

Table 12A. Income and Cash Operating Cost Summary, Rapini, 1995

COUNTY: Maricopa FARM: Maricopa Vegetables WATER SOURCE: SRP TILLAGE: Double Crop
 CROP: Rapini ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Salt River Project YIELD: 319.0 Ct/Acre PREVIOUS CROP: Carrots DATE: 08/20/95

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Rapini	Crtn	319.00	\$5.6900	\$1,815.11	\$1,815.11	
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					169.05	
Tractor/Self Propelled				93.92		
Irrigation				68.60		
Other/Contract				6.54		
Chemicals & Custom Applications					215.25	
Fertilizers				113.09		
Insecticides				98.15		
Herbicides				4.01		
Farm Machinery and Vehicles					57.83	
Diesel Fuel				21.01		
Repairs & Maint.				36.82		
Irrigation Water (excluding labor)					14.98	
Water Assessment (See Note Below) **					**	
Other Purchased Inputs & Services					279.19	
Seed/Transplants				51.19		
Other Services & Rentals				228.00		
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					736.29	
CASH HARVEST AND POST HARVEST EXPENSES						
Custom Harvest/Post Harvest					1,276.00	
Other Materials					401.94	
TOTAL HARVEST AND POST HARVEST EXPENSE					1,677.94	
OPERATING OVERHEAD->PICKUP USE					13.81	
OPERATING INTEREST AT 9.0%					31.61	
TOTAL CASH OPERATING EXPENSES					\$2,459.66	
RETURNS OVER CASH OPERATING EXPENSES					(\$644.55)	

Notes: The above figures do not include ownership costs, see Table 12B on Next Page for detailed cost allocation.

** A water assessment charge of \$10.18/Acre is included in the ownership costs of Table 12B.

COUNTY: Maricopa FARM: Maricopa Vegetables WATER SOURCE: SRP TILLAGE: Double Crop
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Item	- CASH COST BASIS (\$/ACRE) --		- TOTAL COST BASIS (\$/ACRE) -	
	Income & Costs	Net Returns	Income & Costs	Net Returns
TOTAL INCOME at \$ 5.6900/Ct	\$1,815.11		\$1,815.11	
TOTAL OPERATING EXPENSES	2,459.65		2,459.65	
RETURN OVER CASH OPERATING EXPENSES		(\$644.54)		(\$644.54)
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	7.07		7.07	
Gen. & Off. Overhead (5% of Tot. Oper. Exp.)	122.98		122.98	
General Farm Maint. (3% of Tot. Oper. Exp.)	73.79		73.79	
Total Cash Overhead Expenses	203.84		203.84	
Total Cash Oper. & Over. Cost	2,663.50		2,663.50	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		(848.39)		(848.39)
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			39.30	
Interest on Equity, Machinery & Vehicles			14.68	
Total Capital Allocations			53.97	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK		(848.39)		
RETURNS TO LAND, MANAGEMENT & RISK				(902.36)
Land Cost / Rent or Lease	200.00		200.00	
Water Assessment **	10.18		10.18	
Total Land Costs	210.18		210.18	
RETURNS TO MANAGEMENT, CAPITAL & RISK		(1,058.57)		
RETURNS TO MANAGEMENT & RISK				(1,112.54)
Management Services (8% of Tot. Oper. Exp.)			196.77	
TOTAL OWNERSHIP COST	414.02		664.77	
TOTAL COST	\$2,873.68		\$3,124.42	
RETURN TO MANAGEMENT, CAPITAL & RISK		(\$1,058.57)		
RETURN TO RISK (PROFITS)				(\$1,309.31)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Ct)		\$7.71		\$7.71
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$1.29		\$2.08
BREAK-EVEN PRICE TO COVER TOTAL COST		\$9.00		\$9.79

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No.	Month	First Operation	Hours		Operating Costs (\$/Acre*)					Tot. Cash Expense	Class		
			Machine	* Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials	Total				
1	Jun	Rip	0.225	0.250	2.39	2.45			4.84	0.5	2.42	L	
2	Jul	Plow	0.450	0.500	6.68	4.90			11.58	1.0	11.58	L	
3	Jul	Disk	0.225	0.250	2.92	2.45			5.37	3.0	16.10	L	
4	Jul	Laser Level	0.450	0.500	4.96	4.90			9.86	0.5	4.93	L	
5	Jul	Apply Herbicide/Ground	0.225	0.250	0.90	2.45		4.01	7.36	1.0	7.36	G	
6	Jul	List	0.225	0.250	1.89	2.45			4.34	1.0	4.34	L	
7	Aug	Plant	0.600	1.334	5.37	13.08		51.19	69.64	1.0	69.64	L	
8	Aug	Apply Insect./Ground	0.150	0.167	0.82	1.64		68.91	71.37	1.0	71.37	G	
9	Aug	Buck Rows	0.045	0.050	0.16	0.49			0.65	5.0	3.27	G	
10	Aug	Irrigate		1.000		9.80		2.14	11.94	7.0	83.58	G	
11	Sep	Disk Ends	0.045	0.050	0.24	0.49			0.73	5.0	3.66	G	
12	Sep	Thinning						75.00	75.00	1.0	75.00	G	
13	Sep	Cultivate	0.563	0.625	2.35	6.12			8.47	5.0	42.37	G	
14	Sep	Soil Fertility						3.00	3.00	1.0	3.00	G	
15	Sep	Apply Fert/Ground	0.450	0.500	3.16	4.90		35.67	43.73	2.0	87.46	G	
16	Sep	Apply Insect./Ground	0.225	0.250	1.03	2.45		8.40	11.88	2.0	23.76	G	
17	Sep	Hand Weeding						75.00	75.00	2.0	150.00	G	
18	Oct	Apply Fert/Ground	0.450	0.500	1.80	4.90		20.88	27.58	2.0	55.17	G	
19	Nov	Apply Insect./Ground	0.225	0.250	1.03	2.45		12.43	15.91	1.0	15.91	G	
20	Nov	Harvest, Load & 319.0 Ct						1,276.00	401.94	1,677.94	1.0	1,677.94	H
21	Dec	Disk Residue	0.225	0.250	2.92	2.45			5.37	1.0	5.37	L	
		Pickup Use 60 Mi/Ac	2.000		13.81						13.81	O	
		Operating Interest at 9.00%						28.79			28.79	O	
TOTAL CASH OPERATING EXPENSES:					\$71.64	\$169.05	\$1,532.79	\$683.36			\$2,456.84	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 \$10.18/Acre included as ownership cost in Table 12B.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF NET REVENUES OVER TOTAL CASH EXPENSES (\$/Acre)						
		Prices ->		-25%	-10%	Budgeted	+10%	+25%
Land Preparation (L)	\$114.38							
Growing (G)	621.91							
Harvest (H)	1,677.94	Yields		\$4.26	\$5.12	\$5.69	\$6.25	\$7.11 Break-even
Post Harvest (P)	0.00							
Marketing (M)	0.00	-25%	239.2	-1,016.35	-812.15	-676.01	-539.88	-335.68 8.51
Operating Overhead (O)	42.60	-10%	287.1	-1,063.84	-818.80	-655.44	-492.08	-247.04 7.97
		Budgeted	319.0	-1,095.50	-823.23	-641.72	-460.21	-187.94 7.70
		+10%	350.9	-1,127.16	-827.67	-628.00	-428.34	-128.85 7.47
		+25%	398.7	-1,174.65	-834.32	-607.43	-380.54	-40.21 7.21
Total (T)	\$2,456.83	Break-even Yield		-784.78	-5,603.57	1,811.38	779.67	420.45

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Month *	Number Irrig.	Water Applied (Inches)	Total Labor (Hrs)	Operating Cost (\$/Acre)							
				Purchased Water	Fuel, Oil & Repairs	Labor	Chemicals	Other Purchases	Services	Total	
JUN C			0.12		1.20	1.22					2.42
JUL C			2.00		20.71	19.60	4.01				44.32
AUG C	2.0	12.0	3.60		6.52	35.29	68.91	51.19			161.90
SEP C	2.0	12.0	4.25		9.95	41.65	44.07		153.00		248.67
OCT C	2.0	12.0	5.77	10.00	15.51	56.59	85.82		75.00		242.92
NOV C	1.0	6.0	1.25	5.00	1.03	12.25	12.43	401.94	1,276.00		1,708.65
DEC C			0.25		2.92	2.45					5.37
Pickup Use	60 Mi/Ac				13.81						13.81
Operating Interest	at 9.0%								28.68		28.68
Water Assessment				**							
Total	7.0	42.0	17.25	15.00	71.64	169.05	215.24	453.13	1,532.68		2,456.74
%				0.61	2.91	6.88	8.76	18.44	62.38		100.00
TOTAL RESOURCES REQUIREMENTS(/Acre)				TOTAL ENERGY REQUIREMENTS(/Acre)							
Total N	198.9 lbs			Diesel Fuel	30.7	Gal					
Total P	230.0 lbs			Regular Gas	0.0	Gal					
Total K	0.0 lbs			NonLead Gas	6.0	Gal					
Total Labor	17.2 Hrs			All Direct Energy	5.0	M BTU					
EQUIPMENT REQUIREMENTS(/Acre)											
Tractor, 150 PTO HP, MFWD	1.69 Hrs	V-Ripper, 5 Shnk		0.11 Hrs	Moldboard Plow, 4-16 2 Way		0.45 Hrs				
Offset Disk, 13.5'	0.90 Hrs	Drag Scraper, 14'		0.23 Hrs	Laser Receiver, Mast System		0.23 Hrs				
Laser Trailer	0.23 Hrs	Tractor, 50 PTO HP, MFWD		6.12 Hrs	Fertilizer Broadcaster, Towed		1.13 Hrs				
Tractor, 100 PTO HP, MFWD	0.23 Hrs	Lister, 5 Bottom		0.23 Hrs	Tractor, 70 PTO HP, MFWD		0.60 Hrs				
Planter, Stanhay, 2 Row	0.60 Hrs	Bed Shaper, 4 Rw		0.60 Hrs	Directed Spray Rig, 16 Row		0.15 Hrs				
Rowbuck, 10'	0.23 Hrs	Offset Disk, 10.5'		0.23 Hrs	Cultivator, Sweep, 3 Rw		2.82 Hrs				
Fert. Side Dress Unit, 4Row	0.90 Hrs	Directed Spray Rig, 8 Row		0.68 Hrs	Pickup Truck, 1/2 Ton		2.00 Hrs				
MATERIALS REQUIREMENTS(/Acre)											
Trifluralin	1.00 Pt	Rappini Seed		3.00 Lb	Imidacloprid		16.00 Oz				
Water, District	42.00 AI	18-46-00, Dry		500.00 Lb	Methomyl		4.50 Pt				
33-00-00, Amm. Nitrate, Dry	330.00 Lb	BT		4.00 Lb	Waxed Cartons		319.00 Ct				
LABOR REQUIREMENTS(/Acre)											
Tractor	9.58 Hrs	Other		0.67 Hrs	Irrigators		7.00 Hrs				

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

** A water assessment charge of \$10.18/Acre included as ownership cost in Table 12B.

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No.	Month	First 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	Jun	0.5	Rip	150	V-Ripper, 5 Shnk	4.00					Tractor
2	Jul	1.0	Plow	150	Moldboard Plow, 4-16 2	2.00					Tractor
3	Jul	3.0	Disk	150	Offset Disk, 13.5'	4.00					Tractor
4	Jul	0.5	Laser Level	150	Drag Scraper, 14' Laser Receiver, Mast Sy Laser Trailer	2.00					Tractor
5	Jul	1.0	Apply Herbicide/Groun	50	Fertilizer Broadcaster,	4.00	Trifluralin	1.00 Pt	30.53 Ga		Tractor
6	Jul	1.0	List	100	Lister, 5 Bottom	4.00					Tractor
7	Aug	1.0	Plant	70	Planter, Stanhay, 2 Row Bed Shaper, 4 Rw	1.50	Rappini Seed	3.00 Lb	16.25 Lb		Tractor Other
8	Aug	1.0	Apply Insect./Ground	50	Directed Spray Rig, 16	6.00	Imidacloprid	16.00 Oz	525.00 Ga		Tractor
9	Aug	5.0	Buck Rows	50	Rowbuck, 10'	20.00					Tractor
10	Aug	7.0	Irrigate			1.00	Water, District	6.00 AI	0.00 AF		Irrigator
11	Sep	5.0	Disk Ends	50	Offset Disk, 10.5'	20.00					Tractor
12	Sep	1.0	Thinning		CST Thinning					75.00 Ac	
13	Sep	5.0	Cultivate	50	Cultivator, Sweep, 3 Rw	1.60					Tractor
14	Sep	1.0	Soil Fertility		CST Soil Analysis (Surf					3.00 Ac	
15	Sep	2.0	Apply Fert/Ground	50	Fert. Side Dress Unit,	2.00	18-46-00, Dry	250.00 Lb	271.75 Tn		Tractor
16	Sep	2.0	Apply Insect./Ground	50	Directed Spray Rig, 8	4.00	Methomyl	1.50 Pt	42.68 Ga		Tractor
17	Sep	2.0	Hand Weeding		CST Hand Weeding					75.00 Ac	
18	Oct	2.0	Apply Fert/Ground	50	Fertilizer Broadcaster,	2.00	33-00-00, Amm. Nit	165.00 Lb	241.00 Tn		Tractor
19	Nov	1.0	Apply Insect./Ground	50	Directed Spray Rig, 8	4.00	Methomyl BT	1.50 Pt 4.00 Lb	42.68 Ga 0.96 Lb		Tractor
20	Nov	1.0	Harvest, Load & Haul		CST Pick & Haul Rapini		Waxed Cartons	319.00 Ct	1.20 Ct	4.00 Ct	
21	Dec	1.0	Disk Residue	150	Offset Disk, 13.5'	4.00					Tractor
			Pickup Use	60 Mi/Ac	Pickup Truck, 1/2 Ton	0.50					

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

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