.94
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery and Vehicles			88.75	
Interest on Equity, Machinery and Vehicles			43.18	
Total Capital Allocations			131.93	
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK ----->		\$67.94		
RETURNS TO LAND, MANAGEMENT AND RISK ----->				(\$63.99)
Land Cost / Rent or Lease	150.00		150.00	
Water Assessment	34.50		34.50	
Total Land Costs	184.50		184.50	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		(\$116.56)		
RETURNS TO MANAGEMENT AND RISK ----->				(\$248.49)
Management Services (8% of Total Operation Expenses)			69.02	
TOTAL OWNERSHIP COST	266.50		467.45	
TOTAL COST	\$1,129.23		\$1,330.18	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		(\$116.56)		
RETURNS TO RISK (PROFITS) ----->				(\$317.51)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)		\$0.86		\$0.86
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.30		\$0.53
BREAK-EVEN PRICE TO COVER TOTAL COST		\$1.16		\$1.39

Table 8C. Variable Operating Costs; Pima (ELS) Cotton, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Conventional
 CROP: Cotton, Pima ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Parker CRIR YIELD: 882.0 Lb / Acre PREVIOUS CROP: Cotton, Upland DATE: 2/22/99

No.	First Month	Operation	---- Hours * ----		---- Operating Costs (\$/ACRE *) Per Operation ----					Tot. Cash Expenses	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Serv.	Materials	Total			Times
1	Dec	Disk	0.138	0.154	2.78	1.31			4.08	2.0	8.17	L
2	Dec	Rip	0.378	0.420	7.58	3.56			11.14	1.0	11.14	L
3	Dec	Landplane	0.180	0.200	2.60	1.69			4.29	1.0	4.29	L
4	Dec	Laser Level					40.50		40.50	0.5	20.25	L
5	Dec	Soil Fertility					3.00		3.00	1.0	3.00	G
6	Dec	Apply Herbicide/Ground	0.164	0.182	2.76	1.54		12.34	16.64	1.0	16.64	G
7	Jan	Apply Fert/Ground	0.150	0.167	1.96	1.42		13.97	17.35	1.0	17.35	G
8	Feb	List	0.150	0.167	2.73	1.42			4.14	1.0	4.14	L
9	Feb	Buck Rows	0.022	0.025	0.14	0.21			0.35	5.0	1.74	G
10	Feb	Soil Fertility					3.00		3.00	1.0	3.00	G
11	Feb	Preirrigate		0.667		4.72			4.72	1.0	4.72	G
12	Feb	Disk Ends	0.011	0.013	0.11	0.11			0.22	5.0	1.08	G
13	Feb	Mulch	0.180	0.200	3.86	1.69			5.56	1.0	5.56	L
14	Mar	Mulch	0.150	0.167	1.93	1.42			3.35	1.0	3.35	L
15	Mar	Plant	0.188	0.210	2.69	1.78		9.50	13.96	1.0	13.96	L
16	Mar	Remove Cap	0.113	0.125	0.68	1.06			1.74	1.0	1.74	G
17	Apr	Cultivate	0.150	0.167	1.93	1.42			3.35	4.0	13.38	G
18	Apr	Apply Fert/Inject	0.150	0.167	2.47	1.42		15.21	19.09	3.0	57.28	G
19	May	Apply Herbicide/Ground	0.180	0.200	1.50	1.69		19.15	22.35	1.0	22.35	G
20	May	Irrigate		0.333		2.35			2.35	8.0	18.84	G
21	Jun	Irrigate/Run Fertilizer		0.333		2.35		10.14	12.50	1.0	12.50	G
22	Jun	Field Scouting					6.00		6.00	1.0	6.00	G
23	Jun	Apply Growth Regulator					4.23	51.38	55.61	1.0	55.61	G
24	Jun	Apply Insecticide/Air					4.23	7.70	11.93	5.0	59.65	G
25	Jul	Hand Weeding		2.000		13.44			13.44	2.0	26.88	G
26	Jul	Apply Insecticide/Air					4.23	18.87	23.10	1.0	23.10	G
27	Jul	Apply Insecticide/Air					4.23	24.44	28.67	1.0	28.67	G
28	Jul	Apply Insecticide/Air					4.23	27.52	31.75	1.0	31.75	G
29	Jul	Apply Insecticide/Air					4.23	23.43	27.66	1.0	27.66	G
30	Aug	Apply Insecticide/Air					4.23	33.58	37.81	1.0	37.81	G
31	Aug	Apply Insecticide/Air					4.23	21.12	25.35	1.0	25.35	G
32	Aug	Apply Insecticide/Air					4.23	16.39	20.62	1.0	20.62	G
33	Sep	Apply Growth Regulator					4.23	16.61	20.84	0.3	6.25	G
34	Sep	Apply Defoliant/Air					4.75	25.12	29.87	1.0	29.87	H
35	Sep	Apply Defoliant/Air					4.75	7.68	12.43	1.0	12.43	H
36	Oct	Prepare Ends	0.022	0.025	0.24	0.21			0.46	1.0	0.46	H
37	Oct	Cotton, First Pick	0.900	1.000	36.83	7.07			43.90	1.0	43.90	H
38	Oct	Cotton, Make Modules	0.450	0.500	5.34	4.24		1.59	11.17	1.5	16.75	H

Table 8C. Variable Operating Costs; Pima (ELS) Cotton, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Conventional
 CROP: Cotton, Pima ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Parker CRIR YIELD: 882.0 Lb / Acre PREVIOUS CROP: Cotton, Upland DATE: 2/22/99

No.	First Month	Operation	---- Hours * ----		---- Operating Costs (\$/ACRE *) Per Operation ----				Tot. Cash Expenses	Class
			Machine	Labor	Fuel/Rps.	Labor Cust/Serv.	Materials	Total		
39	Oct	Haul, Custom .1 Mu							1.0	H
40	Oct	Cotton Ginning 25.9 Cs					71.34	71.34	1.0	P
41	Oct	Cotton Classing 1.8 Ba					2.21	2.21	1.0	M
42	Nov	Cotton, Second Pick 1.8	0.600	0.667	24.55	4.72		29.27	0.5	H
43	Nov	Cotton, Rood 1.8 Ba	0.450	0.500	15.10	4.24		19.34	0.5	H
44	Nov	Crop Assessment 1.8 Ba					6.26	6.26	1.0	M
45	Nov	Cut Stalks 1.8 Ba	0.200	0.222	2.58	1.88		4.46	1.0	P
46	Nov	Disk Residue 1.8 Ba	0.200	0.222	4.18	1.88		6.06	1.0	L
		Pickup Use60 Mi/Acre	2.000		15.38					
		Operating Interest at 10.0					35.49			
TOTAL CASH OPERATING EXPENSES (includes all times over):									862.73	T

*NOTES: Machine and labor hours and operating cost are for one time over the designated acreage. The "Tot. Cash Expense" column and the "TOTAL CASH OPERATING EXPENSES" row include all operations, all times over. Classes are defined below.
 A water assessment charge of \$34.50 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF THE NET REVENUES OVER TOTAL CASH EXPENSES (\$/ACRE)							
		Prices	- 25%	- 10%	Budgeted	+ 10%	+ 25%		
Land Preparation (L)	76.92	Yields	\$0.77	\$0.93	\$1.03	\$1.13	\$1.29	Break-even Price	
Growing (G)	522.96								
Harvest (H)	127.71								
Post Harvest (P)	75.80	- 25%	661.5	-293.03	-190.83	-122.69	-54.56	47.64	1.22
Marketing (M)	8.47	- 10%	793.8	-222.63	-99.98	-18.22	63.54	186.18	1.05
Operating Overhead (O)	50.87	Budgeted	882.0	-175.69	-39.42	51.43	142.27	278.54	0.97
	=====	+ 10%	970.2	-128.75	21.14	121.07	221.00	370.90	0.91
Total (T)	\$862.73	+ 25%	1,102.5	-58.35	111.99	225.55	339.10	509.44	0.83
		Break-even Yield		1,212.14	939.41	816.88	722.62	616.00	

Table 8D. Resource and Cash Flow Requirements; Pima (ELS) Cotton, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Conventional
 CROP: Cotton, Pima ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Parker CRIR YIELD: 882.0 Lb / Acre PREVIOUS CROP: Cotton, Upland DATE: 2/22/99

Month *	Number Irrigations	Water Applied (inches)	Total Labor (Hrs)	Operating Costs (\$/ACRE *)							
				Purchased Water	Fuel, Oil and Repairs	Labor	Chemicals	Other Purchases	Services	Total	
DEC P			0.75		12.84	6.32	2.47				21.63
JAN C			0.50		7.07	4.20	21.38			3.00	35.64
FEB C	1.0	10.0	1.11		7.38	8.46	2.47			23.25	41.56
MAR C			0.30		3.28	2.55		3.80			9.63
APR C			0.43		5.26	3.68	15.21	5.70			29.86
MAY C	1.0	5.0	0.84		5.78	6.64	24.79				37.20
JUN C	2.0	10.0	1.17		5.78	8.99	83.87			14.46	113.10
JUL C	3.0	15.0	3.24		2.56	22.52	112.09			21.15	158.32
AUG C	2.0	10.0	2.80		1.31	19.32	86.49	0.32		21.15	128.59
SEP C	1.0	5.0	0.73		4.27	5.74	45.48	1.27		15.00	71.77
OCT C			0.23		7.61	1.63				14.71	23.94
NOV C			1.08		35.19	8.01				32.55	75.75
DEC C			1.00		23.54	8.01		0.79		32.55	64.88
Pickup Use60 Mi/Acre					15.38						15.38
Operating Interest at 10.0 Water Assessment				**						35.49	35.49
Total	10.0	55.0	14.17		137.24	106.06	394.24	11.88		213.31	862.73
%					15.91	12.29	45.70	1.38		24.73	100.00
TOTAL RESOURCE REQUIREMENTS (per Acre)			TOTAL ENERGY REQUIREMENTS (per Acre)								
Total N		201.9		Diesel Fuel	40.2	Gal					
Total P		14.3		Unleaded Gas	6.0	Gal					
Total K		7.1		All Direct Energy	6.3	M BTU					
Total Labor		14.2									
Total Water		55.0									
EQUIPMENT REQUIREMENTS (per Acre)											
Cotton Picker, 2 Row		1.20	Hr	Dbl. Offset Disk, 13'	0.08	Hr	Dbl. Offset Disk, 16'	0.20	Hr		
Directed Spray Rig, 8		0.18	Hr	Directed Spray Rig, 16	0.15	Hr	Fertilizer Injector, 6 Row	0.45	Hr		
Forage Harv,SP SB 14.0		0.22	Hr	Lister, 7 Bottom	0.15	Hr	Module Builder	0.67	Hr		
Offset Disk, 16.5'		0.44	Hr	Pickup Truck, 1/2 Ton	2.00	Hr	Planter, Drill Type, 6 Row	0.19	Hr		
Power Mulcher, 6 Rw		0.18	Hr	Rolling Cultivator, 6 Rw	0.75	Hr	Rood, 3 Row W/Basket	0.22	Hr		
Rotary Stalk Cutter, 4 Row		0.20	Hr	Rowbuck, 10'	0.11	Hr	Saddle Tk Sprayer, 2 Tk 8	0.16	Hr		
Section Harrow, 4 Section		0.11	Hr	Subsoiler, Heavy Duty, 7	0.38	Hr	Tractor, 70 PTO HP,	0.67	Hr		
Tractor, 80 PTO HP,		0.28	Hr	Tractor, 100 PTO HP,	0.39	Hr	Tractor, 150 PTO HP,	1.71	Hr		
Tractor, 175 PTO HP		0.81	Hr	Tractor, 200 PTO HP, 4WD	0.18	Hr	Tractor, 335 Eng HP, Art.	0.38	Hr		
MATERIALS REQUIREMENT (per Acre)											
05-10-05, Lqd		15.00	Ga	32-00-00, URAN 32, Lqd	55.00	Ga	Acephate	2.17	Lb		
Adhesive		26.65	Oz	Bifenthrin	10.60	Oz	Buffer	10.56	Oz		
Endosulfan		4.00	Pt	Endothall	1.00	Pt	Ethephon	0.30	Qt		
Fenpropathrin		20.00	Oz	Imidacloprid	3.50	Oz	Lambdacyhalothrin	4.00	Oz		
Mepiquat Chloride		1.00	Pt	Merphos	2.00	Pt	Module Tarps	45.00	C		
Pendimethalin		2.00	Pt	Permethrin	2.50	Oz	Pheromones	50.00	G		
Pima Cotton Sd + Fung		14.00	Lb	Profenofos	0.50	Pt	Prometryn	6.00	Pt		
Pyriproxyfen		8.00	Oz	Sodium Chlorate	3.00	Ga	Surfactant (spreader)	0.30	Pt		
Thidiazuron		0.20	Lb	Water, District	55.00	Al					
LABOR REQUIREMENT (per Acre)											
Hand Weeders		4.00	Hr	Harvest	1.33	Hr	Irrigators	3.66	Hr		
Tractor		5.17	Hr								

*NOTE: P = Previous Year C = Current Year N = Next Year

** A water assessment charge of \$34.50 per Acre is included as an ownership cost in Table B.

Table 8E. Schedule of Operations; Pima (ELS) Cotton, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Conventional
 CROP: Cotton, Pima ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Parker CRIR YIELD: 882.0 Lb / Acre PREVIOUS CROP: Cotton, Upland DATE: 2/22/99

First No. Month Times	Operation	Equipment/ Custom Oper		Job Rate Acres/Hr	Material Use and Cost				Service Cost \$/ Unit	Labor Type
		HP	Self-Prop./ Implement		Name	Appl. Rate	\$/ Unit			
1 Dec	2.0 Disk	175	Offset Disk, 16.5'	6.50						Tractor
2 Dec	1.0 Rip	245	Subsoiler, Heavy Duty, 7	2.38						Tractor
3 Dec	1.0 Landplane		Tractor, 200 PTO HP, 4WD	5.00						Tractor
4 Dec	0.5 Laser Level		CST Laser Level, Touchup					40.50	Ac	
5 Dec	1.0 Soil Fertility		CST Soil Analysis (Surface)					3.00	Ac	
6 Dec	1.0 Apply Herbicide/Ground	150	Saddle Tk Sprayer, 2 Tk 8 Offset Disk, 16.5'	5.50	Prometryn	3.00 Pt	31.04 Ga			Tractor
7 Jan	1.0 Apply Fert/Ground	150	Directed Spray Rig, 16	6.00	05-10-05, Lqd	15.00 Ga	185.00 Tn			Tractor
8 Feb	1.0 List	175	Lister, 7 Bottom	6.00						Tractor
9 Feb	5.0 Buck Rows	80	Rowbuck, 10'	40.00						Tractor
10 Feb	1.0 Soil Fertility		CST Soil Analysis (Surface)					3.00	Ac	
11 Feb	1.0 Preirrigate	1.50	Water, District			10.00 Al	0.00 AF			Irrigators
12 Feb	5.0 Disk Ends	80	Dbl. Offset Disk, 13'	80.00						Tractor
13 Feb	1.0 Mulch	175	Power Mulcher, 6 Rw	5.00						Tractor
14 Mar	1.0 Mulch	150	Rolling Cultivator, 6 Rw	6.00						Tractor
15 Mar	1.0 Plant	100	Planter, Drill Type, 6 Row	4.80	Pima Cotton Sd + Fung	14.00 Lb	0.64 Lb			Tractor
16 Mar	1.0 Remove Cap	80	Section Harrow, 4 Section	8.00						Tractor
17 Apr	4.0 Cultivate	150	Rolling Cultivator, 6 Rw	6.00						Tractor
18 Apr	3.0 Apply Fert/Inject	150	Fertilizer Injector, 6 Row	6.00	32-00-00, URAN 32,	15.00 Ga	173.00 Tn			Tractor
19 May	1.0 Apply Herbicide/Ground	100	Directed Spray Rig, 8	5.00	Prometryn	3.00 Pt	31.04 Ga			Tractor
					Pendimethalin	2.00 Pt	25.70 Ga			
20 May	8.0 Irrigate	3.00	Water, District			5.00 Al	0.00 AF			Irrigators
21 Jun	1.0 Irrigate/Run Fertilizer	3.00	Water, District			5.00 Al	0.00 AF			Irrigators
					32-00-00, URAN 32,	10.00 Ga	173.00 Tn			
22 Jun	1.0 Field Scouting		CST Scout For Insects					6.00	Ac	
23 Jun	1.0 Apply Growth Regulator		CST Air Spray, 3 Gal Mix		Mepiquat Chloride	1.00 Pt	107.75 Ga	4.23	Ac	
					Pyriproxyfen	8.00 Oz	560.00 Ga			
24 Jun	5.0 Apply Insecticide/Air		CST Air Spray, 3 Gal Mix		Pheromones	10.00 Gm	0.50 Gm	4.23	Ac	
					Adhesive	5.33 Oz	5.44 Lb			
					Permethrin	0.50 Oz	115.83 Ga			
25 Jul	2.0 Hand Weeding	0.50								Hand
26 Jul	1.0 Apply Insecticide/Air		CST Air Spray, 3 Gal Mix		Profenofos	0.50 Pt	120.00 Ga	4.23	Ac	
					Endosulfan	2.00 Pt	34.80 Ga			
					Buffer	1.60 Oz	1.00 Oz			
27 Jul	1.0 Apply Insecticide/Air		CST Air Spray, 3 Gal Mix		Bifenthrin	3.80 Oz	549.00 Ga	4.23	Ac	
					Acephate	0.50 Lb	10.31 Lb			
					Buffer	1.60 Oz	1.00 Oz			
28 Jul	1.0 Apply Insecticide/Air		CST Air Spray, 3 Gal Mix		Bifenthrin	3.80 Oz	549.00 Ga	4.23	Ac	
					Endosulfan	2.00 Pt	34.80 Ga			
					Buffer	0.96 Oz	1.00 Oz			

Table 8E. Schedule of Operations; Pima (ELS) Cotton, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Conventional
 CROP: Cotton, Pima ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Parker CRIR YIELD: 882.0 Lb / Acre PREVIOUS CROP: Cotton, Upland DATE: 2/22/99

First No.	Month	Times	Operation	Equipment/ Custom Oper		Job Rate Acres/Hr	----- Material Use and Cost ----- Name	----- Appl. Rate \$ / Unit	----- Service Cost \$ / Unit	Labor Type
				HP	Self-Prop./ Implement					
29	Jul	1.0	Apply Insecticide/Air	CST	Air Spray, 3 Gal Mix		Fenprothrin	10.00 Oz	174.00 Ga	4.23 Ac
							Acephate	0.67 Lb	10.31 Lb	
							Buffer	1.60 Oz	1.00 Oz	
30	Aug	1.0	Apply Insecticide/Air	CST	Air Spray, 3 Gal Mix		Fenprothrin	10.00 Oz	174.00 Ga	4.23 Ac
							Imidacloprid	3.50 Oz	591.67 Ga	
							Buffer	1.60 Oz	1.00 Oz	
							Surfactant (spreader)	0.15 Pt	16.13 Ga	
31	Aug	1.0	Apply Insecticide/Air	CST	Air Spray, 3 Gal Mix		Bifenthrin	3.00 Oz	549.00 Ga	4.23 Ac
							Acephate	0.50 Lb	10.31 Lb	
							Buffer	1.60 Oz	1.00 Oz	
							Surfactant (spreader)	0.15 Pt	16.13 Ga	
32	Aug	1.0	Apply Insecticide/Air	CST	Air Spray, 3 Gal Mix		Lambdacyhalothrin	4.00 Oz	278.75 Ga	4.23 Ac
							Acephate	0.50 Lb	10.31 Lb	
							Buffer	1.60 Oz	1.00 Oz	
33	Sep	0.3	Apply Growth Regulator	CST	Air Spray, 3 Gal Mix		Ethephon	1.00 Qt	62.67 Ga	4.23 Ac
34	Sep	1.0	Apply Defoliant/Air	CST	Air Spray, 5 Gal Mix		Merphos	2.00 Pt	49.88 Ga	4.75 Ac
							Thidiazuron	0.20 Lb	56.16 Lb	
35	Sep	1.0	Apply Defoliant/Air	CST	Air Spray, 5 Gal Mix		Sodium Chlorate	3.00 Ga	1.40 Ga	4.75 Ac
							Endothall	1.00 Pt	24.33 Ga	
36	Oct	1.0	Prepare Ends	100	Dbl. Offset Disk, 13'	40.00				Tractor
37	Oct	1.0	Cotton, First Pick		Cotton Picker, 2 Row	1.00				Harvest
38	Oct	1.5	Cotton, Make Modules	70	Module Builder	2.00	Module Tarps	30.00 C	0.05 CW	Tractor
39	Oct	1.0	Haul, Custom	CST	Haul Cotton Modules					0.00Mu
40	Oct	1.0	Cotton Ginning	CST	Gin Upland Cotton					2.75 Cs
41	Oct	1.0	Cotton Classing	CST	Class Cotton, HVI					1.25 Ba
42	Nov	0.5	Cotton, Second Pick		Cotton Picker, 2 Row	1.50				Harvest
43	Nov	0.5	Cotton, Rood		Forage Harv, SP SB 14.0 PSB	2.00				Tractor
44	Nov	1.0	Crop Assessment	CST	Upland (Low Elev)					3.55 Ba
45	Nov	1.0	Cut Stalks	150	Rotary Stalk Cutter, 4 Row	4.50				Tractor
46	Nov	1.0	Disk Residue	175	Dbl. Offset Disk, 16'	4.50				Tractor
			Pickup use 60 Mi/Ac		Pickup Truck, 1/2 Ton	0.50				

*NOTES: Machine times, labor times, and material rates are for one time over the designated acreage.