COUNTY: Cochise FARM: Cochise County 98 WATER SOURCE: CROP: Beans, Pinto ACRES: 1.0 IRRIGATION SYST AREA: Stewart YIELD: 18.8 CW / Acre PREVIOUS CROP:

WATER SOURCE: Stewart, Elect IRRIGATION SYSTEM: Flood Furrow PREVIOUS CROP: Wheat, Durum

TILLAGE: Double Crop SOIL: Sandy-Loam DATE: 3/8/99

Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME Beans	Hundred Lbs	18.80	\$21.08	\$396.30	\$396.30	
CASH LAND PREPARATION AND Paid Labor (including benefits) Tractor/Self Propelled Irrigation	O GROWING EXPENSES (incl	uding sales tax)		21.15 23.88	45.04	
Chemicals and Custom Applica Fertilizer Herbicide Other Chemicals	ations			44.12 13.52 32.90	90.54	
Farm Machinery and Vehicles Diesel Fuel Repairs and Maintenance				14.33 21.03	35.36	
Irrigation Water (excluding labo Pump Energy - Electric Repairs and Maintenance	or)			169.24 14.29	183.54	
Other Purchased Inputs & Seed/Transplants				42.09	42.09	
	TOTAL CASH LAND PREP	ARATION AND GROW	ING EXPENSES		396.57	
CASH HARVEST AND POST HAI	RVEST EXPENSES					
Paid Labor (including benefits) Tractor/Self Propelled Other/Contract				4.09 9.65	13.75	
Farm Machinery and Vehicles Diesel Fuel Gasoline Repairs and Maintenance				4.98 4.20 21.59	30.77	
Custom Harvest/Post Harvest					80.00	
	TOTAL HARVEST AND PC	ST HARVEST EXPEN	SE		124.52	
OPERATING OVERHEAD PIC OPERATING INTEREST AT 10.09	KUP USE %				2.58 6.21	
	TOTAL CASH OPERATING RETURNS OVER CASH		ES		\$529.87 (\$133.57)	

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

COUNTY:Cochise FARM: Cochise County 98 WATER SOURCE: Stewart, Elect TILLAGE: Double Crop ACRES: CROP: Beans, Pinto IRRIGATION SYSTEM: Flood Furrow Sandy-Loam 1.0 SOIL: YIELD: 3/8/99 AREA: Stewart 18.8 CW / Acre PREVIOUS CROP: Wheat, Durum DATE:

	CASH COST BASI	S (\$/ACRE)	TOTAL COST BAS	SIS (\$/ACRE)
ltem	Income and Costs	Net Returns	Income and Costs	Net Returns
TOTAL INCOME at \$21.08 / CW	\$396.30		\$396.30	
TOTAL OPERATING EXPENSES	\$529.87		\$529.87	
RETURN OVER CASH OPERATING EXPENSES		(\$133.57)		(\$133.57)
CASH OVERHEAD EXPENSES				
Taxes, Housing and Insurance, Farm Machinery Wells and Irrigation System	8.58 9.80		8.58 9.80	
General and Office Overhead (5.0% of Total Operating Exp.)	9.80 26.49		26.49	
General Farm Maintenance (3.0% of Total Operating Exp.)	15.90		15.90	
Total Cash Overhead Expenses	60.77		60.77	
Total Cash Operating and Overhead Cost	590.64		590.64	
RETURNS OVER CASH OPER. AND OVER. EXPENSES		(\$194.34)		(\$194.34)
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery and Vehicles			53.13	
Wells and Irrigation System Interest on Equity, Machinery and Vehicles			32.88 21.87	
Wells and Irrigation System			18.60	
Total Capital Allocations			126.49	
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK -	>	(\$194.34)	120.49	
RETURNS TO LAND, MANAGEMENT AND RISK			>	(\$320.83)
Land Cost / Ownership (100% Equity)				
Property Taxes (\$368.00 X 16.0% X 0.144)	4.27		4.27	
Opportunity Interest on Land (100% X 6.0 X \$368.00)			11.04	
Total Land Costs	4.27		15.31	
RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO MANAGEMENT AND RISK	>	(\$198.61)		(\$336.14)
				(\$330.14)
Management Services (8% of Total Operation Expenses)			42.39	
TOTAL OWNERSHIP COST	65.04		244.96	
TOTAL COST	\$594.91		\$774.83	
RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO RISK (PROFITS)	>	(\$198.61)		(\$378.53)
RETORNO TO MOR (FROI 113)				(ψοτο.οο)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)		\$28.18		\$28.18
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$3.46		\$13.03
BREAK-EVEN PRICE TO COVER TOTAL COST		\$31.64		\$41.21

COUNTY:Cochise FARM: Cochise County 98 WATER SOURCE: Stewart, Elect TILLAGE: Double Crop ACRES: IRRIGATION SYSTEM: Flood Furrow CROP: Beans, Pinto 1.0 SOIL: Sandy-Loam AREA: Stewart YIELD: 18.8 CW / Acre PREVIOUS CROP: Wheat, Durum DATE: 3/8/99

	First Hours *					Operating Costs (\$/ACRE *) Per Operation					Tot. Cash	
No.	Month	Operation	Machine	Labor	Fuel/Rps.	Labor Ci	ust/Serv.	Materials	Total	Times	Expenses	Class
1	Jul	Disk	0.300	0.333	6.66	2.73			9.38	2.0	18.77	L
2	Jul	List	0.450	0.500	5.01	4.09			9.10	1.0	9.10	L
3	Jul	Mulch	0.450	0.500	6.49	4.09			10.59	1.0	10.59	L
4	Jul	Apply Herbicide/Ground	0.150	0.167	1.26	1.37		13.52	16.15	1.0	16.15	G
5	Jul	Plant	0.225	0.250	3.65	2.05		66.03	71.73	1.0	71.73	L
6	Jul	Irrigate		0.500	26.22	3.41			29.63	5.0	148.16	G
7	Aug	Cultivate	0.225	0.250	2.51	2.05			4.55	1.0	4.55	G
8	Aug	Irrigate/Run Fertilizer		0.500	26.22	3.41		10.09	39.72	2.0	79.45	G
9	Aug	Apply Fungicide/Air					5.54	10.91	16.45	2.0	32.90	G
10	Oct	Dig	0.225	0.250	2.81	2.05			4.85	1.0	4.85	Н
11	Oct	Windrow	0.225	0.250	2.38	2.05			4.43	1.0	4.43	Н
12	Oct	Combine Harvest	0.720	0.800	16.89	6.24			23.13	1.0	23.13	Н
13	Oct	Haul 40	0.450	0.500	8.70	3.41			12.11	1.0	12.11	Н
14	Oct	Cleaning 20 Tn					80.00		80.00	1.0	80.00	Р
15	Nov	Disk Residue 20 Tn	0.225	0.250	3.12	2.05			5.17	1.0	5.17	L
		Pickup Use10 Mi/Acre	0.333		2.58						2.58	
		Operating Interest at 10.0					6.21				6.21	
	TOTAL CASH OPERATING EXPENSES (includes all times over):											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.

OPERATING COST SUMMARY I	BY CLASS	SENSITIVITY	OF THE 1	NET REVEN	NUES OVE	R TOTAL CAS	SH EXPENS	ES (\$/ACRE)	
Land Preparation (L)	115.36	Prices		- 25%	- 10%	Budgeted	+ 10%	+ 25%	
Growing (G) Harvest (H)	281.21 44.52	Yields		\$15.81	\$18.97	\$21.08	\$23.19	\$26.35 Br	eak-even Price
Post Harvest (P)	80.00	- 25%	14.1	-275.40	-230.82	-201.10	-171.37	-126.79	35.34
Marketing (M)	0.00	- 10%	16.9	-249.50	-196.00	-160.33	-124.66	-71.16	30.56
Operating Overhead (O)	8.79	Budgeted	18.8	-232.23	-172.78	-133.15	-93.52	-34.07	28.16
	==========	+ 10%	20.7	-214.96	-149.57	-105.97	-62.38	3.01	26.20
Total (T)	\$529.87	+ 25%	23.5	-189.05	-114.74	-65.20	-15.67	58.64	23.85
		Break-even Y	ield	44.08	32.79	28.01	24.45	20.53	

COUNTY:Cochise FARM: Cochise County 98 WATER SOURCE: Stewart, Elect TILLAGE: Double Crop IRRIGATION SYSTEM: Flood Furrow CROP: Beans, Pinto ACRES: 1.0 SOIL: Sandy-Loam AREA: Stewart YIELD: 18.8 CW / Acre PREVIOUS CROP: Wheat, Durum DATE: 3/8/99

Month * Irrigations (Inches) Labor (Hrs) Water and Repairs Labor Chemicals Purchases Services Total			Water		Operating Costs (\$/ACRE *)								
JUL C	Month *	Number Irrigations	Applied (inches)	Total Labor (Hrs)	Purchased Water	Fuel, Oil and Repairs	La	bor	Chemicals	Other Purchases	Services	Total	
AUG C 4.0 24.0 2.25 SEP C 2.0 12.0 1.00 52.44 6.82 10.91 5.54 159.72 SEP C 2.0 12.0 1.00 52.44 6.82 10.91 5.54 75.71 OCT C 1.80 30.77 13.75 80.00 124.52 NOV C 0.25 3.12 2.05 80.00 124.52 SEP C 2.0 1.80 30.77 13.75 80.00 124.52 SEP C 2.58 2.58 2.58 2.58 6.21 6.21 SEP C 2.58 C		<u> </u>	(/										
SEP C 2.0 12.0 1.00 12.0 1.00 30.77 13.75 80.00 124.52 12.00 1.80 30.77 13.75 80.00 124.52 12.58 1		-								42.09			
OCT C													
NOV C 0.25 3.12 2.05 5.17 2.58 C.258 C		2.0	12.0						10.91				
Pickup Use10 Mi/Acre 2.58 2.58 6.21											80.00		
Combine Pickup Regular Combine Pickup Regu				0.25				2.05					
Total 7.0 42.0 7.88 252.24 58.78 79.46 42.09 97.29 529.87						2.58							
Materials Requirement (per Acre) Sean Rod/Windrower 10 Sean Rod Sean	Operating In	iterest at 10.0	1								6.21	6.21	
TOTAL RESOURCE REQUIREMENTS (per Acre) Total N 100.5 Total P 75.9 Unleaded Gas 4.2 Gal Total Labor 7.9 Total Water 42.0 EQUIPMENT REQUIREMENTS (per Acre) Bean Knife Rig - 3 Pt/8 0.22 Hr Combine, Sm. Gr., PL20, 0.72 Hr Combine, Sm. Gr., PL20, 0.45 Hr Power Mulcher, 6 Rw 0.45 Hr Power Mulcher, 6 Rw 0.45 Hr Tractor, 125 PTO HP, 2.03 Hr Tractor, 125 PTO HP, 2.03 Hr MATERIALS REQUIREMENT (per Acre) 18-46-00, Dry 165.00 Lb EPTC 1.50 Pt Water, Pump 42.00 Al TOTAL ENERGY REQUIREMENTS (per Acre) 24.7 Gal 24.7 Gal 24.7 Gal 24.7 Gal 24.7 Gal 24.8 Gal 256.6 KWH 31.7 M BTU DID Combine Pickup Regular 3.72 Hr Combine, Sm. Gr., PL20, 0.72 Hr Cultivator, Sweep, 6 Rw 0.22 Hr Dbl. Offset Disk, 16' 0.83 Hr Devent Mulcher, 6 Rw 0.45 Hr Devent Mulcher, 6 Rw 0.45 Hr Saddle Tk Sprayer, 2 Tk 8 0.15 Hr Tractor, 102 DTO HP, 0.15 Hr Tractor, 102 FTO HP, 0.45 Hr LABOR REQUIREMENT (per Acre) Harvest 0.80 Hr Irrigators 3.50 Hr Other 0.50 Hr		7.0	42.0	7.88									
Total N	%					47.61	1	1.09	15.00	7.94	18.36	100.00	
Total N	TOTAL RES	SOURCE REC	QUIREMENT	S (per Acre)	TOTAL ENE	RGY REQUIRE	EMENTS (per A	cre)				
Total P 75.9				,				•	,				
Total K	Total P				Unleade	d Gas							
Total Labor Total Water									1				
EQUIPMENT REQUIREMENTS (per Acre)	Total Labo	or	7.9			, ,	11.7	M B	TU				
Bean Knife Rig - 3 Pt/8 0.22 Hr Bean Rod/Windrower 10 0.22 Hr Combine Pickup Regular 0.72 Hr Combine, Sm. Gr., PL20, 0.72 Hr 0.72 Hr Cultivator, Sweep, 6 Rw 0.22 Hr Dbl. Offset Disk, 16' 0.83 Hr Lister, 7 Bottom 0.45 Hr 0.45 Hr Pickup Truck, 1/2 Ton 0.33 Hr Planter, Drill Type, 6 Row 0.22 Hr 0.22 Hr Power Mulcher, 6 Rw 0.45 Hr 0.45 Hr Saddle Tk Sprayer, 2 Tk 8 0.15 Hr Tractor, 100 PTO HP, 0.15 Hr 0.15 Hr Tractor, 125 PTO HP, 2.03 Hr Tractor, 335 Eng HP, Art. 0.60 Hr Truck, 5 Ton, Grain 0.45 Hr 0.45 Hr MATERIALS REQUIREMENT (per Acre) 18-46-00, Dry 165.00 Lb 29-150 Pt Pinto Bean Sd 70.00 Lb 20-00 Pt Pinto Bean Sd 70.00 Lb 20-00 Pt Chlorothalonil 20-00 Pt 4.00 Pt LABOR REQUIREMENT (per Acre) Harvest 0.80 Hr Irrigators 3.50 Hr Other 0.50 Hr 0.50 Hr	Total Water	er				3,							
Bean Knife Rig - 3 Pt/8 0.22 Hr Bean Rod/Windrower 10 0.22 Hr Combine Pickup Regular 0.72 Hr Combine, Sm. Gr., PL20, 0.72 Hr 0.72 Hr Cultivator, Sweep, 6 Rw 0.22 Hr Dbl. Offset Disk, 16' 0.83 Hr Lister, 7 Bottom 0.45 Hr 0.45 Hr Pickup Truck, 1/2 Ton 0.33 Hr Planter, Drill Type, 6 Row 0.22 Hr 0.22 Hr Power Mulcher, 6 Rw 0.45 Hr 0.45 Hr Saddle Tk Sprayer, 2 Tk 8 0.15 Hr Tractor, 100 PTO HP, 0.15 Hr 0.15 Hr Tractor, 125 PTO HP, 2.03 Hr Tractor, 335 Eng HP, Art. 0.60 Hr Truck, 5 Ton, Grain 0.45 Hr 0.45 Hr MATERIALS REQUIREMENT (per Acre) 18-46-00, Dry 165.00 Lb 29-150 Pt Pinto Bean Sd 70.00 Lb 20-00 Pt Pinto Bean Sd 70.00 Lb 20-00 Pt Chlorothalonil 20-00 Pt 4.00 Pt LABOR REQUIREMENT (per Acre) Harvest 0.80 Hr Irrigators 3.50 Hr Other 0.50 Hr 0.50 Hr	FOLUDIATION	T DECLUDE.	AENITO (A = = = \									
Combine, Sm. Gr., PL20, 0.72 Hr Cultivator, Sweep, 6 Rw 0.22 Hr Dbl. Offset Disk, 16' 0.83 Hr Lister, 7 Bottom 0.45 Hr Pickup Truck, 1/2 Ton 0.33 Hr Planter, Drill Type, 6 Row 0.22 Hr Power Mulcher, 6 Rw 0.45 Hr Saddle Tk Sprayer, 2 Tk 8 0.15 Hr Tractor, 100 PTO HP, 0.15 Hr Tractor, 125 PTO HP, 2.03 Hr Tractor, 335 Eng HP, Art. 0.60 Hr Truck, 5 Ton, Grain 0.45 Hr MATERIALS REQUIREMENT (per Acre) 18-46-00, Dry 165.00 Lb 32-00-00, URAN 32, Lqd 20.00 Ga Chlorothalonil 4.00 Pt EPTC 1.50 Pt Pinto Bean Sd 70.00 Lb Trifluralin 2.00 Pt Water, Pump 42.00 Al LABOR REQUIREMENT (per Acre) Harvest 0.80 Hr Irrigators 3.50 Hr Other 0.50 Hr					Dana DadAA/:ndaa		0.00 11		O b : 1	Dialous Danulas	0.70 11		
Lister, 7 Bottom 0.45 Hr Pickup Truck, 1/2 Ton 0.33 Hr Planter, Drill Type, 6 Row 0.22 Hr Power Mulcher, 6 Rw 0.45 Hr Saddle Tk Sprayer, 2 Tk 8 0.15 Hr Tractor, 100 PTO HP, 0.15 Hr Tractor, 125 PTO HP, 2.03 Hr Tractor, 335 Eng HP, Art. 0.60 Hr Truck, 5 Ton, Grain 0.45 Hr MATERIALS REQUIREMENT (per Acre) 18-46-00, Dry 165.00 Lb 32-00-00, URAN 32, Lqd 20.00 Ga Chlorothalonil 4.00 Pt EPTC 1.50 Pt Pinto Bean Sd 70.00 Lb Trifluralin 2.00 Pt Water, Pump 42.00 Al LABOR REQUIREMENT (per Acre) Harvest 0.80 Hr Irrigators 3.50 Hr Other 0.50 Hr							-				-		
Power Mulcher, 6 Rw 0.45 Hr Saddle Tk Sprayer, 2 Tk 8 0.15 Hr Tractor, 100 PTO HP, 0.15 Hr Tractor, 125 PTO HP, 2.03 Hr Tractor, 335 Eng HP, Art. 0.60 Hr Truck, 5 Ton, Grain 0.45 Hr MATERIALS REQUIREMENT (per Acre) 18-46-00, Dry 165.00 Lb 32-00-00, URAN 32, Lqd 20.00 Ga Chlorothalonil 4.00 Pt EPTC 1.50 Pt Pinto Bean Sd 70.00 Lb Trifluralin 2.00 Pt Water, Pump 42.00 Al Irrigators 3.50 Hr Other 0.50 Hr							-						
Tractor, 125 PTO HP, 2.03 Hr Tractor, 335 Eng HP, Art. 0.60 Hr Truck, 5 Ton, Grain 0.45 Hr MATERIALS REQUIREMENT (per Acre) 18-46-00, Dry EPTC Water, Pump 165.00 Lb 1.50 Pt 42.00 Al 32-00-00, URAN 32, Lqd Pinto Bean Sd 20.00 Ga 70.00 Lb Chlorothalonil Trifluralin 4.00 Pt LABOR REQUIREMENT (per Acre) Harvest 0.80 Hr Irrigators 3.50 Hr Other 0.50 Hr													
MATERIALS REQUIREMENT (per Acre) 18-46-00, Dry 165.00 Lb 32-00-00, URAN 32, Lqd 20.00 Ga Chlorothalonil 4.00 Pt EPTC 1.50 Pt Pinto Bean Sd 70.00 Lb Trifluralin 2.00 Pt Water, Pump 42.00 Al LABOR REQUIREMENT (per Acre) Harvest 0.80 Hr Irrigators 3.50 Hr Other 0.50 Hr													
18-46-00, Dry 165.00 Lb 32-00-00, URAN 32, Lqd 20.00 Ga Chlorothalonil 4.00 Pt EPTC 1.50 Pt Pinto Bean Sd 70.00 Lb Trifluralin 2.00 Pt Water, Pump 42.00 Al Irrigators 3.50 Hr Other 0.50 Hr	Tractor, i	25 PTO HP,	۷.	.03 П	Tractor, 335 Eng F	ar, An.	0.60 П		Truck, 5 T	on, Grain	0.45 HI		
18-46-00, Dry 165.00 Lb 32-00-00, URAN 32, Lqd 20.00 Ga Chlorothalonil 4.00 Pt EPTC 1.50 Pt Pinto Bean Sd 70.00 Lb Trifluralin 2.00 Pt Water, Pump 42.00 Al Irrigators 3.50 Hr Other 0.50 Hr	ΜΑΤΕΡΙΔΙ 9	SREOUREM	FNT (per Δ	cre)									
EPTC 1.50 Pt Water, Pump Pinto Bean Sd 70.00 Lb Trifluralin 2.00 Pt LABOR REQUIREMENT (per Acre) Harvest 0.80 Hr Irrigators 3.50 Hr Other 0.50 Hr					32-00-00 URAN 3	32 Lad 2	0.00 Ga		Chlorothal	onil	4 00 Pt		
Water, Pump 42.00 AI LABOR REQUIREMENT (per Acre) Harvest 0.80 Hr Irrigators 3.50 Hr Other 0.50 Hr		, D.y								O			
Harvest 0.80 Hr Irrigators 3.50 Hr Other 0.50 Hr	_	ump			i into Boair od	,	0.00 Lb		maraiii		2.00 11		
Harvest 0.80 Hr Irrigators 3.50 Hr Other 0.50 Hr													
3		QUIREMENT											
Tractor 3.08 Hr			_		Irrigators		3.50 Hr		Other		0.50 Hr		
11000	Tractor		3.	.08 Hr									

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

COUNTY:Cochise FARM: Cochise County 98 WATER SOURCE: Stewart, Elect TILLAGE: Double Crop CROP: Beans, Pinto ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam AREA: Stewart YIELD: 18.8 CW / Acre PREVIOUS CROP: Wheat, Durum DATE: 3/8/99

ı	First No.Month	Times	Operation	Equipment/ Custom Oper HP Self-Prop./ Implement	Job Rate Acres/Hr		l Use and Cost Appl. Ra	te \$ / Unit	Service Cost \$ / Unit	Labor Type
1	Jul	2.0	Disk	245 Dbl. Offset Disk, 16'	3.00					Tractor
2	Jul	1.0	List	125 Lister, 7 Bottom	2.00					Tractor
3	Jul	1.0	Mulch	125 Power Mulcher, 6 Rw	2.00					Tractor
4	Jul	1.0	Apply Herbicide/Ground	100 Saddle Tk Sprayer, 2 Tk 8	6.00	Trifluralin EPTC	2.00 Pt 1.50 Pt	24.95 Ga 35.08 Ga		Tractor
5	Jul	1.0	Plant	125 Planter, Drill Type, 6 Row	4.00	Pinto Bean Sd 18-46-00, Dry	70.00 Lb 165.00 Lb	57.00 CV 275.00 Tr	-	Tractor
6	Jul	5.0	Irrigate		2.00	Water, Pump	6.00 AI	52.44 AF	=	Irrigators
7	Aug	1.0	Cultivate	125 Cultivator, Sweep, 6 Rw	4.00					Tractor
8	Aug	2.0	Irrigate/Run Fertilizer		2.00	Water, Pump 32-00-00, URAN 32,	6.00 AI 10.00 Ga	52.44 AF 173.00 Tr		Irrigators
9	Aug	2.0	Apply Fungicide/Air	CST Air Spray, 10 Gal Mix		Chlorothalonil	2.00 Pt	41.37 Ga	a 5.54 Ac	;
10) Oct	1.0	Dig	125 Bean Knife Rig - 3 Pt/8	4.00					Tractor
1	l Oct	1.0	Windrow	125 Bean Rod/Windrower 10	4.00					Tractor
1:	2 Oct	1.0	Combine Harvest	Combine, Sm. Gr., PL20, 155	1.25					Harvest
1:	3 Oct	1.0	Haul	Truck, 5 Ton, Grain	2.00					Other
14	1 Oct	1.0	Cleaning	CST Clean Dry Beans					4.00 Tn	
1	5 Nov	1.0	Disk Residue Pickup use 10 Mi/Ac	125 Dbl. Offset Disk, 16' Pickup Truck, 1/2 Ton	4.00 3.00					Tractor

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