

Table 11A. Income and Cash Operating Cost Summary, Corn (Spring), 1996

COUNTY: La Paz FARM: LaPaz County Farm WATER SOURCE: BIA TILLAGE: Conventional
 CROP: Corn Grain ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Parker CRIR YIELD: 9,400.0 Lb/Acre PREVIOUS CROP: Cotton, Upland DATE: 10/02/96

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Grain	Pound	9,400.00	\$0.0557	\$523.58	\$523.58	
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					40.31	
Tractor/Self Propelled				21.70		
Hand				4.60		
Irrigation				14.01		
Chemicals & Custom Applications					177.44	
Fertilizers				111.72		
Insecticides				54.28		
Herbicides				11.45		
Farm Machinery and Vehicles					28.97	
Diesel Fuel				13.54		
Repairs & Maint.				15.43		
Irrigation Water (excluding labor)					0.00	
Water Assessment (See Note Below) **					**	
Other Purchased Inputs & Services					27.64	
Seed/Transplants				27.64		
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					274.35	
CASH HARVEST AND POST HARVEST EXPENSES						
Paid Labor (including benefits)					2.48	
Tractor/Self Propelled				2.29		
Irrigation				0.19		
Farm Machinery and Vehicles					2.72	
Diesel Fuel				1.24		
Repairs & Maint.				1.48		
Custom Harvest/Post Harvest					87.00	
TOTAL HARVEST AND POST HARVEST EXPENSE					92.19	
OPERATING OVERHEAD->PICKUP USE					7.88	
OPERATING INTEREST AT 9.0%					7.22	
TOTAL CASH OPERATING EXPENSES					\$381.65	
RETURNS OVER CASH OPERATING EXPENSES					\$141.93	

Notes: The above figures do not include ownership costs, see Table 11B on Next Page for detailed cost allocation.

** A water assessment charge of \$31.50/Acre is included in the ownership costs of Table 11B.

Table 11B. Allocation of Ownership Costs; Corn (Spring), 1996

COUNTY: La Paz FARM: LaPaz County Farm WATER SOURCE: BIA TILLAGE: Conventional
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Item	- CASH COST BASIS (\$/ACRE) -		- TOTAL COST BASIS (\$/ACRE) -	
	Income & Costs	Net Returns	Income & Costs	Net Returns
TOTAL INCOME at \$ 0.0557/Lb	\$523.58		\$523.58	
TOTAL OPERATING EXPENSES	381.65		381.65	
RETURN OVER CASH OPERATING EXPENSES		\$141.92		\$141.92
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	3.32		3.32	
Gen. & Off. Overhead (5% of Tot. Oper. Exp.)	19.08		19.08	
General Farm Maint. (3% of Tot. Oper. Exp.)	11.45		11.45	
Total Cash Overhead Expenses	<u>33.85</u>		<u>33.85</u>	
Total Cash Oper. & Over. Cost	415.50		415.50	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		108.07		108.07
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			18.20	
Interest on Equity, Machinery & Vehicles			7.33	
Total Capital Allocations			<u>25.52</u>	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK		108.07		
RETURNS TO LAND, MANAGEMENT & RISK				82.54
Land Cost / Rent or Lease	100.00		100.00	
Water Assessment **	31.50		31.50	
Total Land Costs	<u>131.50</u>		<u>131.50</u>	
RETURNS TO MANAGEMENT, CAPITAL & RISK		(23.42)		
RETURNS TO MANAGEMENT & RISK				(48.95)
Management Services (8% of Tot. Oper. Exp.)			30.53	
TOTAL OWNERSHIP COST	<u>165.35</u>		<u>221.41</u>	
TOTAL COST	<u>547.00</u>		<u>603.06</u>	
RETURN TO MANAGEMENT, CAPITAL & RISK		(\$23.42)		
RETURN TO RISK (PROFITS)				(\$79.48)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)		\$0.0406		\$0.0406
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.0175		\$0.0235
BREAK-EVEN PRICE TO COVER TOTAL COST		\$0.0581		\$0.0641

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No.	First Month	Operation	— Hours * —		Operating Costs (\$/Acre*)					Tot. Cash Expense	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials	Total			Times
1	Jan	Disk	0.188	0.208	3.00	1.81			4.81	3.0	14.44	L
2	Jan	Rip	0.265	0.294	4.74	2.56			7.30	1.0	7.30	L
3	Feb	Apply Herbicide/Ground	0.090	0.100	0.89	0.87		11.45	13.21	1.0	13.21	G
4	Feb	List	0.225	0.250	3.13	2.18			5.31	1.0	5.31	L
5	Feb	Apply Fert/Ground	0.113	0.125	1.53	1.09		27.88	30.50	1.0	30.50	G
6	Feb	Mulch	0.162	0.180	1.54	1.57			3.11	1.0	3.11	L
7	Feb	Disk Ends	0.011	0.013	0.11	0.11			0.22	3.0	0.66	G
8	Feb	Make Borders	0.022	0.025	0.18	0.22			0.40	3.0	1.21	G
9	Feb	Block Borders	0.011	0.013	0.09	0.11			0.20	3.0	0.60	G
10	Feb	Preirrigate		0.129		0.94		18.64	19.58	1.0	19.58	G
11	Feb	Knock Borders	0.022	0.025	0.14	0.22			0.36	3.0	1.08	G
12	Feb	Plant	0.180	0.200	2.60	1.74		27.64	31.98	1.0	31.98	L
13	Mar	Remove Cap	0.082	0.091	0.53	0.79			1.32	1.0	1.32	G
14	Mar	Cultivate	0.200	0.222	1.90	1.93			3.83	1.0	3.83	G
15	Mar	Irrigate/Run Fertilizer		0.200		1.45		7.25	8.70	9.0	78.30	G
16	Apr	Cultivate	0.161	0.179	1.53	1.56			3.09	1.0	3.09	G
17	Apr	Hand Weeding		0.667		4.60			4.60	1.0	4.60	G
18	May	Apply Insecticid					6.00	11.66	17.66	1.0	11.66	G
19	May	Apply Insecticid					6.00	21.30	27.30	2.0	42.60	G
20	Jul	Prepare Ends	0.011	0.013	0.12	0.09			0.21	2.0	0.43	H
21	Jul	Combine Harvest					41.00		41.00	1.0	41.00	H
22	Jul	Haul 50 MI					23.50		23.50	1.0	23.50	H
23	Jul	Drying 4.5 Tn					22.50		22.50	1.0	22.50	P
24	Aug	Cut Stalks	0.237	0.263	2.47	2.29			4.76	1.0	4.76	P
		Pickup Use 30 Mi/Ac	1.000		7.87						7.87	O
		Operating Interest at 9.00%					7.21				7.21	O
TOTAL CASH OPERATING EXPENSES:					\$39.56	\$42.76	\$94.21	\$205.12			\$381.65	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 \$31.50/Acre included as ownership cost in Table 11B.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF NET REVENUES OVER TOTAL CASH EXPENSES (\$/Acre)							
		Prices ->		-25%	-10%	Budgeted	+10%	+25%	
Land Preparation (L)	\$62.13								
Growing (G)	212.24								
Harvest (H)	64.92	Yields		\$0.04	\$0.05	\$0.05	\$0.06	\$0.06	Break-even
Post Harvest (P)	27.25								
Marketing (M)	0.00	-25%	7,050.0	-64.09	-5.18	34.07	73.34	132.25	0.05
Operating Overhead (O)	15.08	-10%	8,460.0	-19.01	51.66	98.78	145.91	216.59	0.04
		Budgeted	9,400.0	11.03	89.56	141.92	194.28	272.82	0.04
		+10%	10,340.0	41.08	127.47	185.06	242.66	329.05	0.03
		+25%	11,750.0	86.15	184.32	249.77	315.22	413.39	0.03
Total (T)	\$381.65	Break-even Yield		9,054.87	7,178.68	6,307.41	5,624.73	4,839.11	

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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
JAN C			0.71		10.74	6.18				16.92
FEB C	1.0	7.0	1.26		13.22	10.85	57.97	27.64		109.68
MAR C	2.0	8.0	0.78		2.95	6.29	14.49			23.73
APR C	2.0	8.0	1.32		2.05	9.73	14.49			26.27
MAY C	2.0	8.0	0.40			2.90	47.45			50.35
JUN C	2.0	8.0	0.41		0.12	3.00	35.79			38.91
JUL C	1.0	4.0	0.21		0.12	1.55	7.25		63.50	72.42
AUG C			0.26		2.47	2.29				4.76
Pickup Use 30 Mi/Ac					7.87					7.87
Operating Interest at 9.0%									7.22	7.22
Water Assessment				**						
Total	10.0	43.0	5.37		39.56	42.79	177.44	27.64	70.72	358.15
%					11.04	11.94	49.54	7.71	19.74	100.00

TOTAL RESOURCES REQUIREMENTS (/Acre)			TOTAL ENERGY REQUIREMENTS (/Acre)		
Total N	341.2 lbs		Diesel Fuel	15.2 Gal	
Total P	90.0 lbs		Regular Gas	0.0 Gal	
Total K	0.0 lbs		NonLead Gas	3.0 Gal	
Total Labor	5.3 Hrs		All Direct Energy	2.4 M BTU	
Total Water	43.0 AI				

EQUIPMENT REQUIREMENTS (/Acre)					
Tractor, 150 PTO HP, MFWD	0.79 Hrs	Offset Disk, 16.5'	0.56 Hrs	Tractor, 175 PTO HP	0.27 Hrs
V-Ripper, 5 Shnk	0.27 Hrs	Tractor, 100 PTO HP, MFWD	1.26 Hrs	Directed Spray Rig, 16 Row	0.09 Hrs
Lister, 7 Bottom	0.23 Hrs	Fertilizer Spreader, 28'	0.11 Hrs	Rolling Cultivator, 6 Rw	0.52 Hrs
Tractor, 80 PTO HP, MFWD	0.18 Hrs	Dbl. Offset Disk, 13'	0.03 Hrs	Blade Scraper, 10'	0.10 Hrs
Border Disk, 6' Disk	0.07 Hrs	Planter, 6 Row	0.18 Hrs	Section Harrow, 4 Section	0.08 Hrs
Offset Disk, 13.5'	0.02 Hrs	Flail Stalk Cutter, 4 Row	0.24 Hrs	Pickup Truck, 1/2 Ton	1.00 Hrs

MATERIALS REQUIREMENTS (/Acre)					
Atrazine	5.00 Lb	00-45-00, Treble Super.	200.00 Lb	Water, District	43.00 AI
46-00-00, Urea 46	100.00 Lb	Field Corn Sd	28.00 Th	82-00-00, Anhyd. Ammonia	360.00 Lb
Permethrin	16.00 Oz	Methomyl	5.00 Pt		

LABOR REQUIREMENTS (/Acre)					
Tractor	2.76 Hrs	Irrigators	1.96 Hrs	Hand Weeders	0.67 Hrs

* NOTE: P = Previous Year C = Current Year N = Next Year
 ** A water assessment charge of \$31.50/Acre included as ownership cost in Table 11B.

Table 11E Schedule of Operations; Corn (Spring), 1996

COUNTY: La Paz	FARM: LaPaz County Farm	WATER SOURCE: BIA	TILLAGE: Conventional
CROP: Corn Grain	ACRES: 1.0	IRRIGATION SYSTEM: Flood Furrow	SOIL: Sandy-Loam
AREA: Parker CRIR	YIELD: 9,400.0 Lb/Acre	PREVIOUS CROP: Cotton, Upland	DATE: 10/02/96

No.	Month	Times	Operation	Equipment/Custom Oper.		Job Rate Acres/Hr	Material Use & Cost			Service Cost \$/Unit	Labor Type
				HP	Self-Prop./Implem.		Name	Appl. Rate	\$/Uni		
1	Jan	3.0	Disk	150	Offset Disk, 16.5'	4.80					Tractor
2	Jan	1.0	Rip	175	V-Ripper, 5 Shnk	3.40					Tractor
3	Feb	1.0	Apply Herbicide/Groun	100	Directed Spray Rig, 16	10.00	Atrazine	5.00 Lb	2.18 Lb		Tractor
4	Feb	1.0	List	150	Lister, 7 Bottom	4.00					Tractor
5	Feb	1.0	Apply Fert/Ground	100	Fertilizer Spreader, 28	8.00	00-45-00, Treble S	200.00 Lb	265.50 Tn		Tractor
6	Feb	1.0	Mulch	100	Rolling Cultivator, 6 R	5.60					Tractor
7	Feb	3.0	Disk Ends	80	Dbl. Offset Disk, 13'	80.00					Tractor
8	Feb	3.0	Make Borders	100	Blade Scraper, 10'	40.00					Tractor
9	Feb	3.0	Block Borders	100	Blade Scraper, 10'	76.90					Tractor
10	Feb	1.0	Preirrigate			7.80	Water, District	7.00 AI	0.00 AF		Irrigator
							46-00-00, Urea 46	100.00 Lb	355.00 Tn		
11	Feb	3.0	Knock Borders	80	Border Disk, 6' Disk	40.00					Tractor
12	Feb	1.0	Plant	100	Planter, 6 Row	5.00	Field Corn Sd	28.00 Th	0.94 Th		Tractor
13	Mar	1.0	Remove Cap	80	Section Harrow, 4 Secti	11.00					Tractor
14	Mar	1.0	Cultivate	100	Rolling Cultivator, 6 R	4.50					Tractor
15	Mar	9.0	Irrigate/Run Fertiliz			5.00	Water, District	4.00 AI	0.00 AF		Irrigator
							82-00-00, Anhyd. A	40.00 Lb	345.00 Tn		
16	Apr	1.0	Cultivate	100	Rolling Cultivator, 6 R	5.60					Tractor
17	Apr	1.0	Hand Weeding			1.50					Hand Weed
18	May	1.0	Apply Insecticide/Air		CST		Permethrin	8.00 Oz	177.72 Ga	6.00	
19	May	2.0	Apply Insecticide/Air		CST		Permethrin	4.00 Oz	177.72 Ga	6.00	
							Methomyl	2.50 Pt	47.16 Ga		
20	Jul	2.0	Prepare Ends	100	Offset Disk, 13.5'	80.00					Irrigator
21	Jul	1.0	Combine Harvest		CST Combine Corn					17.50 Ac	
22	Jul	1.0	Haul		CST Haul Grain					0.25 CW	
23	Jul	1.0	Drying		CST Dry Corn					5.00 Tn	
24	Aug	1.0	Cut Stalks	100	Flail Stalk Cutter, 4 R	3.80					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.

** A water assessment charge of \$31.50/Acre included as ownership cost in Table 11B.