

Table 2.A Estimated costs and returns per Acre
St. Lawrence Drip-Irrigated Solid Planted Cotton (Bt)
2003 Projected Costs and Returns per Acre

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
cotton seed	lb	0.04	1600.0000	76.00	_____
cotton lint	lb.	0.52	1000.0000	520.00	_____
TOTAL INCOME				596.00	_____
DIRECT EXPENSES					
SEED					
seed (1st plant. Bt)	lb.	2.35	12.0000	28.20	_____
seed (2nd plant. Bt)	lb.	2.35	3.0000	7.05	_____
CROP INSURANCE					
crop insurance-cotto	acre	18.00	1.0000	18.00	_____
CUSTOM					
Aerial Spraying	acre	4.00	2.0000	8.00	_____
gin,bag,tie-transgen	acre	84.68	1.0000	84.68	_____
FERTILIZER					
nitrogen - cotton	lb.	0.18	90.0000	16.20	_____
phosphate	lb.	0.29	35.0000	10.15	_____
sulphuric acid	lb.	1.00	2.0000	2.00	_____
Preharvest Chemical					
cyclone - direx	pint	1.00	10.0000	10.00	_____
Treflan - cotton	pint	1.00	1.8750	1.87	_____
roundup	ounce	1.00	7.0000	7.00	_____
pix - transgenic	acre	8.00	1.0000	8.00	_____
flea hopper	acre	1.00	0.5000	0.50	_____
insecticide-gin	acre	1.00	1.0000	1.00	_____
Harvest Chemical					
cyclone defoliant	oz.	0.25	22.0000	5.50	_____
defoliant	pint	1.00	10.0000	10.00	_____
OPERATOR LABOR					
Implements	hour	7.00	0.2666	1.86	_____
Tractors	hour	7.00	1.4014	9.81	_____
IRRIGATION LABOR					
irrig- elec(ST L. SDI	hour	7.00	0.3008	2.10	_____
DIESEL FUEL					
Tractors	gal	1.10	11.1823	12.30	_____
Self-Propelled Eq.	gal	1.10	6.4000	7.04	_____
ELECTRICITY					
irrig- elec(ST L. SDI	kWh	0.09	1505.3566	135.48	_____
GASOLINE					
Self-Propelled Eq.	gal	1.30	4.2210	5.48	_____
REPAIR & MAINTENANCE					
Implements	Acre	6.26	1.0000	6.26	_____
Tractors	Acre	7.30	1.0000	7.30	_____
Self-Propelled Eq.	Acre	2.06	1.0000	2.06	_____
irrig- elec(ST L. SDI	ac-in	1.00	16.9990	16.99	_____
INTEREST ON OP. CAP.	Acre	12.06	1.0000	12.06	_____
TOTAL DIRECT EXPENSES				436.94	_____
RETURNS ABOVE DIRECT EXPENSES				159.05	_____
FIXED EXPENSES					
Implements	Acre	21.36	1.0000	21.36	_____
Tractors	Acre	27.43	1.0000	27.43	_____
Self-Propelled Eq.	Acre	7.01	1.0000	7.01	_____
irrig- elec(ST L. SDI	Acre	60.83	1.0000	60.83	_____
TOTAL FIXED EXPENSES				116.64	_____
TOTAL SPECIFIED EXPENSES				553.59	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				42.40	_____
ALLOCATED COST ITEMS					
lease - drip cotton	acre	50.00	1.0000	50.00	_____
RESIDUAL RETURNS				-7.59	_____

*Projections for Planning Purposes Only
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B-1241 (C6)

Table 2.B Estimated resource use and costs for field operations, per Acre
St. Lawrence Drip-Irrigated Solid Planted Cotton (Bt)
2003 Projected Costs and Returns per Acre

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES			TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
shredder -	25 ft	150	0.149	1.00	Dec	2.00	2.97	0.75	2.20	0.149	1.04					8.98
Chisel/Ripper-	11 shank	180	0.099	1.00	Jan	1.51	1.88	0.25	1.34	0.219	1.53					6.53
spring tooth-		180	0.110	1.00	Jan	1.66	2.08	0.13	0.18	0.110	0.77					4.84
nitrogen - cotton	lb.			1.00	Feb							90.0000	0.18	16.20		16.20
phosphate	lb.											35.0000	0.29	10.15		10.15
sulphuric acid	lb.											2.0000	1.00	2.00		2.00
field cultivator-	31 ft	180	0.065	1.00	Feb	0.99	1.23	0.22	1.14	0.143	1.00					4.61
lister-	8 row	180	0.133	1.00	Feb	2.02	2.52	0.31	0.39	0.133	0.93					6.18
irrg- elec(ST L. SDI	ac-in			1.00	Feb			11.95	60.83	0.023	0.16	1.3330				72.95
irrg- elec(ST L. SDI	ac-in			1.00	Mar			11.95		0.023	0.16	1.3330				12.12
cyclone - direx	pint			1.00	Apr							10.0000	1.00	10.00		10.00
irrg- elec(ST L. SDI	ac-in			1.00	Apr			11.95		0.023	0.16	1.3330				12.12
bedder		180	0.057	1.00	May	0.86	1.08	0.44	0.64	0.125	0.88					3.91
planter / replanter-	8 row	150	0.137	1.00	May	1.84	2.73	1.93	8.46	0.137	0.96					15.93
seed (1st plant. Bt)	lb.											12.0000	2.35	28.20		28.20
Treflan - cotton	pint											1.5000	1.00	1.50		1.50
planter / replanter-	8 row	150	0.137	0.25	May	0.46	0.68	0.48	2.11	0.034	0.24					3.98
seed (2nd plant. Bt)	lb.											3.0000	2.35	7.05		7.05
Treflan - cotton	pint											0.3750	1.00	0.37		0.37
irrg- elec(ST L. SDI	ac-in			1.00	Jun			29.15		0.057	0.40	3.2500				29.55
3-pt. Sprayer-	60 ft	150	0.125	1.00	Jun	1.67	2.48	0.31	0.77	0.125	0.87					6.12
roundup	ounce											7.0000	1.00	7.00		7.00
pickup #1			0.006	21.00	Jun			2.79	0.54							3.33
pickup #2			0.006	21.00	Jun			2.75	0.19							2.95
irrg- elec(ST L. SDI	ac-in			1.00	Jul			29.15		0.057	0.40	3.2500				29.55
row cultivator-		150	0.103	1.00	Jul	1.38	2.05	0.20	0.66	0.103	0.72					5.02
3-pt. Sprayer-	60 ft	150	0.125	1.00	Aug	1.67	2.48	0.31	0.77	0.125	0.87					6.12
irrg- elec(ST L. SDI	ac-in							29.15		0.057	0.40	3.2500				29.55
pix - transgenic	acre											1.0000	8.00	8.00		8.00
row cultivator-		150	0.103	1.00	Aug	1.38	2.05	0.20	0.66	0.103	0.72					5.02
irrg- elec(ST L. SDI	ac-in			1.00	Sep			29.15		0.057	0.40	3.2500				29.55
3-pt. Sprayer-	60 ft	150	0.125	1.00	Sep	1.67	2.48	0.31	0.77	0.125	0.87					6.12
flea hopper	acre											0.5000	1.00	0.50		0.50
crop insurance-cotto	acre											1.0000	18.00	18.00		18.00
cyclone defoliant	oz.			1.00	Oct							22.0000	0.25	5.50		5.50
Aerial Spraying	acre											1.0000	4.00	4.00		4.00
defoliant	pint			1.00	Oct							10.0000	1.00	10.00		10.00
Aerial Spraying	acre											1.0000	4.00	4.00		4.00
insecticide-gin	acre			1.00	Nov							1.0000	1.00	1.00		1.00
gin,bag,tie-transgen	acre			1.00	Nov							1.0000	84.68	84.68		84.68
boll buggy-		150	0.033	1.00	Nov	0.44	0.66	0.07	0.17	0.033	0.23					1.59
Cotton Stripper	8 row		0.400					9.04	6.26							15.31
Module Builder-	w/autotamp	150	0.129	1.00	Nov			0.30	1.02							1.32
TOTALS						19.60	27.43	173.34	89.21	1.968	13.78			218.15		541.52

*Information presented is prepared solely as a general guide and is not intended to recognize or predict the costs and returns from any one particular farm or ranch operation.
These projections were collected and developed by staff members of Texas Cooperative Extension and approved for publication.*

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B-1241 (C6)

INTEREST ON OPERATING CAPITAL	12.06
UNALLOCATED LABOR	0.00
TOTAL SPECIFIED COST	553.59
