COUNTY: La Paz FARM: LaPaz County 98 WATER SOURCE: **CRIR** Irrigation Project TILLAGE: Conventional Sandy-Loam 7/19/99 CROP: Alfalfa Hay w/Graze ACRES: IRRIGATION SYSTEM: Flood Basin 1.0 SOIL: Parker CRIR YIELD: AREA: 7.9 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE:

	ltem	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME	Alfalfa Grazing	Ton Head Days	7.90 200.00	\$96.70 \$0.09	\$763.93 \$18.00	\$781.93	
Paid Labo	or (including benefits) or/Self Propelled) GROWING EXPENSES (incl	uding sales tax)		3.22 37.66	40.88	
Chemical Fertili Insec Herbi	ticide	tions			28.97 47.24 14.23	90.43	
Diese	chinery and Vehicles el Fuel irs and Maintenance				1.16 1.77	2.93	
	Water (excluding labo sessment (See Note E					24.54	
	rchased Inputs & /Transplants				39.75	39.75	
		TOTAL CASH LAND PREP	ARATION AND GROW	ING EXPENSES		198.54	
Paid Labo Tracto	/EST AND POST HAR or (including benefits) or/Self Propelled //Contract	RVEST EXPENSES			13.56 24.55	38.11	
Diese	chinery and Vehicles el Fuel irs and Maintenance terials				11.53 88.74	100.27 27.30	
		TOTAL HARVEST AND PO	ST HARVEST EXPEN	SE		165.68	
	OVERHEAD PICE INTEREST AT 10.0%	KUP USE %				10.25 34.97	
		TOTAL CASH OPERATING RETURNS OVER CASH		ES		\$409.45 \$372.48	

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

^{**} A water assessment charge of \$34.50 per Acre is included as an ownership cost in Table B.

COUNTY:La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Conventional RRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam PREVIOUS CROP: Wheat, Winter DATE: 7/19/99

ltem	CASH COST BASIS	S (\$/ACRE) Net Returns	TOTAL COST BAS	SIS (\$/ACRE) Net Returns
TOTAL INCOME at \$96.70 / Tn TOTAL OPERATING EXPENSES RETURN OVER CASH OPERATING EXPENSES	\$781.93 \$409.45	\$372.48	\$781.93 \$409.45	\$372.48
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.)	8.11 20.47 12.28	43.23	8.11 20.47 12.28	V-1-2-1-0
Total Cash Overhead Expenses	40.87		40.87	
Total Cash Operating and Overhead Cost RETURNS OVER CASH OPER. AND OVER. EXPENSES	450.31	\$331.62	450.31	\$331.62
CAPITAL ALLOCATIONS (100% Equity) Capital Replacement, Machinery and Vehicles Interest on Equity, Machinery and Vehicles Stand Establishment (3 year crop)	183.87		56.21 3.96 183.87	
Total Capital Allocations RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK - RETURNS TO LAND, MANAGEMENT AND RISK			244.04 >	\$87.58
Land Cost / Rent or Lease Water Assessment	150.00 34.50		150.00 34.50	
Total Land Costs RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO MANAGEMENT AND RISK	184.50		184.50 >	(\$96.92)
Management Services (8% of Total Operation Expenses)			32.76	
TOTAL OWNERSHIP COST	409.24		502.16	
TOTAL COST RETURNS TO CAPITAL, MANAGEMENT AND RISK	\$818.69	(\$36.76)	\$911.61	
RETURNS TO RISK (PROFITS)			>	(\$129.68)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb) BREAK-EVEN PRICE TO COVER OWNERSHIP COST BREAK-EVEN PRICE TO COVER TOTAL COST		\$49.55 \$51.80 \$101.35		\$49.55 \$63.56 \$113.12

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COUNTY:La Paz FARM: LaPaz County 98 WATER SOURCE: **CRIR** Irrigation Project TILLAGE: Conventional CROP: Alfalfa Hay w/Graze ACRES: IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam AREA: Parker CRIR YIELD: 7.9 Tn / Acre PREVIOUS CROP: 7/19/99 Wheat, Winter DATE:

First			Hours	s *	Operati	ng Costs	(\$/ACRE *)					
No.	Month	Operation	Machine	Labor	Fuel/Rps.	Labor C	ust/Serv. I	Materials	Total	Times	Expenses	Class
1	Jan	Irrigate		0.286		2.02		0.32	2.35	16.0	37.52	G
2	Mar	Swathing		0.200		1.41			1.41	8.0	11.31	Н
3	Mar	Raking	0.180	0.200	1.69	1.69			3.39	8.0	27.11	Н
4	Mar	Baling	0.129	0.143	3.64	1.01		3.41	8.06	8.0	64.51	Н
5	Mar	Roadsiding	0.082	0.091	7.20	0.64			7.84	8.0	62.75	Н
6	Mar	Irrigate/Run Fertilizer		0.250		1.77		16.12	17.88	3.0	53.65	G
7	Apr	Apply Herbicide/Air					4.58	9.65	14.23	1.0	14.23	G
8	Apr	Apply Insecticide/Air					4.23	10.06	14.29	1.0	14.29	G
9	May	Apply Insecticide/Air					4.23	6.75	10.98	3.0	32.94	G
10	Oct	Scratch	0.180	0.200	0.98	1.69			2.67	1.0	2.67	G
11	Oct	Plant	0.162	0.180	1.95	1.53		39.75	43.23	1.0	43.23	L
		Pickup Use40 Mi/Acre	1.333		l 10.25						10.25	
		Operating Interest at 10.0					34.97				34.97	
				ТОТ	AL CASH OPE	RATING E	XPENSES	(includes a	Il times ove	er):	409.45	Т

*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 \$34.50 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY E	BY CLASS	SENSITIVITY	OF THE N	NET REVEN	NUES OVE	R TOTAL CAS	SH EXPENS	SES (\$/ACRI	Ξ)
Land Preparation (L)	43.23	Prices		- 25%	- 10%	Budgeted	+ 10%	+ 25%	
Growing (G) Harvest (H)	155.31 165.68	Yields		\$72.52	\$87.03	\$96.70	\$106.37	\$120.88 E	Break-even Price
Post Harvest (P)	0.00	- 25%	5.9	76.68	162.62	219.92	277.21	363.15	59.58
Marketing (M)	0.00	- 10%	7.1	137.77	240.90	309.66	378.41	481.54	53.15
Operating Overhead (O)	45.22	Budgeted	7.9	178.50	293.09	369.48	445.87	560.46	49.93
		+ 10%	8.7	219.22	345.27	429.30	513.34	639.39	47.30
Total (T)	\$409.45	+ 25%	9.9	280.31	423.55	519.04	614.53	757.77	44.14
		Break-even Yi	ield	4.44	3.46	3.02	2.68	2.29	

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COUNTY:La Paz FARM: LaPaz County 98 WATER SOURCE: CRIR Irrigation Project TILLAGE: Conventional CROP: Alfalfa Hay w/Graze AREA: Parker CRIR YIELD: 7.9 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE: 7/19/99

		Water		Operating Costs (\$/ACRE *)									
	Number	Applied	Total	Purchased	Fuel, Oil	- •	5						
Month *	Irrigations	(inches)	Labor (Hrs)	Water	and Repairs	Labor	Chemicals	Purchases	Services	Total			
JAN C	1.0	4.0	0.29			2.02				2.02			
		4.0 9.0	0.29 1.17	6.46	10.50		0.66	2.44					
MAR C APR C	2.0 2.0	9.0 9.0	1.17 1.17	6.46 6.46	12.53 12.53	8.55 8.55	9.66	3.41	4.50	40.62 54.84			
			1.17				19.30	3.41	4.58				
MAY C	2.0	9.0		6.46	12.53	8.55	26.47	3.41	8.46	65.89			
JUN C JUL C	2.0	8.0	1.21		12.53	8.81	6.75	3.41	4.23	35.74			
	2.0	8.0	1.21		12.53	8.81	6.75	3.41	4.23	35.74			
AUG C SEP C	2.0	8.0	1.21		12.53 12.53	8.81		3.41 3.41		24.75 24.75			
	2.0	8.0	1.21			8.81							
OCT C	2.0	8.0	1.59		15.47	12.03		43.16		70.66			
NOV C	1.0	4.0	0.29	F 47		2.02				2.02			
DEC C	1.0	4.0	0.29	5.17	40.05	2.02				7.19			
Pickup Use					10.25				04.07	10.25			
	iterest at 10.0			**					34.97	34.97			
Water Asse	ssment			**									
Total	19.0	79.0	10.78	1 24.54	113.46	78.99	68.93	67.05	56.47	409.45			
%				5.99	27.71	19.29	16.84	16.38	13.79	100.00			
TOTAL RES Total N Total P Total K Total Labo Total Wat		20.5 69.8 0.0 10.8 79.0	S (per Acre)	TOTAL ENE Diesel Fi Unleade All Direc	d Gas	15.5 Ga 4.0 Ga	ĺ						
EQUIPMEN	T REQUIREM	MENTS (per	Acre)										
	on, SP PRC		66 Hr	Baler, 3 wire w/mo	tor 1.	.03 Hr	Grain Drill	, 14'	0.16 Hr				
	uck, 1/2 Ton	1.	33 Hr	Rake, 9.5' LH AND) RH 1.	44 Hr	Section Ha	arrow, 4 Section	0.18 Hr				
	70 PTO HP,	2.	65 Hr	Tractor, 100 PTO	HP, 0.	16 Hr	Windrowe	r, 14.0', HS, SC	0.00 Hr				
MATERIAL S	REQUIREM	FNT (ner Ac	re)										
10-34-00			00 Ga	Alfalfa Sd, Cert	15	.00 Lb	Carbofura	n	1.00 Pt				
Chlorpyri			00 Pt	Trifluralin		00 Lb		stic, 6500 '	3.92 TF				
Water, Di			00 AI										
LABOR REG	QUIREMENT	(per Acre)											
Harvest			47 Hr	Irrigators	5.	.33 Hr	Tractor		1.98 Hr				
*NOTE F													

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

^{**} A water assessment charge of \$34.50 per Acre is included as an ownership cost in Table B.

COUNTY:La Paz FARM: LaPaz County 98 WATER SOURCE: **CRIR** Irrigation Project TILLAGE: Conventional CROP: Alfalfa Hay w/Graze ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin Sandy-Loam SOIL: AREA: Parker CRIR 7.9 Tn / Acre PREVIOUS CROP: 7/19/99 YIELD: Wheat, Winter DATE:

No	First o.Month	Times	Operation	Equipment/ Custom Oper HP Self-Prop./ Implement	Job Rate Acres/Hr				 \$ / Un		Service Cost \$ / Unit	Labor Type
			-									
1	Jan	16.0	Irrigate		3.50	Water, District	4.00	Αl	0.97	ΑF		Irrigators
2	Mar	8.0	Swathing	Windrower, 14.0', HS, SC	5.00							Harvest
3	Mar	8.0	Raking	70 Rake, 9.5' LH AND RH	5.00							Tractor
4	Mar	8.0	Baling	70 Baler, 3 wire w/motor	7.00	Twine, Plastic, 6500 '	0.49	TF	6.57	TF		Harvest
5	Mar	8.0	Roadsiding	Bale Wagon, SP PRC	11.00							Harvest
6	Mar	3.0	Irrigate/Run Fertilizer	3 ·	4.00	Water, District	5.00	ΑI	15.50	ΑF		Irrigators
			· ·			10-34-00, Lgd	6.00 (Ga 2	266.40	Tn		· ·
7	Apr	1.0	Apply Herbicide/Air	CST Air Apply Granules 50lbs		Trifluralin	10.00	Lb	0.91	Lb	4.58 Ac	
8	Apr	1.0	Apply Insecticide/Air	CST Air Spray, 3 Gal Mix		Carbofuran	1.00	Pt	75.95	Ga	4.23 Ac	
9	May		Apply Insecticide/Air	CST Air Spray, 3 Gal Mix		Chlorpyrifos	1.00	Pt	50.95	Ga	4.23 Ac	
10	Oct		Scratch	70 Section Harrow, 4 Section	5.00							Tractor
11	Oct	1.0	Plant	100 Grain Drill. 14'	5.56	Alfalfa Sd, Cert	15.00	Lb 2	250.00 (CW		Tractor
			Pickup use 40 Mi/Ac	Pickup Truck, 1/2 Ton	0.75	,						

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

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