Table 17A. Income and Cash Operating Summary; Spring Watermelons, 2001

FARM: La Paz County COUNTY: La Paz WATER SOURCE: **CRIR** Irrigation Project TILLAGE: Double Crop ACRES: Sandy-Loam CROP: Watermelons 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: AREA: Parker CRIR YIELD: 14.1 Tn / Acre PREVIOUS CROP: Cotton, Upland DATE: 8/22/01

ltem	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Melons	Ton	14.12	\$141.60	\$1,999.39	\$1,999.39	
CASH LAND PREPARATION AND GR Paid Labor (including benefits) Tractor/Self Propelled Irrigation Other/ Contract	OWING EXPENSES (incl	uding sales tax)		86.09 23.66 23.63	133.38	
Chemicals and Custom Applications Fertilizer Insecticide	i			143.60 309.92	453.52	
Farm Machinery and Vehicles Diesel Fuel Gasoline Repairs and Maintenance Irrigation Water (excluding labor) Water Assessment (See Note Below	ı) **			42.73 14.13 59.54	0.00	
Other Purchased Inputs & Seed/Transplants Other Services and Rentals				96.23 303.00	399.23	
TO CASH HARVEST AND POST HARVES	OTAL CASH LAND PREP ST EXPENSES	ARATION AND GROWI	NG EXPENSES		1102.52	
Paid Labor (including benefits) Tractor/Self Propelled				1.46	1.46	
Farm Machinery and Vehicles Diesel Fuel Repairs and Maintenance				1.48 1.67	3.15	
OPERATING OVERHEAD -> PICKUP	OTAL HARVEST AND PC USE	ST HARVEST EXPENS	iΕ		1096.00 1100.61 13.69	
OPERATING INTEREST AT 10.0% TOTAL CASH OPERATING EXPENSE RETURNS OVER CASH OPERA					33.65 \$2,250.47 (\$251.07)	

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

^{**} A water assessment charge of \$19.25 per Acre is included as an ownership cost in Table B.

Table 17B. Allocations of Ownership Costs; Spring Watermelons, 2001

COUNTY: La Paz FARM: La Paz County WATER SOURCE: CRIR Irrigation Project TILLAGE: Double Crop CROP: Watermelons ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam AREA: Parker CRIR YIELD: 14.1 Tn / Acre PREVIOUS CROP: Cotton, Upland DATE: 8/22/01

	CASH COST BASI	S (\$/ACRE)	TOTAL COST BAS	SIS (\$/ACRE)
Item	Income and Costs	Net Returns	Income and Costs	Net Returns
TOTAL INCOME at \$141.60 / Tn	\$1,999.39		\$1,999.39	
TOTAL OPERATING EXPENSES	\$2,250.47		\$2,250.47	
RETURN OVER CASH OPERATING EXPENSES		(\$251.07)		(\$251.07)
CASH OVERHEAD EXPENSES Taxes, Housing and Insurance, Farm Machinery General and Office Overhead (5.0%of Total Operating Exp.) General Farm Maintenance (3.0% of Total Operating Exp.)	12.31 112.52 67.51		12.31 112.52 67.51	
Total Cash Overhead Expenses	192.35		192.35	
Total Cash Operating and Overhead Cost RETURNS OVER CASH OPER. AND OVER. EXPENSES CAPITAL ALLOCATIONS (100% Equity)	2,442.81	(\$443.42)	2,442.81	(\$443.42)
Capital Replacement, Machinery and Vehicles Interest on Equity, Machinery and Vehicles			60.75 17.46	
Total Capital Allocations RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK RETURNS TO LAND, MANAGEMENT AND RISK			78.21	(\$521.63)
Land Cost / Rent or Lease Water Assessment **	150.00 19.25		150.00 19.25	
Total Land Costs RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO MANAGEMENT AND RISK	169.25	(\$612.67)	169.25	(\$690.88)
Management Services (8% of Total Operation Expenses)			180.04	(ψ030.00)
TOTAL OWNERSHIP COST	361.60		619.85	
TOTAL COST RETURNS TO CAPITAL, MANAGEMENT AND RISK	\$2,612.06 >	(\$612.67)	\$2,870.31	
RETURNS TO RISK (PROFITS)			>	(\$870.92)
Item	CASH COST BASI	S (\$/ACRE) Net Returns	TOTAL COST BAS Income and Costs	IS (\$/ACRE) Net Returns
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)		\$159.38		\$159.38
BREAK-EVEN PRICE TO COVER OWNERSHIP COST BREAK-EVEN PRICE TO COVER TOTAL COST		\$25.61 \$184.99		\$43.90 \$203.28

Table 17C. Variable Operating Costs; Spring Watermelons, 2001

FARM: La Paz County COUNTY: La Paz WATER SOURCE: **CRIR** Irrigation Project TILLAGE: Double Crop ACRES: CROP: Watermelons IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam AREA: Parker CRIR YIELD: 14.1 Tn / Acre PREVIOUS CROP: Cotton, Upland DATE: 8/22/01

	First		Hour	s *	Operati	ng Costs	(\$/ACRE *)	Per Opera	ation		Tot. Cash		
No.	Month	Operation	Machine	Labor	Fuel/Rps.		ust/Serv. Í		Total	Times	Expenses	Class	
1	Dec	Rip	0.300	0.333	5.23	2.92			8.15	1.0	8.15	L	
2	Dec	Disk	0.150	0.167	3.15	1.46			4.61	2.0	9.22	L	
3	Dec	Laser Level	0.225	0.250	3.83	2.19			6.03	1.0	6.03	L	
4	Jan	Soil Fertility					3.00		3.00	1.0	3.00	G	
5	Jan	Apply Fert/Ground	0.225	0.250	1.53	2.19		43.46	47.18	1.0	47.18	G	
6	Jan	List	0.150	0.167	2.01	1.46			3.47	1.0	3.47	L	
7	Jan	Shape Beds	1.200	1.333	16.81	11.70		77.97	106.47	1.0	106.47	L	
8	Jan	Plant	0.514	0.571	5.71	5.01		107.36	118.09	1.0	118.09	L	
9	Jan	Make Ditches	0.045	0.050	0.67	0.44			1.10	7.0	7.73	G	
10	Jan	Dust Control	0.009	0.010	0.17	0.16			0.33	150.0	48.80	G	
11	Jan	Irrigate		0.752		5.77			5.77	1.0	5.77	G	
12	Jan	Knock Ditches	0.023	0.025	0.33	0.22			0.55	7.0	3.86	G	
13	Jan	Cultivate	0.450	0.500	3.33	4.39			7.71	6.0	46.27	G	
14	Feb	Thinning					75.00		75.00	1.0	75.00	G	
15	Mar	Apply Fert/Ground	0.327	0.364	3.44	3.19		29.48	36.12	2.0	72.23	G	
16	Mar	Apply Insect./Ground	0.225	0.250	1.71	2.19		37.28	41.18	6.0	247.09	G	
17	Mar	Apply Herbicide/Ground	0.225	0.250	1.65	2.19		8.26	12.10	1.0	12.10	G	
18	Mar	Incorporate Herbicide	0.514	0.571	4.11	5.01			9.12	1.0	9.12	G	
19	Mar	Hand Weeding					75.00		75.00	1.0	75.00	G	
20	Mar	Irrigate		0.333		2.56			2.56	4.0	10.23	G	
21	Mar	Turn Vines					75.00		75.00	2.0	150.00	G	
22	Apr	Irrigate/Run Fertilizer		0.500		3.83		15.02	18.85	2.0	37.70	G	
23	May	Harvest 13.7 Tn					1096.00		1096.00	1.0	1096.00	Н	
24	Jun	Residue Disposal 13.7 Tn	0.150	0.167	3.15	1.46			4.61	1.0	4.61	Р	
		Pickup Use 50 Mi/Acre	1.667		13.69						13.69		
		Operating Interest at 10.0					33.65				33.65		
		TOTAL CASH OPERATING	EXPENSE	S (include	s all times over):						2250.47	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 \$19.25 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY	BY CLASS	SENSITIVIT	Y OF THE	NET REVE	ENUES OVI	ER TOTAL CA	ASH EXPEN	SES (\$/AC	RE)
Land Preparation (L)	251.43	Prices ->		- 25%	- 10%	Budgeted	+ 10%	+ 25%	
Growing (G)	851.09	Yields		\$106.20	\$127.44	\$141.60	\$155.76	\$177.00	Break-even Price
Harvest (H)	1,096.00								
Post Harvest (P)	4.61	- 25%	10.6	-967.00	-742.07	-592.12	-442.16	-217.23	197.51
Marketing (M)	0.00	- 10%	12.7	-907.16	-637.25	-457.30	-277.35	-7.44	177.59
Operating Overhead (O)	47.34	Budgeted	14.1	-867.27	-567.36	-367.42	-167.48	132.43	167.62
		+ 10%	15.5	-827.38	-497.48	-277.54	-57.61	272.29	159.47
Total (T)	\$2,250.47								
		Break-even Y	ïeld	44.82	25.58	19.89	16.27	12.78	

Table 17D. Resource and Cash Flow Requirements; Spring Watermelons, 2001

COUNTY: La Paz FARM: La Paz County WATER SOURCE: CRIR Irrigation Project TILLAGE: Double Crop CROP: Watermelons ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam AREA: Parker CRIR YIELD: 14.1 Tn / Acre PREVIOUS CROP: Cotton, Upland DATE: 8/22/01

		Water					Operatir	ng Costs (\$/A				
Month *	Number Irrigations	Applied (inches)	Total Labor (Hrs)	Purchased Water	Fuel, Oil and Repairs	, I	abor	Chemicals	Other Purchases	Services	Total	
Month	rigutions	()		Trutor	and Ropans			5.1011110413	. 410114003	23.71003	70101	
DEC P			0.75		12.2	1	6.58				18.79	
JAN C	1.0	18.0	3.41		31.8	7	29.83	132.56	96.23	3.00	293.49	
FEB C			1.88		16.0		18.54			75.00	109.55	
MAR C	2.0	8.0	4.23		28.6		38.44	112.30		150.00	329.37	
APR C	2.0	12.0	2.15		13.89		20.01	119.06		75.00	227.96	
MAY C	2.0	12.0	1.78		10.4		16.82	89.58		548.00	664.84	
JUN C			0.37	ļ	6.50		4.61			548.00	559.11	
	50 Mi/Acre				13.69	9					13.69	
	nterest at 10.0			**						33.65	33.65	
Water Asses	ssment			^^								
Total	7.0	50.0	14.56		133.24		134.83	453.50	96.23	1432.65	2250.47	
%					5.92		5.99	20.15	4.28	63.66	100.00	
Total N Total P Total Labo Total Wat		247.2 183.1 14.6 50.0		Diesel Fu Unleaded All Direct	d Gas	48.1 14.4 8.5	Gal					
EQUIPMEN	T REQUIREM	ENTS (per A	Acre)									
	per, 4 Rw		20 Hr	Dbl. Gang Disk Cu	lt, 1 Rw	3.21 Hr		Directed S	Spray Rig, 8	0.22 Hr		
Drag Scr	aper, 14'		22 Hr	Fert. Side Dress U	-,	0.65 Hr			Broadcaster,	0.22 Hr		
	Injector, 3 Rov		51 Hr	Flexi-Planter - 4 Ur	nits	0.51 Hr			mplete System	0.22 Hr		
Lister, 5 I			15 Hr	Motor Grader, 12'		0.47 Hr		Offset Dis		0.45 Hr		
	ruck, 1/2 Ton		67 Hr	Saddle Tk Sprayer		2.55 Hr			arrow, 3 Section	0.51 Hr		
,	80 PTO HP,		18 Hr	Tractor, 150 PTO F	1P,	1.35 Hr		Tractor, 20	00 PTO HP, 4WE	0.98 Hr		
	Ton w/1000 G		35 Hr	V-Ripper, 5 Shnk		0.30 Hr						
	S REQUIREMI											
10-34-00			00 Ga	11-52-00, Dry	30	00.00 Lb			Amm. Nitrate,	500.00 Lb		
	, URAN 32, Lo		00 Ga	Endosulfan		1.20 Lb		Esfenvale		12.00 Pt		
Imidaclop	oria	16.	00 Oz	Water, District		50.00 AI		vvatermelo	on Seed (Hyb)	3.00 Th		
	QUIREMENT (
Irrigators		3.	09 Hr	Tractor		9.98 Hr		Truck Driv	er	1.50 Hr		

^{*}NOTE: P = Previous Year C = Current Year N = Next Year

^{**} A water assessment charge of \$19.25 per Acre is included as an ownership cost in Table B.

Table 17E. Schedule of Operations; Spring Watermelons, 2001

COUNTY: La Paz FARM: La Paz County WATER SOURCE: CRIR Irrigation Project TILLAGE: Double Crop CROP: Watermelons ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam AREA: Parker CRIR YIELD: 14.1 Tn / Acre PREVIOUS CROP: Cotton, Upland DATE: 8/22/01

First			Equipment/ Custom Oper	Job Rate	Material U	se and C	ost		-	Service Cost	Labor
lo. Month	Times	Operation	HP Self-Prop./ Implement	Acre/Hr	Name	Appl	. Rat	te \$/Ur	nit	\$ / Unit	Type
Dec	1.0	Rip	200 V-Ripper, 5 Shnk	3.00							Tractor
Dec	2.0	Disk	200 Offset Disk, 18'	6.00							Tractor
Dec	1.0	Laser Level	200 Drag Scraper, 14'	4.00							Tractor
			Laser, Complete System								
Jan	1.0	Soil Fertility	CST Soil Analysis (Surface)							3.00 Ac	
Jan	1.0	Apply Fert/Ground	80 Fertilizer Broadcaster,	4.00	11-52-00, Dry	300.00	Lb	273.33	Tn		Tractor
Jan		List	150 Lister, 5 Bottom	6.00							Tractor
Jan	1.0	Shape Beds	150 Bed Shaper, 4 Rw	0.75	Imidacloprid	16.00	Oz	588.40	Ga		Tractor
			Saddle Tk Sprayer, 2 Tk 8 Row								
Jan	1.0	Plant	80 Flexi-Planter - 4 Units	1.75	Watermelon Seed	3.00	Th	30.26	Th		Tractor
			Fertilizer Injector, 3 Row		10-34-00, Lqd	7.00	Ga	263.33	Tn		
Jan	7.0	Make Ditches	Motor Grader, 12'	20.00							Tractor
Jan	150.0	Dust Control	Truck, 5 Ton w/1000 Gal Tank	100.00							Truck
Jan	1.0	Irrigate		1.33	Water, District	18.00	ΑI	0.00	ΑF		Irrigators
Jan	7.0	Knock Ditches	Motor Grader, 12'	40.00							Tractor
Jan	6.0	Cultivate	80 Dbl. Gang Disk Cult, 1 Rw	2.00							Tractor
Feb	1.0	Thinning	CST Thinning							75.00 Ac	
Mar	2.0	Apply Fert/Ground	80 Fert. Side Dress Unit, 4Row	2.75	20-00-00, Amm. Nitrate,	250.00	Lb	222.50	Tn		Tractor
Mar	6.0	Apply Insect./Ground	80 Saddle Tk Sprayer, 2 Tk 8	4.00	Esfenvalerate	2.00	Pt	140.69	Ga		Tractor
Mar	1.0	Apply Herbicide/Ground	80 Directed Spray Rig, 8 Row	4.00	Endosulfan	1.20	Lb	6.49	Lb		Tractor
Mar	1.0	Incorporate Herbicide	80 Dbl. Gang Disk Cult, 1 Rw Section Harrow. 3 Section	1.75							Tractor
Mar	1 0	Hand Weeding	CST Hand Weeding							75.00 Ac	
Mar		Irrigate	co. Hana Weeding	3 00	Water, District	4.00	ΑI	0.00	ΑF		Irrigators
Mar		Turn Vines	CST Hand Weeding	0.20	Trator, Diotriot	7.00	, vi	0.00	, vi	75.00 Ac	O .
Apr		Irrigate/Run Fertilizer	co. Hana Weeding		Water, District	8.00	ΔΙ	0.00	ΔF		Irrigators
Λþi	2.0	ingulo/Num i Citilizei			32-00-00, URAN 32,			170.80			inigators
May	1 0	Harvest	CST Harv/pack/haul	,	52 55 66, OTAN 52,	15.00	Ju	170.00		80.00 Tn	
Jun		Residue Disposal	200 Offset Disk, 18'	6.00							Tractor
Juli		Pickup use 50 Mi/Ac	Pickup Truck, 1/2 Ton	0.60							114001

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

Table 17F Operations Calendar; Spring Watermelons, 2001

COUNTY: La Paz FARM: Western Arizona Vegetables WATER SOURCE: CRIR TILLAGE: Double Crop
CROP: Watermelons ACRES: 1 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
ARFA: Parker YIFLD: 13.77 Tn/Acre PREVIOUS CROP: Cotton Upland DATE: 03/25/2001

AREA:	Parker YIELD: 13.77	i n/Acre			PREVI	JUS CRU	P: Cotton,	, Upiand		DATE:		03/25/2	2001	
						Month a	and Times	Operatio	n Perforn	ned				
No.	Operation		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Rip													1 P
2	Disk		1 C											1 P
3	Laser Level													1 P
4	Soil Fertility		1 C											
5	Apply Fert/Ground		1 C											
6	List		1 C											
7	Bed Shaping/Admire			1 C										
8	Plant		1 C											
9	Make Ditches		1 C	1 C	1 C	2 C	2 C							
10	Dust Control		10 C	30 C	30 C	30 C	30 C	30 C						
11	Irrigate		1 C											
12	Knock Ditches		1 C	1 C	1 C	2 C	2 C							
13	Cultivate			3 C	3 C									
14	Thinning			1 C										
15	Apply Fert/Ground				1 C	1 C								
16	Apply Insect./Ground					2 C	2 C	2 C						
17	Apply Herbicide/Ground				1 C									
18	Incorporate Herbicide				1 C									
19	Hand Weeding				1 C									
20	Irrigate				2 C	1 C	1 C							
21	Turn Vines				1 C	1 C								
22	Irrigate/Run Fertilizer					1 C	1 C							
23	Harv/pack/haul Watermelons						.5 C	.5 C						
24	Disk Residue							1 C						

^{*} NOTE: P = Previous Year C = Current Year N = Next Year