

COUNTY: La Paz	FARM: LaPaz County Farm	WATER SOURCE: BIA	TILLAGE: Double Crop
CROP: Cantaloups	ACRES: 1.0	IRRIGATION SYSTEM: Flood Furrow	SOIL: Sandy-Loam
AREA: Parker CRIR	YIELD: 439.0 Ct/Acre	PREVIOUS CROP: Wheat, Winter	DATE: 08/20/95

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Melons	Crtn	439.00	\$8.9000	\$3,907.10	\$3,907.10	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					90.14	_____
Tractor/Self Propelled				48.75		_____
Irrigation				36.90		_____
Other/Contract				4.49		_____
Chemicals & Custom Applications					293.02	_____
Fertilizers				177.64		_____
Insecticides				52.28		_____
Herbicides				46.75		_____
Other Chemicals				16.35		_____
Farm Machinery and Vehicles					49.59	_____
Diesel Fuel				23.40		_____
Repairs & Maint.				26.19		_____
Irrigation Water (excluding labor)					0.00	_____
Water Assessment (See Note Below) **					**	_____
Other Purchased Inputs & Services					453.28	_____
Seed/Transplants				181.28		_____
Other Services & Rentals				272.00		_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					886.03	_____
CASH HARVEST AND POST HARVEST EXPENSES						
Paid Labor (including benefits)					1.66	_____
Tractor/Self Propelled				1.66		_____
Farm Machinery and Vehicles					2.08	_____
Diesel Fuel				0.89		_____
Repairs & Maint.				1.18		_____
Custom Harvest/Post Harvest					812.15	_____
Other Materials					401.03	_____
TOTAL HARVEST AND POST HARVEST EXPENSE					1,216.91	_____
OPERATING OVERHEAD->PICKUP USE					7.15	_____
OPERATING INTEREST AT 9.0%					12.42	_____
TOTAL CASH OPERATING EXPENSES					\$2,122.52	_____
RETURNS OVER CASH OPERATING EXPENSES					\$1,784.58	_____

Notes: The above figures do not include ownership costs, see Table 12B on Next Page for detailed cost allocation.

\*\* A water assessment charge of \$13.50/Acre is included in the ownership costs of Table 12B.

Table 12B. Allocation of Ownership Costs; Fall Melons, 1995

COUNTY: La Paz                      FARM: LaPaz County Farm                      WATER SOURCE: BIA                      TILLAGE: Double Crop  
 CROP: Cantaloups                      ACRES: 1.0                      IRRIGATION SYSTEM: Flood Furrow                      SOIL: Sandy-Loam  
 AREA: Parker CRIR                      YIELD: 439.0 Ct/Acre                      PREVIOUS CROP: Wheat, Winter                      DATE: 08/20/95

Item	- CASH COST BASIS (\$/ACRE) -		- TOTAL COST BASIS (\$/ACRE) -	
	Income & Costs	Net Returns	Income & Costs	Net Returns
TOTAL INCOME at \$ 8.9000/Ct	\$3,907.10		\$3,907.10	
TOTAL OPERATING EXPENSES	2,122.52		2,122.52	
RETURN OVER CASH OPERATING EXPENSES		\$1,784.57		\$1,784.57
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	5.32		5.32	
Gen. & Off. Overhead ( 5% of Tot. Oper. Exp.)	106.12		106.12	
General Farm Maint. ( 3% of Tot. Oper. Exp.)	63.68		63.68	
Total Cash Overhead Expenses	175.12		175.12	
Total Cash Oper. & Over. Cost	2,297.64		2,297.64	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		1,609.45		1,609.45
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			29.64	
Interest on Equity, Machinery & Vehicles			11.74	
Total Capital Allocations			41.37	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK		1,609.45		
RETURNS TO LAND, MANAGEMENT & RISK				1,568.07
Land Cost / Rent or Lease	100.00		100.00	
Water Assessment **	13.50		13.50	
Total Land Costs	113.50		113.50	
RETURNS TO MANAGEMENT, CAPITAL & RISK		1,495.95		
RETURNS TO MANAGEMENT & RISK				1,454.57
Management Services ( 8% of Tot. Oper. Exp.)			169.80	
TOTAL OWNERSHIP COST	288.62		499.80	
TOTAL COST	\$2,411.14		\$2,622.32	
RETURN TO MANAGEMENT, CAPITAL & RISK		\$1,495.95		
RETURN TO RISK (PROFITS)				\$1,284.77
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Ct)		\$4.83		\$4.83
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.65		\$1.13
BREAK-EVEN PRICE TO COVER TOTAL COST		\$5.49		\$5.97

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No.	Month	First Operation	Hours * -		Operating Costs (\$/Acre*)					Tot. Cash Expense	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials	Total			
1	Jul	Disk	0.150	0.167	2.53	1.38			3.91	2.0	7.82	L
2	Jul	Rip	0.450	0.500	5.57	4.14			9.71	1.0	9.71	L
3	Jul	Laser Level	0.450	1.000	5.03	7.60			12.63	0.5	6.31	L
4	Jul	Soil Fertility					12.00		12.00	1.0	12.00	G
5	Jul	Apply Fert/Ground	0.180	0.200	1.55	1.66		51.19	54.40	1.0	54.40	G
6	Jul	Apply Herbicide/Ground	0.225	0.250	1.21	2.07		46.75	50.03	1.0	50.03	G
7	Jul	Incorporate Herbicide	0.225	0.250	2.80	2.07			4.87	1.0	4.87	G
8	Jul	List	0.225	0.250	2.25	2.07			4.32	1.0	4.32	L
9	Aug	Plant	0.360	0.800	4.95	6.09		181.28	192.32	1.0	192.32	L
10	Aug	Apply Fert/Ground	0.257	0.286	3.06	2.37		106.30	111.73	1.0	111.73	G
11	Aug	Buck Rows	0.023	0.025	0.10	0.21			0.31	8.0	2.50	G
12	Aug	Irrigate		0.667		4.61			4.61	8.0	36.88	G
13	Aug	Disk Ends	0.023	0.025	0.13	0.21			0.34	7.0	2.41	G
14	Aug	Cultivate	0.225	0.250	1.62	2.07			3.69	9.0	33.24	G
15	Aug	Apply Insect./Ground	0.225	0.250	1.21	2.07		4.87	8.15	1.0	8.15	G
16	Sep	Apply Fert/Ground	0.257	0.286	3.06	2.37		63.23	68.66	1.0	68.66	G
17	Sep	Thinning					75.00		75.00	1.0	75.00	G
18	Sep	Hand Weeding					75.00		75.00	2.0	150.00	G
19	Sep	Pollenate					35.00		35.00	1.0	35.00	G
20	Sep	Apply Insecticide/Air					5.00	20.68	25.68	1.0	25.68	G
21	Oct	Pick and Load 439.0 Ct					724.35	401.03	1,125.38	1.0	1,125.38	H
22	Oct	Haul, Custom 439.0 Ct					87.80		87.80	1.0	87.80	H
23	Nov	Residue Disposal	0.180	0.200	2.08	1.66			3.74	1.0	3.74	P
		Pickup Use 30 Mi/Ac	1.000		7.15						7.15	O
		Operating Interest at 9.00%					11.29				11.29	O
TOTAL CASH OPERATING EXPENSES:					\$58.82	\$91.79	\$1,100.44	\$875.33			\$2,126.38	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 \$13.50/Acre included as ownership cost in Table 12B.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF NET REVENUES OVER TOTAL CASH EXPENSES (\$/Acre)						
		Prices ->		-25%	-10%	Budgeted	+10%	+25%
Land Preparation (L)	\$220.48							
Growing (G)	670.52							
Harvest (H)	1,213.18	Yields		\$6.67	\$8.01	\$8.90	\$9.79	\$11.12 Break-even
Post Harvest (P)	3.73							
Marketing (M)	0.00		-25%	329.2	375.59	815.14	1,108.17	1,401.20
Operating Overhead (O)	18.44		-10%	395.1	632.60	1,160.06	1,511.70	1,863.34
			Budgeted	439.0	803.94	1,390.01	1,780.72	2,171.43
			+10%	482.9	975.28	1,619.96	2,049.74	2,479.52
			+25%	548.7	1,232.29	1,964.88	2,453.26	2,941.65
Total (T)	\$2,126.37	Break-even Yield		233.01	173.62	148.41	129.59	108.87

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Month *	Number Irrig.	Water Applied (Inches)	Total Labor (Hrs)	Operating Cost (\$/Acre)						
				Purchased Water	Fuel, Oil & Repairs	Labor	Chemicals	Other Purchases	Services	Total
JUL C			2.28		20.96	18.59	97.94		12.00	149.49
AUG C	3.0	18.0	4.18		14.52	31.41	111.17	181.28		338.38
SEP C	3.0	18.0	3.18		8.63	23.67	83.91		265.00	381.21
OCT C	2.0	12.0	2.20		5.48	16.48		200.51	388.50	610.97
NOV C			0.20		2.08	1.66		200.51	423.65	627.90
Pickup Use 30 Mi/Ac					7.15					7.15
Operating Interest at 9.0% Water Assessment				**					11.30	11.30
Total	8.0	48.0	12.06		58.82	91.80	293.02	582.31	1,100.45	2,126.40
%					2.76	4.31	13.78	27.38	51.75	100.00

TOTAL RESOURCES REQUIREMENTS(/Acre)		TOTAL ENERGY REQUIREMENTS(/Acre)	
Total N	149.6 lbs	Diesel Fuel	24.2 Gal
Total P	206.2 lbs	Regular Gas	0.0 Gal
Total K	31.0 lbs	NonLead Gas	3.0 Gal
Total Labor	12.0 Hrs		
Total Water	48.0 AI	All Direct Energy	3.7 M BTU

EQUIPMENT REQUIREMENTS(/Acre)			
Tractor, 150 PTO HP, MFWD	0.75 Hrs	Offset Disk, 18'	0.30 Hrs Ripper, 3 Shank 0.45 Hrs
Tractor, 125 PTO HP, MFWD	0.23 Hrs	Drag Scraper, 10'	0.23 Hrs Laser Receiver, Mast System 0.23 Hrs
Laser Trailer	0.23 Hrs	Tractor, 100 PTO HP, MFWD	1.68 Hrs Fertilizer Broadcaster, Towed 0.18 Hrs
Tractor, 50 PTO HP, MFWD	0.80 Hrs	Directed Spray Rig, 8 Row	0.45 Hrs Disk-Lister, 4 Rw 0.23 Hrs
Lister, 5 Bottom	0.23 Hrs	Planter, Drill Type, 4 Row	0.36 Hrs Bed Shaper, 4 Rw 0.36 Hrs
Fertilizer Injector, 4 Row	0.51 Hrs	Rowbuck, 10'	0.18 Hrs Tandem Disk, 12' 0.16 Hrs
Tractor, 70 PTO HP, MFWD	2.03 Hrs	Cultivator, Sweep, 4 Rw	2.03 Hrs Offset Disk, 13.5' 0.18 Hrs
Pickup Truck, 1/2 Ton	1.00 Hrs		

MATERIALS REQUIREMENTS(/Acre)			
11-48-00, Dry	300.00 Lb	Bensulide	10.00 Pt Cantaloupe Sd 2.50 Lb
15-08-04, Lqd	70.00 Ga	Imidacloprid	10.00 Oz Water, District 48.00 AI
Bifenthrin	1.00 Oz	Endosulfan	1.25 Pt Benomyl 1.00 Lb
Cantaloupe Cartons	439.00 Ct		

LABOR REQUIREMENTS(/Acre)			
Tractor	6.08 Hrs	Other	0.65 Hrs Irrigators 5.34 Hrs

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

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No.	Month	First Times	Operation	Equipment/Custom Oper.		Job Rate Acres/Hr	Material Use & Cost			Service Cost \$/Unit	Labor Type
				HP	Self-Prop./Implem.		Name	Appl. Rate	\$/Unit		
1	Jul	2.0	Disk	150	Offset Disk, 18'	6.00					Tractor
2	Jul	1.0	Rip	150	Ripper, 3 Shank	2.00					Tractor
3	Jul	0.5	Laser Level	125	Drag Scraper, 10' Laser Receiver, Mast Sy Laser Trailer	2.00					Tractor Other
4	Jul	1.0	Soil Fertility		CST Soil Analysis (Surf)					12.00 Ac	
5	Jul	1.0	Apply Fert/Ground	100	Fertilizer Broadcaster,	5.00	11-48-00, Dry	300.00 Lb	325.00 Tn		Tractor
6	Jul	1.0	Apply Herbicide/Groun	50	Directed Spray Rig, 8	4.00	Bensulide	10.00 Pt	35.62 Ga		Tractor
7	Jul	1.0	Incorporate Herbicide	100	Disk-Lister, 4 Rw	4.00					Tractor
8	Jul	1.0	List	100	Lister, 5 Bottom	4.00					Tractor
9	Aug	1.0	Plant	100	Planter, Drill Type, 4 Bed Shaper, 4 Rw	2.50	Cantaloupe Sd	2.50 Lb	69.06 Lb		Tractor Other
10	Aug	1.0	Apply Fert/Ground	100	Fertilizer Injector, 4	3.50	15-08-04, Lqd Imidacloprid	35.00 Ga 10.00 Oz	310.00 Tn 525.00 Ga		Tractor
11	Aug	8.0	Buck Rows	50	Rowbuck, 10'	40.00					Tractor
12	Aug	8.0	Irrigate			1.50	Water, District	6.00 AI	0.00 AF		Irrigator
13	Aug	7.0	Disk Ends	50	Tandem Disk, 12'	40.00					Tractor
14	Aug	9.0	Cultivate	70	Cultivator, Sweep, 4 Rw	4.00					Tractor
15	Aug	1.0	Apply Insect./Ground	50	Directed Spray Rig, 8	4.00	Bifenthrin Endosulfan	1.00 Oz 0.25 Pt	462.22 Ga 33.00 Ga		Tractor
16	Sep	1.0	Apply Fert/Ground	100	Fertilizer Injector, 4	3.50	15-08-04, Lqd	35.00 Ga	310.00 Tn		Tractor
17	Sep	1.0	Thinning		CST Thinning					75.00 Ac	
18	Sep	2.0	Hand Weeding		CST Hand Weeding					75.00 Ac	
19	Sep	1.0	Pollenate		CST Bee Hive Rental					35.00 Ac	
20	Sep	1.0	Apply Insecticide/Air		CST Air Spray, 3 Gal Mi		Benomyl Endosulfan	1.00 Lb 1.00 Pt	15.57 Lb 33.00 Ga	5.00 Ac	
21	Oct	1.0	Pick and Load		CST Cut & Load Melons		Cantaloupe Cartons	439.00 Ct	0.87 Ct	1.65 Ct	
22	Oct	1.0	Haul, Custom		CST Haul Melons					0.20 Ct	
23	Nov	1.0	Residue Disposal	100	Offset Disk, 13.5'	5.00					Tractor
			Pickup Use	30 Mi/Ac	Pickup Truck, 1/2 Ton	1.00					

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

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