YIELD:

COUNTY: Maricopa CROP: Wheat, Durum AREA: Salt River Project FARM: Maricopa County 98 ACRES: 1.0

5,600.0 Lb / Acre

WATER SOURCE: Salt River Project IRRIGATION SYSTEM: Flood Furrow PREVIOUS CROP: Cotton, Upland

TILLAGE: Conventional SOIL: Sandy-Loam DATE: 2/2/99

	Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME	Grain	Pound	5,600.00	\$0.08	\$420.00	\$420.00	
Paid Labo Tracto Irrigat	or (including benefits) or/Self Propelled	GROWING EXPENSES (in	cluding sales tax)		11.43 18.19 0.24	29.86	
Chemicals Fertiliz Herbio		ons			72.28 18.43	90.71	
Diese	chinery and Vehicles I Fuel Irs and Maintenance				4.68 6.17	10.86	
	Water (excluding labor) sessment (See Note Be					8.33	
	chased Inputs & Transplants				19.99	19.99	
		TOTAL CASH LAND PRE	PARATION AND GROW	/ING EXPENSES		159.75	
CASH HARV	EST AND POST HAR\	/EST EXPENSES					
	r (including benefits) or/Self Propelled				0.49	0.49	
Diesel	hinery and Vehicles I Fuel rs and Maintenance				0.18 0.29	0.47	
Custom H	arvest/Post Harvest					71.10	
		TOTAL HARVEST AND P	OST HARVEST EXPEN	SE		72.06	
	OVERHEAD PICKU	JP USE				7.64 7.17	
		TOTAL CASH OPERATIN RETURNS OVER CASH	IG EXPENSES HOPERATING EXPENS	ES		\$246.62 \$173.38	

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

<sup>\*\*</sup> A water assessment charge of \$20.00 per Acre is included as an ownership cost in Table B.

COUNTY:Maricopa FARM: Maricopa County 98 WATER SOURCE: Salt River Project TILLAGE: Conventional CROP: Wheat, Durum ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam PREVIOUS CROP: Cotton, Upland DATE: 2/2/99

	CACH COST DAGG	C (CACDE)	TOTAL COST BASIS (\$/ACBS)
Item	CASH COST BASIS Income and Costs	Net Returns	TOTAL COST BASIS (\$/ACRE) Income and Costs Net Returns
TOTAL INCOME at \$0.08 / Lb TOTAL OPERATING EXPENSES RETURN OVER CASH OPERATING EXPENSES	\$420.00 \$246.62	\$173.38	\$420.00 \$246.62 \$173.38
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.)	1.34 12.33 7.40		1.34 12.33 7.40
Total Cash Overhead Expenses	21.07		21.07
Total Cash Operating and Overhead Cost RETURNS OVER CASH OPER. AND OVER. EXPENSES	267.69	\$152.31	267.69 \$152.31
CAPITAL ALLOCATIONS (100% Equity) Capital Replacement, Machinery and Vehicles Interest on Equity, Machinery and Vehicles			7.25 4.02
Total Capital Allocations RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK RETURNS TO LAND, MANAGEMENT AND RISK	>	\$152.31	11.26 ************************************
Land Cost / Ownership (100% Equity) Property Taxes (\$619.00 X 16.0% X 0.141) Opportunity Interest on Land (100% X 6.0 X \$619.00) Water Assessment	13.98 20.00		13.98 37.14 20.00
Total Land Costs  RETURNS TO CAPITAL, MANAGEMENT AND RISK  RETURNS TO MANAGEMENT AND RISK	33.98	\$118.33	71.12 > \$69.92
Management Services (8% of Total Operation Expenses)			19.73
TOTAL OWNERSHIP COST	55.05		123.19
TOTAL COST RETURNS TO CAPITAL, MANAGEMENT AND RISK	\$301.67 ************************************	\$118.33	\$369.81
RETURNS TO RISK (PROFITS)			<del></del>
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb) BREAK-EVEN PRICE TO COVER OWNERSHIP COST BREAK-EVEN PRICE TO COVER TOTAL COST		\$0.04 \$0.01 \$0.05	\$0.04 \$0.02 \$0.07

COUNTY:Maricopa FARM: Maricopa County 98 WATER SOURCE: Salt River Project TILLAGE: Conventional CROP: Wheat, Durum ACRES: IRRIGATION SYSTEM: Flood Furrow Sandy-Loam SOIL: AREA: Salt River Project YIELD: 5,600.0 Lb / Acre PREVIOUS CROP: Cotton, Upland 2/2/99 DATE:

	First	0	Hour		Operati			<b>-</b> ·	Tot. Cash			
No.	Month	Operation	Machine	Labor	Fuel/Rps.	Labor Cu	ust/Serv. I	Materials	Total	Times	Expenses	Class
1	Dec	Apply Fert/Ground	0.180	0.200	1.39	1.95		31.81	35.15	1.0	35.15	G
2	Dec	Disk	0.170	0.189	2.71	1.84			4.55	1.0	4.55	L
3	Dec	Make Borders	0.158	0.175	1.50	1.71			3.21	1.0	3.21	G
4	Dec	Plant	0.225	0.250	2.70	2.44		19.99	25.12	1.0	25.12	L
5	Dec	Buck Rows	0.022	0.050	0.13	0.49			0.62	1.0	0.62	G
6	Dec	Irrigate/Run Fertilizer		0.333		3.25		20.23	23.48	2.0	46.96	G
7	Jan	Apply Herbicide/Air					4.75	13.68	18.43	1.0	18.43	G
8	Mar	Irrigate		0.300		2.92		2.08	5.01	4.0	20.03	G
9	May	Prepare Ends	0.045	0.050	0.47	0.49			0.96	1.0	0.96	Н
10	May	Combine Harvest					57.10		57.10	1.0	57.10	Н
11	May	Haul, Custom 56 CW					14.00		14.00	1.0	14.00	Н
12	Jun	Disk Residue 56 CW	0.300	0.333	2.42	3.25			5.67	1.0	5.67	L
		Pickup Use30 Mi/Acre	1.000		7.64						7.64	
		Operating Interest at 10.0					7.17				7.17	
				ТОТ	AL CASH OPE	ERATING EX	XPENSES	(includes a	Il times ove	er):	246.62	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 \$20.00 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY BY CLASS		SENSITIVIT	SENSITIVITY OF THE NET REVENUES OVER TOTAL CASH EXPENSES (\$/ACRE)								
Land Preparation (L)	35.34	Prices		- 25%	- 10%	Budgeted	+ 10%	+ 25%			
Growing (G) Harvest (H)	124.41 72.06	Yields		\$0.06	\$0.07	\$0.08	\$0.08	\$0.09	Break-even Price		
Post Harvest (P)	0.00	- 25%	4,200.0	8.98	56.23	87.73	119.23	166.48	0.05		
Marketing (M)	0.00	- 10%	5,040.0	45.42	102.12	139.92	177.72	234.42	0.05		
Operating Overhead (O)	14.81	Budgeted	5,600.0	69.72	132.72	174.72	216.72	279.72	0.04		
	========	+ 10%	6,160.0	94.01	163.31	209.51	255.71	325.01	0.04		
Total (T)	\$246.62	+ 25%	7,000.0	130.45	209.20	261.70	314.20	392.95	0.04		
		Break-even	Yield	3,992.93	3,170.69	2,787.95	2,487.66	2,141.65			

FARM: Maricopa County 98 COUNTY:Maricopa WATER SOURCE: Salt River Project TILLAGE: Conventional CROP: Wheat, Durum ACRES: IRRIGATION SYSTEM: Flood Furrow Sandy-Loam SOIL: AREA: Salt River Project YIELD: 5,600.0 Lb / Acre PREVIOUS CROP: Cotton, Upland DATE: 2/2/99

Water Applied Total				Operating Costs (\$/ACRE *)								
Month *	Number Irrigations	Applied (inches)	Total Labor (Hrs)	Purchased Water	Fuel, Oil and Repairs	Labor	Chemicals	Other Purchases	Services	Total		
DEC P JAN C	1.0	6.0	1.20		8.44	11.67	52.05 13.68	19.99	4.75	92.14 18.43		
FEB C MAR C	1.0 2.0	6.0 11.0	0.33 0.60	0.00		3.25 5.85	20.23		0	23.48 5.85		
APR C MAY C JUN C	2.0	11.0	0.60 0.05 0.33	8.33	0.47 2.42	5.85 0.49 3.25			7.80 63.30	14.18 8.76 68.97		
Pickup Use Operating Ir Water Asse	iterest at 10.0			**	7.64				7.17	7.64 7.17		
Total %	6.0	34.0	3.11	8.33 3.38	18.97 7.69	30.35 12.31	85.96 34.86	19.99 8.11	83.02 33.66	246.62 100.00		
TOTAL RES Total N Total P Total K Total Labo Total Wat		181.6 50.0 0.0 3.1 34.0	S ( per Acre)	TOTAL ENE Diesel Fi Unleader All Direct	d Gas	MENTS ( per A 6.0 Ga 3.0 Ga 1.2 M E	í I					
Border Di Offset Dis		ty 0.	16 Hr 05 Hr	Fertilizer Broadcas Offset Disk, 18'	0.	18 Hr 17 Hr		uck, 1/2 Ton	0.22 Hr 1.00 Hr			
Rotary Ho Tractor, 1	oe, 4 Rw 00 PTO HP,		30 Hr 75 Hr	Rowbuck, 10' Tractor, 125 PTO I		02 Hr 16 Hr		50 PTO HP, 50 PTO HP,	0.02 Hr 0.17 Hr			
16-20-00	S REQUIREM , Dry /heat Sd, Cert	` 250.	cre) 00 Lb 00 Lb	32-00-00, URAN 3 Water, District	, 1	00 Ga 00 Al	Dicamba		1.00 Pt			
Irrigators		`` ´1.	87 Hr	Other	0.	03 Hr	Tractor		1.22 Hr			

<sup>\*</sup>NOTE: P = Previous Year C = Current Year N = Next Year

<sup>\*\*</sup> A water assessment charge of \$20.00 per Acre is included as an ownership cost in Table B.

COUNTY:Maricopa FARM: Maricopa County 98 WATER SOURCE: Salt River Project TILLAGE: Conventional CROP: Wheat, Durum ACRES: IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam YIELD: 5,600.0 Lb / Acre PREVIOUS CROP: 2/2/99 AREA: Salt River Project Cotton, Upland DATE:

No	First o.MonthTi	mes Operation	Equipment/ Custom Oper HP Self-Prop./ Implement	Job Rate Acres/Hr	Material Us Name		st Rate \$ / Ur	_	Service Cost \$ / Unit	Labor Type
1	Dec	1.0 Apply Fert/Ground	100 Fertilizer Broadcaster,	5.00	16-20-00, Dry	250.00 L	b 240.67	Tn		Tractor
2	Dec	1.0 Disk	150 Offset Disk, 18'	5.30	•					Tractor
3	Dec	1.0 Make Borders	125 Border Disk, Heavy Duty	5.70						Tractor
4	Dec	1.0 Plant	100 Grain Drill, 14'	4.00	Durum Wheat Sd, Cert	90.00 L	b 21.00	CW		Tractor
5	Dec	1.0 Buck Rows	80 Rowbuck, 10'	40.00						Tractor
										Other
6	Dec	2.0 Irrigate/Run Fertilizer		3.00	Water, District	6.00 A	0.00	ΑF		Irrigators
		· ·			32-00-00, URAN 32,	20.00 G	a 173.00	Tn		ŭ
7	Jan	1.0 Apply Herbicide/Air	CST Air Spray, 5 Gal Mix		Dicamba	1.00 F	Pt 103.50	Ga	4.75 Ac	
8	Mar	4.0 Irrigate		3.33	Water, District	5.50 A	AI 4.55	ΑF		Irrigators
9	May	1.0 Prepare Ends	100 Offset Disk, 13.5'	20.00						Tractor
10	May	1.0 Combine Harvest	CST Combine Wheat						37.50 Ac	
11	May	1.0 Haul, Custom	CST Haul Grain						0.25 C	
12	Jun	1.0 Disk Residue	100 Rotary Hoe, 4 Rw	3.00						Tractor
		Pickup use 30 Mi/Ac	Pickup Truck, 1/2 Ton	1.00						

<sup>\*</sup>NOTES: Machine times, labor times, and material rates are for one time over the designated acreage.