COUNTY: Maricopa FARM: Maricopa Veg 98 WATER SOURCE: Salt River Project TILLAGE: Double Crop IRRIGATION SYSTEM: Flood Furrow CROP: Cantaloupes ACRES: 1.0 SOIL: Sandy-Loam AREA: Salt River Project YIELD: 381.0 Ct / Acre PREVIOUS CROP: Safflower DATE: 12/10/98

ltem	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME Melons	Crtn	381.00	\$12.90	\$4,914.90	\$4,914.90	
CASH LAND PREPARATION AND GRO Paid Labor (including benefits) Tractor/Self Propelled Irrigation Other/ Contract	DWING EXPENSES (inc	cluding sales tax)		47.75 58.52 6.34	112.60	
Chemicals and Custom Applications Fertilizer Insecticide Other Chemicals				179.71 41.90 4.93	226.54	
Farm Machinery and Vehicles Diesel Fuel Repairs and Maintenance				18.11 26.68	44.79	
Irrigation Water (excluding labor) Water Assessment (See Note Below) **				25.00	
Other Purchased Inputs & Seed/Transplants Other Services and Rentals				20.01 168.00	188.01	
		PARATION AND GROW	ING EXPENSES		596.94	
CASH HARVEST AND POST HARVES	T EXPENSES					
Custom Harvest/Post Harvest Other Materials					685.80 282.04	
TC	TAL HARVEST AND P	OST HARVEST EXPEN	SE		967.84	
OPERATING OVERHEAD PICKUP I	JSE				7.64	
OPERATING INTEREST AT 10.0%					18.86 	
	OTAL CASH OPERATIN				\$1,591.27	
F	RETURNS OVER CASH	HOPERATING EXPENS	ES		\$3,323.63	

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

^{**} A water assessment charge of \$10.00 per Acre is included as an ownership cost in Table B.

COUNTY:Maricopa CROP: Cantaloupes AREA: Salt River Project FARM: Maricopa Veg 98 ACRES: 1.0

YIELD:

WATER SOURCE: IRRIGATION SYSTEM: Flood Furrow 381.0 Ct / Acre PREVIOUS CROP:

Salt River Project Safflower

TILLAGE: Double Crop Sandy-Loam SOIL: DATE: 12/10/98

ltem	CASH COST BASI	S (\$/ACRE) Net Returns	TOTAL COST BASIS (\$/A	ACRE) Returns
TOTAL INCOME at \$12.90 / Ct	\$4,914.90	Not Notario	\$4,914.90	110141110
TOTAL OPERATING EXPENSES RETURN OVER CASH OPERATING EXPENSES	\$1,591.27	\$3,323.63	\$1,591.27 \$3,3	23.63
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.)	5.22 79.56 47.74		5.22 79.56 47.74	
Total Cash Overhead Expenses	132.52		132.52	
Total Cash Operating and Overhead Cost RETURNS OVER CASH OPER. AND OVER. EXPENSES	1,723.79	\$3,191.11	1,723.79 \$3,1	91.11
CAPITAL ALLOCATIONS (100% Equity) Capital Replacement, Machinery and Vehicles Interest on Equity, Machinery and Vehicles			28.51 12.00	
Total Capital Allocations RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK RETURNS TO LAND, MANAGEMENT AND RISK	>	\$3,191.11	40.51 > \$3,1	50.60
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	6.99 10.00		6.99 18.57 10.00	
Total Land Costs RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO MANAGEMENT AND RISK			35.56 \$3,1	15.04
Management Services (8% of Total Operation Expenses)			127.30	
TOTAL OWNERSHIP COST	149.51		335.89	
TOTAL COST RETURNS TO CAPITAL, MANAGEMENT AND RISK	\$1,740.78	\$3,174.12	\$1,927.17	
RETURNS TO RISK (PROFITS)			> \$2,9	87.73
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb) BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$4.18 \$0.39		\$4.18 \$0.88
BREAK-EVEN PRICE TO COVER TOTAL COST		\$4.57		\$5.06

COUNTY:Maricopa FARM: Maricopa Veg 98 WATER SOURCE: Salt River Project TILLAGE: Double Crop CROP: Cantaloupes ACRES: IRRIGATION SYSTEM: Flood Furrow Sandy-Loam 1.0 SOIL: AREA: Salt River Project YIELD: 381.0 Ct / Acre PREVIOUS CROP: Safflower DATE: 12/10/98

	First	_	Hour	s *	Operati	ng Costs	(\$/ACRE *)	Per Opera	ation		Tot. Cash	
No.	Month	Operation	Machine	Labor	Fuel/Rps.	Labor C	ust/Serv. Í	Materials	Total	Times	Expense	Class
1	Feb	Rip	0.450	0.500	5.72	4.87			10.60	0.5	5.30	L
2	Feb	Disk	0.150	0.167	2.44	1.63			4.07	3.0	12.21	L
3	Feb	Plow	0.450	0.500	6.51	4.87			11.38	1.0	11.38	L
4	Feb	Laser Level	0.450	1.000	4.50	9.75			14.25	0.5	7.12	L
5	Feb	Soil Fertility					3.00		3.00	1.0	3.00	G
6	Feb	Apply Fert/Ground	0.180	0.200	1.43	1.95		52.35	55.73	1.0	55.73	G
7	Feb	List	0.225	0.250	2.02	2.44			4.46	1.0	4.46	L
8	Mar	Plant	0.360	0.800	5.06	7.80		20.01	32.87	1.0	32.87	L
9	Mar	Buck Rows	0.023	0.025	0.10	0.24			0.34	1.0	0.34	G
10	Mar	Irrigate		0.667		6.50		2.78	9.28	9.0	83.52	G
11	Mar	Cultivate	0.225	0.250	1.50	2.44			3.93	7.0	27.53	G
12	Mar	Apply Fert/Ground	0.257	0.286	2.93	2.79		63.68	69.40	2.0	138.80	G
13	Apr	Apply Insecticide/Air					4.75	16.20	20.95	2.0	41.90	G
14	Apr	Apply Fungicide/Air					4.75	0.18	4.93	1.0	4.93	G
15	Apr	Hand Weeding					75.00		75.00	2.0	150.00	G
16	Apr	Pollinate					15.00		15.00	1.0	15.00	G
17	May	Harvest 381 Ct					590.55	282.04	872.59	1.0	872.59	Н
18	May	Haul, Custom 381 Ct					95.25		95.25	1.0	95.25	Н
19	May	Disk Residue 381 Ct	0.180	0.200	1.94	1.95			3.89	1.0	3.89	L
	,	Pickup Use30 Mi/Acre	1.000		7.64						7.64	
		Operating Interest at 10.0					18.86				18.86	
TOT	AL CASH	HOPERATING EXPENSES	(includes a	Il times over): 52.96	112.07	886.91	539.33			1591.27	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 \$10.00 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY B	Y CLASS	SENSITIVITY	Y OF THE	NET REVE	NUES OVE	R TOTAL CA	SH EXPENS	SES (\$/ACF	RE)
Land Preparation (L)	77.23	Prices		- 25%	- 10%	Budgeted	+ 10%	+ 25%	
Growing (G) Harvest (H)	519.70 967.84	Yields		\$9.67	\$11.61	\$12.90	\$14.19	\$16.13	Break-even Price
Post Harvest (P)	0.00	- 25%	285.8	1,416.87	1,969.79	2,338.41	2,707.03	3,259.96	4.72
Marketing (M)	0.00	- 10%	342.9	1,824.62	2,488.13	2,930.47	3,372.81	4,036.32	4.35
Operating Overhead (O)	26.50	Budgeted	381.0	2,096.45	2,833.69	3,325.18	3,816.67	4,553.90	4.17
		+ 10%	419.1	2,368.29	3,179.25	3,719.88	4,260.52	5,071.48	4.02
Total (T)	\$1,591.27	+ 25%	476.3	2,776.04	3,697.58	4,311.94	4,926.31	5,847.85	3.85
		Break-even	Yield	87.16	68.57	60.03	53.38	45.78	

COUNTY:Maricopa FARM: Maricopa Veg 98 WATER SOURCE: Salt River Project TILLAGE: Double Crop CROP: Cantaloupes ACRES: IRRIGATION SYSTEM: Flood Furrow 1.0 Sandy-Loam SOIL: AREA: Salt River Project YIELD: 381.0 Ct / Acre PREVIOUS CROP: Safflower DATE: 12/10/98

		Water				Operati	ng Costs (\$/A						
Month *	Number Irrigations	Applied (inches)	Total Labor (Hrs)	Purchased Water	Fuel, Oil and Repairs	Labor	Chemicals	Other Purchases	Services	Total			
FEB C	1.0	6.0	2.62		23.16	48.42	52.35		3.00	126.93			
MAR C	2.0	12.0	3.19		12.50	38.59	63.68	20.01	0.00	134.78			
APR C	3.0	18.0	3.04	10.00	4.33	11.73	80.06	20.01	174.50	280.62			
MAY C	3.0	18.0	2.25	15.00	1.46	8.94	16.20	141.02	348.55	531.17			
JUN C			0.45		3.87	4.39		141.02	342.00	491.28			
Pickup Use:	30 Mi/Acre				7.64					7.64			
	terest at 10.0								17.16	17.16			
Water Asses	sment			**									
Total	9.0	54.0	11.55	25.00	52.96	112.07	212.29	302.05	886.91	1591.27			
%				1.57	3.33	7.04	13.34	18.98	55.74	100.00			
TOTAL RES	OURCE REC	UIREMENT	S (per Acre)	TOTAL ENER	RGY REQUIRE	MENTS (per A	Acre)						
Total N		149.6		Diesel Fu	el	22.4 Ga	ı ´						
Total P		206.2		Unleaded	Gas	3.0 Ga							
Total K		31.1		All Direct	Energy	3.5 M E	3TU						
Total Labo		11.6											
Total Wate	er	54.0											
	T REQUIREM												
Bed Shap	,		36 Hr	Cultivator, Sweep,		.57 Hr	Drag Scra		0.22 Hr				
	Broadcaster,		18 Hr	Fertilizer Injector, 4		.51 Hr	,	mplete System	0.22 Hr				
Lister, 5 E			22 Hr	Moldboard Plow, 4-		.45 Hr	Offset Dis		0.18 Hr				
Offset Dis	,		45 Hr 02 Hr	Pickup Truck, 1/2 T Tractor, 50 PTO H		.00 Hr .02 Hr		rill Type, 4 Row '0 PTO HP,	0.36 Hr 1.57 Hr				
Rowbuck	, 10 00 PTO HP,		02 Hr 46 Hr	Tractor, 50 PTO H		.02 Hr .22 Hr		0 PTO HP, 50 PTO HP,	1.57 Hr 1.13 Hr				
V-Ripper,	,		46 Hr 22 Hr	1140101, 125 PTO F	ir, U	.ZZ NI	rractor, 1	50 P 10 HP,	1.13 Hf				
										_			
MATERIALS	REQUIREM	ENT (per Ad	cre)										
11-48-00,			00 [°] Lb	15-08-04, Lqd	70	.00 Ga	Cantaloup	e Cartons	381.00 Ct				
Cantalou	oe Śd	2.	00 Lb	Endosulfan	3	.00 Pt	Fenvalera		1.00 Pt				
Sulfur		0.	25 Lb	Water, District	54	.00 AI							
	QUIREMENT		00 115	Other	0	GE IIn	Trooto-		4.00 11-				
Irrigators		6.	00 Hr	Other	0	.65 Hr	Tractor		4.90 Hr				

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

^{**} A water assessment charge of \$10.00 per Acre is included as an ownership cost in Table B.

COUNTY:Maricopa FARM: Maricopa Veg 98 WATER SOURCE: Salt River Project TILLAGE: Double Crop CROP: Cantaloupes ACRES: IRRIGATION SYSTEM: Flood Furrow Sandy-Loam 1.0 SOIL: AREA: Salt River Project YIELD: 381.0 Ct / Acre PREVIOUS CROP: Safflower DATE: 12/10/98

No	First o.Month 1	Γimes C	peration	Equipment/ Custom Oper HP Self-Prop./ Implement	Job Rate Acres/Hr		rial Use and C Appl		 e \$ / Uni		ervice Cost \$ / Unit	Labor Type
1	Eob	0.5 Din		150 V Dinner & Chak	2.00							Tractor
2	Feb Feb	0.5 Rip 3.0 Disk		150 V-Ripper, 5 Shnk 150 Offset Disk, 18'	6.00							Tractor Tractor
3		1.0 Plow		•								
	Feb Feb		oval	150 Moldboard Plow, 4-16 2	2.00 2.00							Tractor Tractor
4	reb	0.5 Laser L	evei	125 Drag Scraper, 10'	2.00							Other
5	Feb	1.0 Soil Fer	+ili+v	Laser, Complete System CST Soil Analysis (Surface)							3.00 Ac	Otriel
6	Feb		,	100 Fertilizer Broadcaster.	5.00	11-48-00, Dry	300.00	l h	330.00	Tn		Tractor
7	Feb	1.0 Apply F 1.0 List	envGround	100 Fertilizer Broadcaster,	4.00	11-40-00, DIY	300.00	LD	330.00	111		Tractor
8	Mar	1.0 List		· ·		Cantalauna Sd	2.00	l h	9.46	l h		Tractor
0	IVIAI	1.0 Flatit		100 Planter, Drill Type, 4 Row Bed Shaper, 4 Rw	2.30	Cantaloupe Sd	2.00	LD	9.40	LD		Other
9	Mor	1.0 Buck Ro			40.00							Other Tractor
10	Mar		JWS	50 Rowbuck, 10'	40.00	Water District	6.00	٨١	5.56	۸ E		
	Mar	9.0 Irrigate 7.0 Cultivate	•	70 Cultivator Swaan 4 Dw	1.50 4.00	Water, District	6.00	ΑI	5.50	AF		Irrigators
11	Mar			70 Cultivator, Sweep, 4 Rw		45.00.04 1 md	25.00	O-	240.00	т		Tractor
12	Mar	2.0 Apply F		100 Fertilizer Injector, 4 Row	3.50	, , ,	35.00			Tn		Tractor
13	Apr	2.0 Apply if	secticide/Air	CST Air Spray, 5 Gal Mix		Fenvalerate	0.50		140.69		4.75 Ac	
	A	4.0. 4		COT Air Or and F O - I Min		Endosulfan	1.50	Pt	34.80		4.75.4.	
14	Apr	1.0 Apply F	•	CST Air Spray, 5 Gal Mix		Sulfur	0.25	LD	0.69	Lb	4.75 Ac	
15	Apr	2.0 Hand W		CST Hand Weeding							75.00 Ac	
16	Apr	1.0 Pollinate		CST Bee Hive Rental		0 11 0 1	004.00	٥.	0.70	٥.	15.00 Ac	
17	May	1.0 Harvest		CST Cut & Load Melons		Cantaloupe Carton	is 381.00	Ct	0.70	Ct	1.55 Ct	
18	May	1.0 Haul, C		CST Haul Melons							0.25 Ct	
19	May	1.0 Disk Re		100 Offset Disk, 13.5'	5.00							Tractor
		Pickup i	use 30 Mi/Ac	Pickup Truck, 1/2 Ton	1.00							

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