

Table 13A. Income and Cash Operating Summary; Spring Cantaloupe, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Double Crop
 CROP: Cantaloupes ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Parker CRIR YIELD: 381.0 Ct / Acre PREVIOUS CROP: Cotton, Upland DATE: 12/14/98

Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget	
INCOME	Melons	Ctrn	381.00	\$12.90	\$4,914.90	\$4,914.90	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)							
Paid Labor (including benefits)						83.96	_____
Tractor/Self Propelled					41.51		_____
Irrigation					42.45		_____
Chemicals and Custom Applications						227.04	_____
Fertilizer					180.13		_____
Insecticide					41.97		_____
Other Chemicals					4.93		_____
Farm Machinery and Vehicles						54.22	_____
Diesel Fuel					20.36		_____
Repairs and Maintenance					33.86		_____
Irrigation Water (excluding labor)						69.75	_____
Water Assessment (See Note Below) **							_____
Other Purchased Inputs &						188.06	_____
Seed/Transplants					20.06		_____
Other Services and Rentals					168.00		_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES						623.02	_____
CASH HARVEST AND POST HARVEST EXPENSES							
Custom Harvest/Post Harvest						685.80	_____
Other Materials						282.70	_____
TOTAL HARVEST AND POST HARVEST EXPENSE						968.50	_____
OPERATING OVERHEAD PICKUP USE						7.69	_____
OPERATING INTEREST AT 10.0%						19.26	_____
TOTAL CASH OPERATING EXPENSES						\$1,618.47	=====
RETURNS OVER CASH OPERATING EXPENSES						\$3,296.43	_____

Notes: The above figures do not include ownership costs, see table B for detailed cost allocation.
 ** A water assessment charge of \$17.25 per Acre is included as an ownership cost in Table B.

Table 13B. Allocations of Ownership Costs; Spring Cantaloupe, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Double Crop
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Item	-- CASH COST BASIS (\$/ACRE) --		-- TOTAL COST BASIS (\$/ACRE) --	
	Income and Costs	Net Returns	Income and Costs	Net Returns
TOTAL INCOME at \$12.90 / Ct	\$4,914.90		\$4,914.90	
TOTAL OPERATING EXPENSES	\$1,618.47		\$1,618.47	
RETURN OVER CASH OPERATING EXPENSES		\$3,296.43		\$3,296.43
CASH OVERHEAD EXPENSES				
Taxes, Housing and Insurance, Farm Machinery	5.08		5.08	
General and Office Overhead (5.0% of Total Operating Exp.)	80.92		80.92	
General Farm Maintenance (3.0% of Total Operating Exp.)	48.55		48.55	
Total Cash Overhead Expenses	134.55		134.55	
Total Cash Operating and Overhead Cost	1,753.02		1,753.02	
RETURNS OVER CASH OPER. AND OVER. EXPENSES		\$3,161.88		\$3,161.88
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery and Vehicles			29.41	
Interest on Equity, Machinery and Vehicles			12.18	
Total Capital Allocations			41.59	
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK ----->		\$3,161.88		
RETURNS TO LAND, MANAGEMENT AND RISK ----->				\$3,120.29
Land Cost / Rent or Lease	150.00		150.00	
Water Assessment	17.25		17.25	
Total Land Costs	167.25		167.25	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$2,994.63		
RETURNS TO MANAGEMENT AND RISK ----->				\$2,953.04
Management Services (8% of Total Operation Expenses)			129.48	
TOTAL OWNERSHIP COST	301.80		472.87	
TOTAL COST	\$1,920.27		\$2,091.34	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$2,994.63		
RETURNS TO RISK (PROFITS) ----->				\$2,823.56
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)		\$4.25		\$4.25
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.79		\$1.24
BREAK-EVEN PRICE TO COVER TOTAL COST		\$5.04		\$5.49

Table 13C. Variable Operating Costs; Spring Cantaloupe, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Double Crop
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 AREA: Parker CRIR YIELD: 381.0 Ct / Acre PREVIOUS CROP: Cotton, Upland DATE: 12/14/98

No.	First Month	Operation	--- Hours * ---		--- Operating Costs (\$/ACRE *) Per Operation ---					Tot. Cash Expense	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Serv.	Materials	Total			Times
1	Feb	Rip	0.450	0.500	7.10	4.24			11.34	0.5	5.67	L
2	Feb	Disk	0.150	0.167	2.75	1.42			4.16	3.0	12.49	L
3	Feb	Plow	0.450	0.500	7.89	4.24			12.12	1.0	12.12	L
4	Feb	Laser Level	0.450	0.500	5.97	4.24			10.21	0.5	5.10	L
5	Feb	Soil Fertility					3.00		3.00	1.0	3.00	G
6	Feb	Apply Fert/Ground	0.180	0.200	1.82	1.69		52.47	55.99	1.0	55.99	G
7	Feb	List	0.225	0.250	2.51	2.12			4.63	1.0	4.63	L
8	Mar	Plant	0.360	0.400	5.84	3.39		20.06	29.29	1.0	29.29	L
9	Mar	Buck Rows	0.023	0.025	0.15	0.21			0.36	1.0	0.36	G
10	Mar	Irrigate		0.667		4.72		7.75	12.47	9.0	112.20	G
11	Mar	Cultivate	0.225	0.250	1.74	2.12			3.86	7.0	27.01	G
12	Mar	Apply Fert/Ground	0.257	0.286	3.49	2.42		63.83	69.74	2.0	139.49	G
13	Apr	Apply Insecticide/Air					4.75	16.24	20.99	2.0	41.97	G
14	Apr	Apply Fungicide/Air					4.75	0.18	4.93	1.0	4.93	G
15	Apr	Hand Weeding					75.00		75.00	2.0	150.00	G
16	Apr	Pollinate					15.00		15.00	1.0	15.00	G
17	May	Harvest 381 Ct					590.55	282.70	873.25	1.0	873.25	H
18	May	Haul, Custom 381 Ct					95.25		95.25	1.0	95.25	H
19	May	Disk Residue 381 Ct	0.180	0.200	3.30	1.69			4.99	1.0	4.99	L
		Pickup Use30 Mi/Acre	1.000		7.69						7.69	
		Operating Interest at 10.0					19.26				19.26	
TOTAL CASH OPERATING EXPENSES (includes all times over):					62.52	83.34	887.31	585.30			1618.47	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 \$17.25 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY BY CLASS

Land Preparation (L)	74.29
Growing (G)	548.73
Harvest (H)	968.50
Post Harvest (P)	0.00
Marketing (M)	0.00
Operating Overhead (O)	26.95
Total (T)	1,618.47

SENSITIVITY OF THE NET REVENUES OVER TOTAL CASH EXPENSES (\$/ACRE)

	Prices	- 25% - 10% Budgeted + 10% + 25%					Break-even Price
		- 25%	- 10%	Budgeted	+ 10%	+ 25%	
Yields		\$9.67	\$11.61	\$12.90	\$14.19	\$16.13	
- 25%	285.8	1,389.65	1,942.58	2,311.20	2,679.81	3,232.74	4.81
- 10%	342.9	1,797.30	2,460.82	2,903.16	3,345.50	4,009.01	4.43
Budgeted	381.0	2,069.07	2,806.31	3,297.80	3,789.29	4,526.52	4.24
+ 10%	419.1	2,340.84	3,151.80	3,692.44	4,233.08	5,044.03	4.09
+ 25%	476.3	2,748.49	3,670.03	4,284.40	4,898.76	5,820.30	3.90
Break-even Yield		90.93	71.53	62.62	55.68	47.75	

Table 13D. Resource and Cash Flow Requirements; Spring Cantaloupe, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Double Crop
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 AREA: Parker CRIR YIELD: 381.0 Ct / Acre PREVIOUS CROP: Cotton, Upland DATE: 12/14/98

Month *	Number Irrigations	Water Applied (inches)	Total Labor (Hrs)	Operating Costs (\$/ACRE *)						
				Purchased Water	Fuel, Oil and Repairs	Labor	Chemicals	Other Purchases	Services	Total
FEB C	1.0	6.0	2.37	7.75	28.12	35.56	52.47		3.00	126.90
MAR C	2.0	12.0	2.80	15.50	14.22	27.88	63.83	20.06		141.49
APR C	3.0	18.0	3.04	23.25	5.12	9.26	80.25		174.50	292.38
MAY C	3.0	18.0	2.25	23.25	1.70	6.83	16.24	141.35	348.55	537.92
JUN C			0.45		5.67	3.81		141.35	342.00	492.84
Pickup Use30 Mi/Acre					7.69					7.69
Operating Interest at 10.0									19.26	19.26
Water Assessment				**						
Total	9.0	54.0	10.90	69.75	62.52	83.34	212.79	302.76	887.31	1618.47
%				4.31	3.86	5.15	13.15	18.71	54.82	100.00

TOTAL RESOURCE REQUIREMENTS (per Acre)

Total N 149.6
 Total P 206.2
 Total K 31.1
 Total Labor 10.9
 Total Water 54.0

TOTAL ENERGY REQUIREMENTS (per Acre)

Diesel Fuel 24.9 Gal
 Unleaded Gas 3.0 Gal
 All Direct Energy 3.8 M BTU

EQUIPMENT REQUIREMENTS (per Acre)

Bed Shaper, 4 Rw	0.36 Hr	Cultivator, Sweep, 4 Rw	1.57 Hr	Drag Scraper, 14'	0.22 Hr
Fertilizer Broadcaster,	0.18 Hr	Fertilizer Injector, 4 Row	0.51 Hr	Laser, Complete System	0.22 Hr
Lister, 5 Bottom	0.22 Hr	Moldboard Plow, 4-16 2	0.45 Hr	Offset Disk, 16.5'	0.63 Hr
Pickup Truck, 1/2 Ton	1.00 Hr	Planter, Drill Type, 4 Row	0.36 Hr	Rowbuck, 10'	0.02 Hr
Tractor, 70 PTO HP	1.60 Hr	Tractor, 100 PTO HP	1.28 Hr	Tractor, 125 PTO HP	0.22 Hr
Tractor, 150 PTO HP	1.31 Hr	V-Ripper, 5 Shnk	0.22 Hr		

MATERIALS REQUIREMENT (per Acre)

11-48-00, Dry	300.00 Lb	15-08-04, Lqd	70.00 Ga	Cantaloupe Cartons	381.00 Ct
Cantaloupe Sd	2.00 Lb	Endosulfan	3.00 Pt	Fenvalerate	1.00 Pt
Sulfur	0.25 Lb	Water, District	54.00 Al		

LABOR REQUIREMENT (per Acre)

Irrigators	6.00 Hr	Tractor	4.90 Hr
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*NOTE: P = Previous Year C = Current Year N = Next Year

** A water assessment charge of \$17.25 per Acre is included as an ownership cost in Table B.

Table 13E. Schedule of Operations; Spring Cantaloupe, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Double Crop
 CROP: Cantaloupes ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Parker CRIR YIELD: 381.0 Ct / Acre PREVIOUS CROP: Cotton, Upland DATE: 12/14/98

First No.	Month	Times	Operation	Equipment/ Custom Oper HP Self-Prop./ Implement	Job Rate Acre/Hr	Material Use and Cost Name	Appl. Rate \$ / Unit	Service Cost \$ / Unit	Labor Type
1	Feb	0.5	Rip	150 V-Ripper, 5 Shnk	2.00				Tractor
2	Feb	3.0	Disk	150 Offset Disk, 16.5'	6.00				Tractor
3	Feb	1.0	Plow	150 Moldboard Plow, 4-16 2	2.00				Tractor
4	Feb	0.5	Laser Level	125 Drag Scraper, 14' Laser, Complete System	2.00				Tractor
5	Feb	1.0	Soil Fertility	CST Soil Analysis (Surface)				3.00 Ac	
6	Feb	1.0	Apply Fert/Ground	100 Fertilizer Broadcaster,	5.00	11-48-00, Dry	300.00 Lb	330.00 Tn	Tractor
7	Feb	1.0	List	100 Lister, 5 Bottom	4.00				Tractor
8	Mar	1.0	Plant	100 Planter, Drill Type, 4 Row Bed Shaper, 4 Rw	2.50	Cantaloupe Sd	2.00 Lb	9.46 Lb	Tractor
9	Mar	1.0	Buck Rows	70 Rowbuck, 10'	40.00				Tractor
10	Mar	9.0	Irrigate		1.50	Water, District	6.00 Al	15.50 AF	Irrigators
11	Mar	7.0	Cultivate	70 Cultivator, Sweep, 4 Rw	4.00				Tractor
12	Mar	2.0	Apply Fert/Ground	100 Fertilizer Injector, 4 Row	3.50	15-08-04, Lqd	35.00 Ga	310.00 Tn	Tractor
13	Apr	2.0	Apply Insecticide/Air	CST Air Spray, 5 Gal Mix		Fenvalerate	0.50 Pt	140.69 Ga	4.75 Ac
						Endosulfan	1.50 Pt	34.80 Ga	
						Sulfur	0.25 Lb	0.69 Lb	4.75 Ac
14	Apr	1.0	Apply Fungicide/Air	CST Air Spray, 5 Gal Mix					75.00 Ac
15	Apr	2.0	Hand Weeding	CST Hand Weeding					15.00 Ac
16	Apr	1.0	Pollinate	CST Bee Hive Rental					
17	May	1.0	Harvest	CST Cut & Load Melons		Cantaloupe Cartons	381.00 Ct	0.70 Ct	1.55 Ct
18	May	1.0	Haul, Custom	CST Haul Melons					0.25 Ct
19	May	1.0	Disk Residue	150 Offset Disk, 16.5'	5.00				Tractor
			Pickup use 30 Mi/Ac	Pickup Truck, 1/2 Ton	1.00				

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