

Table 4A. Income and Cash Operating Cost Summary, Alfalfa Stand Establish, 1996

COUNTY: La Paz                      FARM: LaPaz County Farm                      WATER SOURCE: BIA                      TILLAGE: Conventional  
 CROP: Alfalfa Hay                      ACRES: 1.0                      IRRIGATION SYSTEM: Flood Basin                      SOIL: Sandy-Loam  
 AREA: Parker CRIR                      YIELD: 0.0 Tn/Acre                      PREVIOUS CROP: Wheat, Winter                      DATE: 09/26/96

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
<b>CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)</b>						
Paid Labor (including benefits)					39.94	_____
Tractor/Self Propelled				28.08		_____
Irrigation				11.87		_____
Chemicals & Custom Applications					99.84	_____
Fertilizers				49.61		_____
Herbicides				50.23		_____
Farm Machinery and Vehicles					44.03	_____
Diesel Fuel				20.83		_____
Repairs & Maint.				23.20		_____
Irrigation Water (excluding labor)					0.00	_____
Water Assessment (See Note Below) **					**	_____
Other Purchased Inputs & Services					118.13	_____
Seed/Transplants				55.13		_____
Other Services & Rentals				63.00		_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					<u>301.94</u>	_____
<b>CASH HARVEST AND POST HARVEST EXPENSES</b>						
TOTAL HARVEST AND POST HARVEST EXPENSE					<u>0.00</u>	_____
<b>OPERATING OVERHEAD-&gt;PICKUP USE</b>						
TOTAL CASH OPERATING EXPENSES					<u>7.88</u>	_____
RETURNS OVER CASH OPERATING EXPENSES					(\$309.82)	_____
RETURNS OVER CASH OPERATING EXPENSES					( \$309.82)	_____

Notes: The above figures do not include ownership costs, see Table 4B on Next Page for detailed cost allocation.

\*\* A water assessment charge of \$31.50/Acre is included in the ownership costs of Table 4B.

Table 4B. Allocation of Ownership Costs; Alfalfa Stand Establish, 1996

COUNTY: La Paz	FARM: LaPaz County Farm	WATER SOURCE: BIA	TILLAGE: Conventional
CROP: Alfalfa Hay	ACRES: 1.0	IRRIGATION SYSTEM: Flood Basin	SOIL: Sandy-Loam
AREA: Parker CRIR	YIELD: 0.0 Tn/Acre	PREVIOUS CROP: Wheat, Winter	DATE: 09/26/96

Item	- CASH COST BASIS (\$/ACRE) -		- TOTAL COST BASIS (\$/ACRE) -	
	Income & Costs	Net Returns	Income & Costs	Net Returns
TOTAL INCOME at \$ 0.0000/Tn	\$0.00		\$0.00	
TOTAL OPERATING EXPENSES	309.81		309.81	
RETURN OVER CASH OPERATING EXPENSES		( \$309.81)		( \$309.81)
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	4.49		4.49	
Gen. & Off. Overhead ( 5% of Tot. Oper. Exp.)	15.49		15.49	
General Farm Maint. ( 3% of Tot. Oper. Exp.)	9.29		9.29	
Total Cash Overhead Expenses	<u>29.27</u>		<u>29.27</u>	
Total Cash Oper. & Over. Cost	339.08		339.08	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		( 339.08)		( 339.08)
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			23.57	
Interest on Equity, Machinery & Vehicles			8.52	
Total Capital Allocations			<u>32.09</u>	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK		→( 339.08)		→( 371.18)
RETURNS TO LAND, MANAGEMENT & RISK				→( 371.18)
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		→( 470.58)		→( 502.68)
RETURNS TO MANAGEMENT & RISK				→( 502.68)
Management Services ( 8% of Tot. Oper. Exp.)			24.78	
TOTAL OWNERSHIP COST	<u>160.77</u>		<u>217.64</u>	
TOTAL COST	=====		=====	
	\$470.58		\$527.46	
RETURN TO MANAGEMENT, CAPITAL & RISK		→( \$470.58)		→( \$527.46)
RETURN TO RISK (PROFITS)				→( \$527.46)

Table 4C. Variable Operating Costs; Alfalfa Stand Establish, 1996

COUNTY: La Paz                      FARM: LaPaz County Farm                      WATER SOURCE: BIA                      TILLAGE: Conventional  
 CROP: Alfalfa Hay                      ACRES: 1.0                      IRRIGATION SYSTEM: Flood Basin                      SOIL: Sandy-Loam  
 AREA: Parker CRIR                      YIELD: 0.0 Tn/Acre                      PREVIOUS CROP: Wheat, Winter                      DATE: 09/26/96

No.	First Month	Operation	— Hours * —		Operating Costs (\$/Acre*)					Tot. Cash Expense	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials	Total			Times
1	Aug	Disk	0.180	0.200	2.86	1.74			4.60	3.0	13.79	L
2	Aug	Rip	0.600	0.667	11.14	5.81			16.95	2.0	33.89	L
3	Aug	Laser Level					60.00		60.00	1.0	60.00	L
4	Aug	Make Borders	0.180	0.200	1.50	1.74			3.24	1.0	3.24	G
5	Aug	Preirrigate		0.500		3.63			3.63	1.0	3.63	G
6	Aug	Landplane	0.225	0.250	3.56	2.18			5.74	1.0	5.74	L
7	Aug	Soil Fertility					3.00		3.00	1.0	3.00	G
8	Aug	Apply Fert/Ground	0.180	0.200	1.52	1.74		49.61	52.87	1.0	52.87	G
9	Sep	Apply Herbicide/Ground	0.150	0.167	2.04	1.45		50.23	53.72	1.0	53.72	G
10	Sep	Irrigate		0.333		2.42			2.42	1.0	2.42	G
11	Sep	Rerun Borders	0.022	0.025	0.17	0.22			0.39	1.0	0.39	G
12	Oct	Mulch	0.225	0.250	2.25	2.18			4.43	1.0	4.43	L
13	Oct	Plant	0.180	0.200	2.15	1.74		55.13	59.02	1.0	59.02	L
14	Oct	Irrigate		0.267		1.94			1.94	3.0	5.82	G
		Pickup Use 30 Mi/Ac	1.000		7.87						7.87	O
TOTAL CASH OPERATING EXPENSES:					\$51.91	\$39.96	\$63.00	\$154.97			\$309.84	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 4B.

OPERATING COST SUMMARY BY CLASS	
Land Preparation (L)	\$176.86
Growing (G)	125.08
Harvest (H)	0.00
Post Harvest (P)	0.00
Marketing (M)	0.00
Operating Overhead (O)	7.87
Total (T)	\$309.83

Table 4D. Resource and Cash Flow Requirements; Alfalfa Stand Establish, 1996

COUNTY: La Paz FARM: LaPaz County Farm WATER SOURCE: BIA TILLAGE: Conventional  
 CROP: Alfalfa Hay ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam  
 AREA: Parker CRIR YIELD: 0.0 Tn/Acre PREVIOUS CROP: Wheat, Winter DATE: 09/26/96

Month *	Number Irrig.	Water Applied (Inches)	Total Labor (Hrs)	Operating Cost (\$/Acre)						Total
				Purchased Water	Fuel, Oil & Repairs	Labor	Chemicals	Other Purchases	Services	
AUG C	1.0	6.0	3.08		37.42	26.12	49.61		63.00	176.15
SEP C	1.0	4.0	0.97		6.61	8.01	50.23	55.13		119.97
OCT C	2.0	10.0	0.53			3.88				3.88
NOV C	1.0	5.0	0.26			1.94				1.94
Pickup Use 30 Mi/Ac					7.87					7.87
Operating Interest at 9.0%										
Water Assessment					**					
Total	5.0	25.0	4.86		51.91	39.94	99.84	55.13	63.00	309.81
%					16.75	12.89	32.23	17.79	20.33	100.00

## TOTAL RESOURCES REQUIREMENTS (/Acre)

Total N 33.0 lbs  
 Total P 156.0 lbs  
 Total K 0.0 lbs  
 Total Labor 4.8 Hrs  
 Total Water 25.0 AI

## TOTAL ENERGY REQUIREMENTS (/Acre)

Diesel Fuel 21.5 Gal  
 Regular Gas 0.0 Gal  
 NonLead Gas 3.0 Gal  
 All Direct Energy 3.3 M BTU

## EQUIPMENT REQUIREMENTS (/Acre)

Tractor, 150 PTO HP, MFWD	0.77 Hrs	Dbl. Offset Disk, 16'	0.54 Hrs	Tractor, 175 PTO HP	1.20 Hrs
Subsoiler, Heavy Duty, 7 Shnk	1.20 Hrs	Tractor, 100 PTO HP, MFWD	0.94 Hrs	Blade Scraper, 10'	0.18 Hrs
Landplane 14' X 60'	0.23 Hrs	Fertilizer Broadcaster, Towed	0.18 Hrs	Fertilizer Spreader, 28'	0.15 Hrs
Border Disk, 6' Disk	0.02 Hrs	Section Harrow, 3 Section	0.23 Hrs	Tandem Disk, 12'	0.23 Hrs
Grain Drill, 16'	0.18 Hrs	Pickup Truck, 1/2 Ton	1.00 Hrs		

## MATERIALS REQUIREMENTS (/Acre)

Water, District	25.00 AI	11-52-00, Dry	300.00 Lb	Benefin	3.20 Pt
Alfalfa Sd, Cert	25.00 Lb				

## LABOR REQUIREMENTS (/Acre)

Tractor	3.23 Hrs	Irrigators	1.63 Hrs
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\* NOTE: P = Previous Year C = Current Year N = Next Year

\*\* A water assessment charge of \$31.50/Acre included as ownership cost in Table 4B.

Table 4E Schedule of Operations; Alfalfa Stand Establish, 1996

COUNTY: La Paz                      FARM: LaPaz County Farm                      WATER SOURCE: BIA                      TILLAGE: Conventional  
 CROP: Alfalfa Hay                      ACRES: 1.0                      IRRIGATION SYSTEM: Flood Basin                      SOIL: Sandy-Loam  
 AREA: Parker CRIR                      YIELD: 0.0 Tn/Acre                      PREVIOUS CROP: Wheat, Winter                      DATE: 09/26/96

No.	First 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	\$/Unit		
1	Aug	3.0	Disk	150	Dbl. Offset Disk, 16'	5.00					Tractor
2	Aug	2.0	Rip	175	Subsoiler, Heavy Duty,	1.50					Tractor
3	Aug	1.0	Laser Level		CST Laser Level, Touchu				60.00	Ac	
4	Aug	1.0	Make Borders	100	Blade Scraper, 10'	5.00					Tractor
5	Aug	1.0	Preirrigate			2.00	Water, District	6.00 AI	0.00	AF	Irrigator
6	Aug	1.0	Landplane	150	Landplane 14'X 60'	4.00					Tractor
7	Aug	1.0	Soil Fertility		CST Soil Analysis (Surf					3.00	Ac
8	Aug	1.0	Apply Fert/Ground	100	Fertilizer Broadcaster,	5.00	11-52-00, Dry	300.00 Lb	315.00	Tn	Tractor
9	Sep	1.0	Apply Herbicide/Groun	100	Fertilizer Spreader, 28	6.00	Benefin	3.20 Pt	14.95	Ga	Tractor
10	Sep	1.0	Irrigate			3.00	Water, District	4.00 AI	0.00	AF	Irrigator
11	Sep	1.0	Rerun Borders	100	Border Disk, 6' Disk	40.00					Tractor
12	Oct	1.0	Mulch	100	Section Harrow, 3 Secti Tandem Disk, 12'	4.00					Tractor
13	Oct	1.0	Plant	100	Grain Drill, 16'	5.00	Alfalfa Sd, Cert	25.00 Lb	210.00	CW	Tractor
14	Oct	3.0	Irrigate			3.70	Water, District	5.00 AI	0.00	AF	Irrigator
			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 4B.