

Table 14A. Income and Cash Operating Summary; Spring Honeydew, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Double Crop
 CROP: Honeydew Melons ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Parker CRIR YIELD: 593.0 Ct / Acre PREVIOUS CROP: Honeydew Melons DATE: 12/14/98

Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget	
INCOME	Melons	Crtn	593.00	\$5.81	\$3,445.33	\$3,445.33	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)							
Paid Labor (including benefits)						87.00	_____
Tractor/Self Propelled					51.17		_____
Irrigation					35.83		_____
Chemicals and Custom Applications						359.18	_____
Fertilizer					180.13		_____
Insecticide					123.79		_____
Herbicide					50.51		_____
Other Chemicals					4.75		_____
Farm Machinery and Vehicles						62.03	_____
Diesel Fuel					22.60		_____
Repairs and Maintenance					39.43		_____
Irrigation Water (excluding labor)						51.67	_____
Water Assessment (See Note Below) **							_____
Other Purchased Inputs &						285.97	_____
Seed/Transplants					42.97		_____
Other Services and Rentals					243.00		_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES						845.84	_____
CASH HARVEST AND POST HARVEST EXPENSES							
Custom Harvest/Post Harvest						1067.40	_____
Other Materials						848.58	_____
TOTAL HARVEST AND POST HARVEST EXPENSE						1915.98	_____
OPERATING OVERHEAD PICKUP USE						7.69	_____
OPERATING INTEREST AT 10.0%						13.17	_____
TOTAL CASH OPERATING EXPENSES						\$2,782.68	=====
RETURNS OVER CASH OPERATING EXPENSES						\$662.65	_____

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 14B. Allocations of Ownership Costs; Spring Honeydew, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Double Crop
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 AREA: Parker CRIR YIELD: 593.0 Ct / Acre PREVIOUS CROP: Honeydew Melons DATE: 12/14/98

Item	-- CASH COST BASIS (\$/ACRE) --		-- TOTAL COST BASIS (\$/ACRE) --	
	Income and Costs	Net Returns	Income and Costs	Net Returns
TOTAL INCOME at \$5.81 / Ct	\$3,445.33		\$3,445.33	
TOTAL OPERATING EXPENSES	\$2,782.68		\$2,782.68	
RETURN OVER CASH OPERATING EXPENSES		\$662.65		\$662.65
CASH OVERHEAD EXPENSES				
Taxes, Housing and Insurance, Farm Machinery	5.70		5.70	
General and Office Overhead (5.0% of Total Operating Exp.)	139.13		139.13	
General Farm Maintenance (3.0% of Total Operating Exp.)	83.48		83.48	
Total Cash Overhead Expenses	228.32		228.32	
Total Cash Operating and Overhead Cost	3,011.00		3,011.00	
RETURNS OVER CASH OPER. AND OVER. EXPENSES		\$434.33		\$434.33
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery and Vehicles			33.63	
Interest on Equity, Machinery and Vehicles			12.51	
Total Capital Allocations			46.14	
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK ----->		\$434.33		
RETURNS TO LAND, MANAGEMENT AND RISK ----->				\$388.19
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 ----->		\$267.08		
RETURNS TO MANAGEMENT AND RISK ----->				\$220.94
Management Services (8% of Total Operation Expenses)			222.61	
TOTAL OWNERSHIP COST	395.57		664.32	
TOTAL COST	\$3,178.25		\$3,447.00	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$267.08		
RETURNS TO RISK (PROFITS) ----->				(\$1.67)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)		\$4.69		\$4.69
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.67		\$1.12
BREAK-EVEN PRICE TO COVER TOTAL COST		\$5.36		\$5.81

Table 14C. Variable Operating Costs; Spring Honeydew, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Double Crop
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 AREA: Parker CRIR YIELD: 593.0 Ct / Acre PREVIOUS CROP: Honeydew Melons 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	Disk	0.150	0.167	2.75	1.42			4.16	1.0	4.16	L
2	Feb	Plow	0.450	0.500	7.89	4.24			12.12	2.0	24.25	L
3	Feb	Laser Level	0.450	0.500	5.97	4.24			10.21	0.5	5.10	L
4	Feb	Soil Fertility					3.00		3.00	1.0	3.00	G
5	Feb	Apply Fert/Ground	0.450	0.500	6.87	4.24		52.47	63.57	1.0	63.57	G
6	Feb	Apply Herbicide/Ground	0.225	0.250	1.70	2.12		50.51	54.33	1.0	54.33	G
7	Feb	List	0.225	0.250	2.51	2.12			4.63	1.0	4.63	L
8	Mar	Shape Beds	0.180	0.200	1.74	1.69		78.40	81.84	1.0	81.84	L
9	Mar	Plant	0.360	0.400	3.31	3.39		42.97	49.68	1.0	49.68	L
10	Mar	Irrigate		0.667		4.71		7.75	12.46	2.0	24.93	G
11	Mar	Irrigate		0.267		1.89		2.58	4.47	14.0	62.56	G
12	Mar	Cultivate	0.225	0.250	1.74	2.12			3.86	6.0	23.15	G
13	Mar	Spike Furrows	0.225	0.250	1.68	2.12			3.80	3.0	11.39	G
14	Mar	Apply Fert/Ground	0.257	0.286	3.49	2.42		63.83	69.74	2.0	139.48	G
15	Mar	Thinning					75.00		75.00	1.0	75.00	G
16	Apr	Hand Weeding					75.00		75.00	2.0	150.00	G
17	Apr	Pollinate					15.00		15.00	1.0	15.00	G
18	Apr	Apply Insecticide/Air					4.75	18.01	22.76	1.0	22.76	G
19	May	Apply Insecticide/Air					4.75	22.62	27.37	1.0	27.37	G
20	May	Pick and Load 593 Ct					919.15	848.58	1767.73	1.0	1767.73	H
21	May	Haul 0					148.25		148.25	1.0	148.25	H
22	Jun	Disk Residue 593 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					13.17				13.17	
TOTAL CASH OPERATING EXPENSES (includes all times over):					70.39	86.32	1333.07	1292.90			2782.68	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)	174.64
Growing (G)	671.20
Harvest (H)	1,915.98
Post Harvest (P)	0.00
Marketing (M)	0.00
Operating Overhead (O)	20.86
Total (T)	\$2,782.68

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

	Prices	Yields					Break-even Price
		- 25%	- 10%	Budgeted	+ 10%	+ 25%	
		\$4.36	\$5.23	\$5.81	\$6.39	\$7.26	
- 25%	444.8	-365.82	21.78	280.18	538.58	926.18	5.18
- 10%	533.7	-265.62	199.50	509.58	819.66	1,284.78	4.86
Budgeted	593.0	-198.81	317.99	662.52	1,007.05	1,523.85	4.69
+ 10%	652.3	-132.01	436.47	815.45	1,194.44	1,762.92	4.56
Break-even Yield		769.49	433.85	336.11	274.31	215.01	

Table 14D. Resource and Cash Flow Requirements; Spring Honeydew, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Double Crop
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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			2.42		27.07	35.00	102.98		3.00	168.05
MAR C	5.0	18.0	4.02	23.25	22.31	34.97	142.23	42.97	75.00	340.73
APR C	6.0	12.0	2.64	15.50	6.76	8.54	81.84		169.75	282.39
MAY C	5.0	10.0	1.83	12.92	3.34	6.12	22.62	424.29	539.35	1008.64
JUN C			0.20		3.22	1.69		424.29	532.80	962.00
Pickup Use30 Mi/Acre					7.69					7.69
Operating Interest at 10.0									13.17	13.17
Water Assessment				**						
Total	16.0	40.0	11.11	51.67	70.39	86.32	349.67	891.55	1333.07	2782.68
%				1.86	2.53	3.10	12.57	32.04	47.91	100.00

TOTAL RESOURCE REQUIREMENTS (per Acre)

Total N 149.6
 Total P 206.2
 Total K 31.1
 Total Labor 11.1
 Total Water 40.0

TOTAL ENERGY REQUIREMENTS (per Acre)

Diesel Fuel 27.6 Gal
 Unleaded Gas 3.0 Gal
 All Direct Energy 4.2 M BTU

EQUIPMENT REQUIREMENTS (per Acre)

Bed Shaper, 4 Rw	0.18 Hr	Cultivator, Sweep, 4 Rw	1.35 Hr	Directed Spray Rig, 8	0.22 Hr
Drag Scraper, 14'	0.22 Hr	Fertilizer Injector, 4 Row	0.51 Hr	Fertilizer Spreader, 28'	0.45 Hr
Furrow Spike, 4 Rw	0.67 Hr	Laser, Complete System	0.22 Hr	Lister, 5 Bottom	0.22 Hr
Moldboard Plow, 4-16 2	0.90 Hr	Offset Disk, 16.5'	0.33 Hr	Pickup Truck, 1/2 Ton	1.00 Hr
Planter/Gramor, 4 Bd,8	0.36 Hr	Saddle Tk Sprayer, 2 Tk 8	0.18 Hr	Tractor, 25 PTO HP	0.36 Hr
Tractor, 70 PTO HP	2.25 Hr	Tractor, 100 PTO HP	1.19 Hr	Tractor, 100 PTO HP,	0.18 Hr
Tractor, 125 PTO HP	0.22 Hr	Tractor, 150 PTO HP	1.23 Hr		

MATERIALS REQUIREMENT (per Acre)

11-48-00, Dry	300.00 Lb	15-08-04, Lqd	70.00 Ga	Benomyl	1.00 Lb
Bensulide	10.00 Pt	Endosulfan	1.00 Pt	Fenvalerate	2.00 Pt
Honeydew Seeds	2.00 Th	Imidacloprid	16.00 Oz	Water, District	40.00 Al
Waxed Cartons	593.00 Ct				

LABOR REQUIREMENT (per Acre)

Irrigators 5.07 Hr Tractor 6.04 Hr

*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 14E. Schedule of Operations; Spring Honeydew, 1998

COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Double Crop
 CROP: Honeydew Melons ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Parker CRIR YIELD: 593.0 Ct / Acre PREVIOUS CROP: Honeydew Melons DATE: 12/14/98

No.	Month	First Times	Operation	Equipment/ Custom Oper		Job Rate Acre/Hr	Material Use and Cost				Service Cost \$ / Unit	Labor Type
				HP	Self-Prop./ Implement		Name	Appl. Rate	\$ / Unit			
1	Feb	1.0	Disk	150	Offset Disk, 16.5'	6.00						Tractor
2	Feb	2.0	Plow	150	Moldboard Plow, 4-16 2	2.00						Tractor
3	Feb	0.5	Laser Level	125	Drag Scraper, 14'	2.00						Tractor
4	Feb	1.0	Soil Fertility		Laser, Complete System CST Soil Analysis (Surface)						3.00 Ac	
5	Feb	1.0	Apply Fert/Ground	100	Fertilizer Spreader, 28'	2.00	11-48-00, Dry	300.00	Lb	330.00	Tn	Tractor
6	Feb	1.0	Apply Herbicide/Ground	70	Directed Spray Rig, 8 Row	4.00	Bensulide	10.00	Pt	38.12	Ga	Tractor
7	Feb	1.0	List	100	Lister, 5 Bottom	4.00						Tractor
8	Mar	1.0	Shape Beds	100	Bed Shaper, 4 Rw Saddle Tk Sprayer, 2 Tk 8 Row	5.00	Imidacloprid	16.00	Oz	591.67	Ga	Tractor
9	Mar	1.0	Plant	25	Planter/Gramor, 4 Bd,8	2.50	Honeydew Seeds	2.00	Th	20.27	Th	Tractor
10	Mar	2.0	Irrigate			1.50	Water, District	6.00	Al	15.50	AF	Irrigators
11	Mar	14.0	Irrigate			3.75	Water, District	2.00	Al	15.50	AF	Irrigators
12	Mar	6.0	Cultivate	70	Cultivator, Sweep, 4 Rw	4.00						Tractor
13	Mar	3.0	Spike Furrows	70	Furrow Spike, 4 Rw	4.00						Tractor
14	Mar	2.0	Apply Fert/Ground	100	Fertilizer Injector, 4 Row	3.50	15-08-04, Lqd	35.00	Ga	310.00	Tn	Tractor
15	Mar	1.0	Thinning		CST Thinning						75.00 Ac	
16	Apr	2.0	Hand Weeding		CST Hand Weeding						75.00 Ac	
17	Apr	1.0	Pollinate		CST Bee Hive Rental						15.00 Ac	
18	Apr	1.0	Apply Insecticide/Air		CST Air Spray, 5 Gal Mix		Benomyl	1.00	Lb	17.35	Lb	4.75 Ac
							Fenvalerate	1.00	Pt	135.94	Ga	
19	May	1.0	Apply Insecticide/Air		CST Air Spray, 5 Gal Mix		Fenvalerate	1.00	Pt	135.94	Ga	4.75 Ac
							Endosulfan	1.00	Pt	34.80	Ga	
20	May	1.0	Pick and Load		CST Cut & Load Melons		Waxed Cartons	593.00	Ct	1.35	Ct	1.55 Ct
21	May	1.0	Haul		CST Haul Melons						0.25 Ct	
22	Jun	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.

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