

COUNTY: Maricopa	FARM: Maricopa Vegetables	WATER SOURCE: RWCD	TILLAGE: Conventional
CROP: Squash, Summer	ACRES: 1.0	IRRIGATION SYSTEM: Flood Furrow	SOIL: Sandy-Loam
AREA: Roosevelt WCD	YIELD: 190.0 Ct/Acre	PREVIOUS CROP: Mixed Greens	DATE: 08/20/95

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Squash	Crtn	190.00	\$7.5800	\$1,440.20	\$1,440.20	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					309.51	_____
Tractor/Self Propelled				67.78		_____
Irrigation				235.19		_____
Other/Contract				6.54		_____
Chemicals & Custom Applications					84.93	_____
Fertilizers				52.59		_____
Insecticides				6.09		_____
Herbicides				26.25		_____
Farm Machinery and Vehicles					40.62	_____
Diesel Fuel				13.69		_____
Repairs & Maint.				26.93		_____
Irrigation Water (excluding labor)					62.52	_____
Water Assessment (See Note Below) **					**	_____
Other Purchased Inputs & Services					549.04	_____
Seed/Transplants				399.04		_____
Other Services & Rentals				150.00		_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					1,046.62	_____
CASH HARVEST AND POST HARVEST EXPENSES						
Paid Labor (including benefits)					414.38	_____
Other/Contract				414.38		_____
Farm Machinery and Vehicles					51.55	_____
Diesel Fuel				23.51		_____
Repairs & Maint.				28.04		_____
Other Materials					319.20	_____
TOTAL HARVEST AND POST HARVEST EXPENSE					785.13	_____
OPERATING OVERHEAD->PICKUP USE					2.30	_____
OPERATING INTEREST AT 9.0%					10.75	_____
TOTAL CASH OPERATING EXPENSES					\$1,844.80	=====
RETURNS OVER CASH OPERATING EXPENSES					(\$404.60)	=====

Notes: The above figures do not include ownership costs, see Table 14B on Next Page for detailed cost allocation.
 ** A water assessment charge of \$17.00/Acre is included in the ownership costs of Table 14B.

COUNTY: Maricopa FARM: Maricopa Vegetables WATER SOURCE: RWCD TILLAGE: Conventional
 CROP: Squash, Summer ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Roosevelt WCD YIELD: 190.0 Ct/Acre PREVIOUS CROP: Mixed Greens DATE: 08/20/95

Item	- CASH COST BASIS (\$/ACRE) --		- TOTAL COST BASIS (\$/ACRE) -	
	Income & Costs	Net Returns	Income & Costs	Net Returns
TOTAL INCOME at \$ 7.5800/Ct	\$1,440.20		\$1,440.20	
TOTAL OPERATING EXPENSES	1,844.79		1,844.79	
RETURN OVER CASH OPERATING EXPENSES		(\$404.59)		(\$404.59)
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	9.15		9.15	
Gen. & Off. Overhead (5% of Tot. Oper. Exp.)	92.23		92.23	
General Farm Maint. (3% of Tot. Oper. Exp.)	55.34		55.34	
Total Cash Overhead Expenses	156.72		156.72	
Total Cash Oper. & Over. Cost	2,001.52		2,001.52	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		(561.32)		(561.32)
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			49.58	
Interest on Equity, Machinery & Vehicles			26.91	
Total Capital Allocations			76.49	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK		(561.32)		
RETURNS TO LAND, MANAGEMENT & RISK				(637.81)
Land Cost / Rent or Lease	200.00		200.00	
Water Assessment **	17.00		17.00	
Total Land Costs	217.00		217.00	
RETURNS TO MANAGEMENT, CAPITAL & RISK		(778.32)		
RETURNS TO MANAGEMENT & RISK				(854.81)
Management Services (8% of Tot. Oper. Exp.)			147.58	
TOTAL OWNERSHIP COST	373.72		597.80	
TOTAL COST	\$2,218.52		\$2,442.60	
RETURN TO MANAGEMENT, CAPITAL & RISK		(\$778.32)		
RETURN TO RISK (PROFITS)				(\$1,002.40)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Ct)		\$9.70		\$9.70
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$1.96		\$3.14
BREAK-EVEN PRICE TO COVER TOTAL COST		\$11.67		\$12.85

Table 14C. Variable Operating Costs; Generic Squash, 1995

COUNTY: Maricopa FARM: Maricopa Vegetables WATER SOURCE: RWCD TILLAGE: Conventional
 CROP: Squash, Summer ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Roosevelt WCD YIELD: 190.0 Ct/Acre PREVIOUS CROP: Mixed Greens DATE: 08/20/95

No.	First Month	Operation	— Hours * --		----- Operating Costs (\$/Acre*) -----					Times	Tot. Cash Expense	Class		
			Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials	Total					
1	Feb	Rip	0.450	0.500	2.07	4.90				6.97	0.5	3.49	L	
2	Feb	Plow	0.900	1.000	7.02	9.80				16.82	1.0	16.82	L	
3	Feb	Disk	0.180	0.200	1.07	1.96				3.03	3.0	9.10	L	
4	Feb	Laser Level	0.450	0.500	4.96	4.90				9.86	0.5	4.93	L	
5	Feb	Apply Fert/Ground	0.090	0.100	0.63	0.98		22.18		23.79	1.0	23.79	G	
6	Mar	List	0.300	0.333	1.96	3.26				5.22	1.0	5.22	L	
7	Mar	Plant	0.600	1.334	7.30	13.08		399.04		419.42	1.0	419.42	L	
8	Apr	Apply Herbicide/Ground	0.225	0.250	1.03	2.45		26.25		29.73	1.0	29.73	G	
9	Apr	Buck Rows	0.045	0.050	0.16	0.49				0.65	1.0	0.65	G	
10	Apr	Irrigate		4.000		39.20		10.42		49.62	6.0	297.72	G	
11	Apr	Cultivate	0.900	1.000	3.76	9.80				13.56	2.0	27.13	G	
12	Apr	Thinning							75.00		75.00	1.0	75.00	G
13	Apr	Apply Insect./Ground	0.225	0.250	1.03	2.45		6.09		9.57	1.0	9.57	G	
14	Apr	Hand Weeding							75.00		75.00	1.0	75.00	G
15	Apr	Apply Fert/Ground	0.900	1.000	6.32	9.80		30.41		46.53	1.0	46.53	G	
16	May	Harvest, Load & Haul	12.857	42.286	51.55	414.38		319.20		785.13	1.0	785.13	H	
17	Jun	Disk Residue	0.150	0.167	0.89	1.64				2.53	1.0	2.53	L	
		Pickup Use 10 Mi/Ac	0.330		2.30							2.30	O	
		Operating Interest at 9.00%							10.74			10.74	O	
TOTAL CASH OPERATING EXPENSES:					\$94.47	\$723.91	\$160.74	\$865.69				\$1,844.81	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 \$17.00/Acre included as ownership cost in Table 14B.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF NET REVENUES OVER TOTAL CASH EXPENSES (\$/Acre)						
		Prices ->		-25%	-10%	Budgeted	+10%	+25%
Land Preparation (L)	\$461.51							
Growing (G)	585.12							
Harvest (H)	785.13	Yields		\$5.68	\$6.82	\$7.58	\$8.33	\$9.47 Break-even
Post Harvest (P)	0.00							
Marketing (M)	0.00	-25%	142.5	-838.41	-676.39	-568.37	-460.36	-298.33
Operating Overhead (O)	13.04	-10%	171.0	-794.16	-599.73	-470.11	-340.49	-146.07
		Budgeted	190.0	-764.65	-548.62	-404.60	-260.58	-44.55
Total (T)	\$1,844.80	+10%	209.0	-735.15	-497.52	-339.10	-180.67	56.95
		+25%	237.5	-690.90	-420.86	-240.84	-60.81	209.22
		Break-even Yield		682.45	393.97	307.35	251.96	198.33

COUNTY: Maricopa FARM: Maricopa Vegetables WATER SOURCE: RWCD TILLAGE: Conventional
 CROP: Squash, Summer ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Roosevelt WCD YIELD: 190.0 Ct/Acre PREVIOUS CROP: Mixed Greens DATE: 08/20/95

Month *	Number Irrig.	Water Applied (Inches)	Total Labor (Hrs)	Operating Cost (\$/Acre)						
				Purchased Water	Fuel, Oil & Repairs	Labor	Chemicals	Other Purchases	Services	Total
FEB C			2.00		13.32	19.60	22.18			55.10
MAR C			1.86		10.34	18.30		399.04		427.67
APR C	3.0	15.0	15.55	31.26	16.07	152.38	62.75		150.00	412.46
MAY C	3.0	15.0	20.45	31.26	10.31	200.47		63.84		305.88
JUN C			33.99		42.13	333.14		255.36		630.64
Pickup Use	10 Mi/Ac				2.30					2.30
Operating Interest	at 9.0%								10.75	10.75
Water Assessment				**						
Total	6.0	30.0	73.87	62.52	94.47	723.89	84.93	718.24	160.75	1,844.80
%				3.38	5.12	39.23	4.60	38.93	8.71	100.00
TOTAL RESOURCES REQUIREMENTS(/Acre)			TOTAL ENERGY REQUIREMENTS(/Acre)							
Total N	115.5 lbs			Diesel Fuel	54.5 Gal					
Total P	62.4 lbs			Regular Gas	0.0 Gal					
Total K	0.0 lbs			NonLead Gas	1.0 Gal					
Total Labor	73.8 Hrs			All Direct Energy	7.6 M BTU					
EQUIPMENT REQUIREMENTS(/Acre)										
Tractor, 50 PTO HP, MFWD	3.42 Hrs	V-Ripper, 5 Shnk	0.23 Hrs	Tractor, 70 PTO HP, MFWD	1.89 Hrs					
Moldboard Plow, 3-16 2 Way	0.90 Hrs	Offset Disk, 8'	0.69 Hrs	Tractor, 150 PTO HP, MFWD	0.23 Hrs					
Drag Scraper, 14'	0.23 Hrs	Laser Receiver, Mast System	0.23 Hrs	Laser Trailer	0.23 Hrs					
Tractor, 100 PTO HP, MFWD	0.69 Hrs	Fertilizer Broadcaster, Towed	0.09 Hrs	Lister, 5 Bottom	0.30 Hrs					
Planter, Drill Type, 4 Row	0.60 Hrs	Bed Shaper, 4 Rw	0.60 Hrs	Directed Spray Rig, 8 Row	0.45 Hrs					
Rowbuck, 10'	0.05 Hrs	Cultivator, Sweep, 3 Rw	1.80 Hrs	Fert. Side Dress Unit, 4Row	0.90 Hrs					
Tractor, 50 PTO HP	12.86 Hrs	Flat Trailer	12.86 Hrs	Pickup Truck, 1/2 Ton	0.33 Hrs					
MATERIALS REQUIREMENTS(/Acre)										
11-48-00, Dry	130.00 Lb	Summer Squash	12.00 Lb	DCPA	5.00 Lb					
Water, District	30.00 AI	Diazinon	1.50 Pt	46-00-00, Urea 46	220.00 Lb					
Wirebound Crates	190.00 Ct									
LABOR REQUIREMENTS(/Acre)										
Tractor	6.92 Hrs	Other	14.67 Hrs	Irrigators	24.00 Hrs					
Truck Driver	14.29 Hrs	Cutter	14.00 Hrs							

* NOTE: P = Previous Year C = Current Year N = Next Year
 ** A water assessment charge of \$17.00/Acre included as ownership cost in Table 14B.

COUNTY: Maricopa FARM: Maricopa Vegetables WATER SOURCE: RWCD TILLAGE: Conventional
 CROP: Squash, Summer ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Roosevelt WCD YIELD: 190.0 Ct/Acre PREVIOUS CROP: Mixed Greens DATE: 08/20/95

No.	Month	First Times	Operation	Equipment/Custom Oper. HP Self-Prop./Implem.	Job Rate Acres/Hr	----- Name	Material Use & Cost Appl. Rate	----- \$/Unit	Service Cost \$/Unit	Labor Type
1	Feb	0.5	Rip	50 V-Ripper, 5 Shnk	2.00					Tractor
2	Feb	1.0	Plow	70 Moldboard Plow, 3-16 2	1.00					Tractor
3	Feb	3.0	Disk	70 Offset Disk, 8'	5.00					Tractor
4	Feb	0.5	Laser Level	150 Drag Scraper, 14' Laser Receiver, Mast Sy Laser Trailer	2.00					Tractor
5	Feb	1.0	Apply Fert/Ground	100 Fertilizer Broadcaster,	10.00	11-48-00, Dry	130.00 Lb	325.00 Tn		Tractor
6	Mar	1.0	List	70 Lister, 5 Bottom	3.00					Tractor
7	Mar	1.0	Plant	100 Planter, Drill Type, 4 Bed Shaper, 4 Rw	1.50	Summer Squash	12.00 Lb	31.67 Lb		Tractor Other
8	Apr	1.0	Apply Herbicide/Groun	50 Directed Spray Rig, 8	4.00	DCPA	5.00 Lb	5.00 Lb		Tractor
9	Apr	1.0	Buck Rows	50 Rowbuck, 10'	20.00					Tractor
10	Apr	6.0	Irrigate		0.25	Water, District	5.00 AI	25.00 AF		Irrigator
11	Apr	2.0	Cultivate	50 Cultivator, Sweep, 3 Rw	1.00					Tractor
12	Apr	1.0	Thinning	CST Thinning					75.00 Ac	
13	Apr	1.0	Apply Insect./Ground	50 Directed Spray Rig, 8	4.00	Diazinon	1.50 Pt	30.95 Ga		Tractor
14	Apr	1.0	Hand Weeding	CST Hand Weeding					75.00 Ac	
15	Apr	1.0	Apply Fert/Ground	50 Fert. Side Dress Unit,	1.00	46-00-00, Urea 46	220.00 Lb	263.25 Tn		Tractor
16	May	1.0	Harvest, Load & Haul	50 Flat Trailer	0.07	Wirebound Crates	190.00 Ct	1.60 Ct		Truck Dri Cutter Other Tractor
17	Jun	1.0	Disk Residue Pickup Use 10 Mi/Ac	70 Offset Disk, 8' Pickup Truck, 1/2 Ton	6.00 3.00					

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

** A water assessment charge of \$17.00/Acre included as ownership cost in Table 14B.