

Table 9A. Income and Cash Operating Cost Summary, Durum Wheat (Double Crop), 1996

COUNTY: La Paz	FARM: LaPaz County Farm	WATER SOURCE: BIA	TILLAGE: Double Cropped
CROP: Wheat, Durum	ACRES: 1.0	IRRIGATION SYSTEM: Flood Furrow	SOIL: Sandy-Loam
AREA: Parker CRIR	YIELD: 5,400.0 Lb/Acre	PREVIOUS CROP: Alfalfa Hay	DATE: 10/02/96

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Grain	Pound	5,400.00	\$0.0682	\$368.28	\$368.28	
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					47.40	
Tractor/Self Propelled				11.10		
Irrigation				36.30		
Chemicals & Custom Applications					104.74	
Fertilizers				75.48		
Insecticides				8.78		
Herbicides				20.48		
Farm Machinery and Vehicles					12.77	
Diesel Fuel				6.27		
Repairs & Maint.				6.50		
Irrigation Water (excluding labor)					0.00	
Water Assessment (See Note Below) **					**	
Other Purchased Inputs & Services					28.67	
Seed/Transplants				28.67		
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					193.58	
CASH HARVEST AND POST HARVEST EXPENSES						
Paid Labor (including benefits)					1.93	
Tractor/Self Propelled				1.93		
Farm Machinery and Vehicles					2.34	
Diesel Fuel				0.95		
Repairs & Maint.				1.38		
Custom Harvest/Post Harvest					50.40	
TOTAL HARVEST AND POST HARVEST EXPENSE					54.67	
OPERATING OVERHEAD->PICKUP USE					7.88	
OPERATING INTEREST AT 9.0%					5.88	
TOTAL CASH OPERATING EXPENSES					\$262.00	
RETURNS OVER CASH OPERATING EXPENSES					\$106.28	

Notes: The above figures do not include ownership costs, see Table 9B on Next Page for detailed cost allocation.

** A water assessment charge of \$15.75/Acre is included in the ownership costs of Table 9B.

Table 9B. Allocation of Ownership Costs; Durum Wheat (Double Crop), 1996

COUNTY: La Paz	FARM: LaPaz County Farm	WATER SOURCE: BIA	TILLAGE: Double Cropped
CROP: Wheat, Durum	ACRES: 1.0	IRRIGATION SYSTEM: Flood Furrow	SOIL: Sandy-Loam
AREA: Parker CRIR	YIELD: 5,400.0 Lb/Acre	PREVIOUS CROP: Alfalfa Hay	DATE: 10/02/96

Item	- CASH COST BASIS (\$/ACRE) -		- TOTAL COST BASIS (\$/ACRE) -	
	Income & Costs	Net Returns	Income & Costs	Net Returns
TOTAL INCOME at \$ 0.0682/Lb	\$368.28		\$368.28	
TOTAL OPERATING EXPENSES	262.00		262.00	
RETURN OVER CASH OPERATING EXPENSES		\$106.27		\$106.27
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	1.70		1.70	
Gen. & Off. Overhead (5% of Tot. Oper. Exp.)	13.10		13.10	
General Farm Maint. (3% of Tot. Oper. Exp.)	7.86		7.86	
Total Cash Overhead Expenses	<u>22.66</u>		<u>22.66</u>	
Total Cash Oper. & Over. Cost	284.66		284.66	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		83.61		83.61
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			9.31	
Interest on Equity, Machinery & Vehicles			5.15	
Total Capital Allocations			<u>14.46</u>	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK		83.61		
RETURNS TO LAND, MANAGEMENT & RISK				69.15
Land Cost / Rent or Lease	100.00		100.00	
Water Assessment **	15.75		15.75	
Total Land Costs	<u>115.75</u>		<u>115.75</u>	
RETURNS TO MANAGEMENT, CAPITAL & RISK		(32.13)		
RETURNS TO MANAGEMENT & RISK				(46.59)
Management Services (8% of Tot. Oper. Exp.)			20.96	
TOTAL OWNERSHIP COST	<u>138.41</u>		<u>173.83</u>	
TOTAL COST	<u>=====</u> \$400.41		<u>=====</u> \$435.83	
RETURN TO MANAGEMENT, CAPITAL & RISK		(\$32.13)		
RETURN TO RISK (PROFITS)				(\$67.55)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)		\$0.0485		\$0.0485
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.0256		\$0.0321
BREAK-EVEN PRICE TO COVER TOTAL COST		\$0.0741		\$0.0807

Table 9C. Variable Operating Costs; Durum Wheat (Double Crop), 1996

COUNTY: La Paz FARM: LaPaz County Farm WATER SOURCE: BIA TILLAGE: Double Cropped
 CROP: Wheat, Durum ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Parker CRIR YIELD: 5,400.0 Lb/Acre PREVIOUS CROP: Alfalfa Hay DATE: 10/02/96

No.	First Month	Operation	— Hours * —		Operating Costs (\$/Acre*)					Tot. Cash Expense	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials	Total			Times
1	Oct	Disk	0.225	0.250	3.60	2.18			5.78	1.0	5.78	L
2	Oct	Apply Fert/Ground	0.090	0.100	0.76	0.87		60.57	62.20	1.0	62.20	G
3	Oct	Landplane	0.257	0.286	3.38	2.49			5.87	1.0	5.87	L
4	Nov	Plant	0.200	0.222	2.38	1.93		28.66	32.97	1.0	32.97	L
5	Dec	Make Borders	0.113	0.125	0.76	1.09			1.85	1.0	1.85	G
6	Dec	Irrigate		0.667		4.84			4.84	1.0	4.84	G
7	Jan	Irrigate		0.333		2.42			2.42	4.0	9.68	G
8	Mar	Apply Herbicide/Ground	0.150	0.167	1.18	1.45		20.48	23.11	1.0	23.11	G
9	Mar	Irrigate/Run Fertilizer		3.000		21.79		14.91	36.70	1.0	36.70	G
10	Mar	Apply Insecticide/Air					6.00	2.78	8.78	1.0	8.78	G
11	May	Knock Borders	0.113	0.125	0.71	1.09			1.80	1.0	1.80	G
12	May	Combine Harvest					36.40		36.40	1.0	36.40	H
13	May	Haul, Custom 56.0 CW					14.00		14.00	1.0	14.00	H
14	Jun	Cut Stalks	0.200	0.222	2.34	1.93			4.27	1.0	4.27	P
		Pickup Use 30 Mi/Ac	1.000		7.87						7.87	O
		Operating Interest at 9.00%					5.88				5.88	O
TOTAL CASH OPERATING EXPENSES:					\$22.99	\$49.34	\$62.28	\$127.40			\$262.01	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 \$15.75/Acre included as ownership cost in Table 9B.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF NET REVENUES OVER TOTAL CASH EXPENSES (\$/Acre)							
		Prices ->		-25%	-10%	Budgeted	+10%	+25%	
Land Preparation (L)	\$44.61								
Growing (G)	148.96								
Harvest (H)	50.40	Yields		\$0.05	\$0.06	\$0.06	\$0.07	\$0.08	Break-even
Post Harvest (P)	4.26								
Marketing (M)	0.00	-25%	4,050.0	-41.18	0.25	27.87	55.49	96.92	0.06
Operating Overhead (O)	13.75	-10%	4,860.0	-7.94	41.76	74.91	108.05	157.77	0.05
		Budgeted	5,400.0	14.20	69.44	106.27	143.10	198.34	0.04
		+10%	5,940.0	36.35	97.12	137.63	178.14	238.91	0.04
		+25%	6,750.0	69.58	138.64	184.67	230.71	299.76	0.04
Total (T)	\$262.00	Break-even Yield		5,053.77	4,045.11	3,570.09	3,194.91	2,759.85	

Table 9D. Resource and Cash Flow Requirements; Durum Wheat (Double Crop), 1996

COUNTY: La Paz FARM: LaPaz County Farm WATER SOURCE: BIA TILLAGE: Double Cropped
 CROP: Wheat, Durum ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Parker CRIR YIELD: 5,400.0 Lb/Acre PREVIOUS CROP: Alfalfa Hay DATE: 10/02/96

Month *	Number Irrig.	Water Applied (Inches)	Total Labor (Hrs)	Operating Cost (\$/Acre)						
				Purchased Water	Fuel, Oil & Repairs	Labor	Chemicals	Other Purchases	Services	Total
OCT P			0.06		0.77	0.55	6.06			7.39
NOV P			0.38		4.58	3.35	30.29	8.60		46.82
DEC P	1.0	10.0	1.20		5.53	9.50	24.23	20.07		59.32
JAN C	0.3	1.5	0.09			0.73				0.73
FEB C	0.7	3.5	0.23			1.69				1.69
MAR C	2.0	10.0	3.50		1.18	25.66	38.17		6.00	71.01
APR C	2.0	10.0	0.66			4.84				4.84
MAY C			0.12		0.71	1.09			9.25	11.05
JUN C			0.22		2.34	1.93			22.25	26.52
Pickup Use 30 Mi/Ac					7.87					7.87
Operating Interest at 9.0%									5.88	5.88
Water Assessment				**						
Total	6.0	35.0	6.49		22.99	49.33	98.75	28.66	43.38	243.11
%					9.45	20.29	40.62	11.79	17.84	100.00
TOTAL RESOURCES REQUIREMENTS (/Acre)			TOTAL ENERGY REQUIREMENTS (/Acre)							
Total N	186.4 lbs		Diesel Fuel			7.4	Gal			
Total P	0.0 lbs		Regular Gas			0.0	Gal			
Total K	0.0 lbs		NonLead Gas			3.0	Gal			
Total Labor	6.4 Hrs		All Direct Energy			1.4	M BTU			
Total Water	35.0 AI									
EQUIPMENT REQUIREMENTS (/Acre)										
Tractor, 150 PTO HP, MFWD	0.48 Hrs		Offset Disk, 16.5'			0.23 Hrs	Tractor, 100 PTO HP, MFWD		0.49 Hrs	
Fertilizer Broadcaster, Towed	0.09 Hrs		Landplane 12'X 45'			0.26 Hrs	Grain Drill, 16'		0.20 Hrs	
Tractor, 80 PTO HP, MFWD	0.38 Hrs		Blade Scraper, 10'			0.11 Hrs	Saddle Tk Sprayer, 2 Tk 8 Row		0.15 Hrs	
Border Disk, 6' Disk	0.11 Hrs		Dbl. Offset Disk, 13'			0.20 Hrs	Pickup Truck, 1/2 Ton		1.00 Hrs	
MATERIALS REQUIREMENTS (/Acre)										
46-00-00, Urea 46	405.00 Lb		Durum Wheat Sd, Cert			130.00 Lb	Water, District		35.00 AI	
Bromoxynil	1.50 Pt		MCPA			1.00 Pt	Malathion		1.00 Pt	
LABOR REQUIREMENTS (/Acre)										
Tractor	1.50 Hrs		Irrigators			5.00 Hrs				

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

** A water assessment charge of \$15.75/Acre included as ownership cost in Table 9B.

Table 9E Schedule of Operations; Durum Wheat (Double Crop), 1996

COUNTY: La Paz FARM: LaPaz County Farm WATER SOURCE: BIA TILLAGE: Double Cropped
 CROP: Wheat, Durum ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Parker CRIR YIELD: 5,400.0 Lb/Acre PREVIOUS CROP: Alfalfa Hay DATE: 10/02/96

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	Oct	1.0	Disk	150	Offset Disk, 16.5'	4.00					Tractor
2	Oct	1.0	Apply Fert/Ground	100	Fertilizer Broadcaster,	10.00	46-00-00, Urea 46	325.00 Lb	355.00 Tn		Tractor
3	Oct	1.0	Landplane	150	Landplane 12'X 45'	3.50					Tractor
4	Nov	1.0	Plant	100	Grain Drill, 16'	4.50	Durum Wheat Sd, Ce	130.00 Lb	21.00 CW		Tractor
5	Dec	1.0	Make Borders	80	Blade Scraper, 10'	8.00					Tractor
6	Dec	1.0	Irrigate			1.50	Water, District	10.00 AI	0.00 AF		Irrigator
7	Jan	4.0	Irrigate			3.00	Water, District	5.00 AI	0.00 AF		Irrigator
8	Mar	1.0	Apply Herbicide/Groun	80	Saddle Tk Sprayer, 2 Tk	6.00	Bromoxynil	1.50 Pt	52.93 Ga		Tractor
							MCPA	1.00 Pt	76.68 Ga		
9	Mar	1.0	Irrigate/Run Fertiliz			0.33	Water, District	5.00 AI	0.00 AF		Irrigator
							46-00-00, Urea 46	80.00 Lb	355.00 Tn		
10	Mar	1.0	Apply Insecticide/Air		CST Air Spray, 3 Gal Mi		Malathion	1.00 Pt	21.15 Ga	6.00 Ac	
11	May	1.0	Knock Borders	80	Border Disk, 6' Disk	8.00					Tractor
12	May	1.0	Combine Harvest		CST Combine Wheat					17.50 Ac	
13	May	1.0	Haul, Custom		CST Haul Grain					0.25 CW	
14	Jun	1.0	Cut Stalks	100	Dbl. Offset Disk, 13'	4.50					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 \$15.75/Acre included as ownership cost in Table 9B.

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