

COUNTY: Maricopa FARM: Maricopa Vegetables WATER SOURCE: SRP TILLAGE: Double Crop
 CROP: Onions, Green ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Salt River Project YIELD: 995.0 Ct/Acre PREVIOUS CROP: Honeydew Melons DATE: 08/20/95

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Onions	Crtn	995.00	\$4.8700	\$4,845.65	\$4,845.65	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					165.19	_____
Tractor/Self Propelled				88.05		_____
Irrigation				70.61		_____
Other/Contract				6.54		_____
Chemicals & Custom Applications					135.16	_____
Fertilizers				78.94		_____
Insecticides				24.40		_____
Herbicides				31.81		_____
Farm Machinery and Vehicles					49.42	_____
Diesel Fuel				17.73		_____
Repairs & Maint.				31.69		_____
Irrigation Water (excluding labor)					17.50	_____
Water Assessment (See Note Below) **					**	_____
Other Purchased Inputs & Services					399.55	_____
Seed/Transplants				321.55		_____
Other Services & Rentals				78.00		_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					766.82	_____
CASH HARVEST AND POST HARVEST EXPENSES						
Paid Labor (including benefits)					0.49	_____
Tractor/Self Propelled				0.49		_____
Farm Machinery and Vehicles					0.22	_____
Diesel Fuel				0.08		_____
Repairs & Maint.				0.14		_____
Custom Harvest/Post Harvest					4,975.00	_____
Other Materials					1,253.70	_____
TOTAL HARVEST AND POST HARVEST EXPENSE					6,229.41	_____
OPERATING OVERHEAD->PICKUP USE					6.91	_____
OPERATING INTEREST AT 9.0%					16.84	_____
TOTAL CASH OPERATING EXPENSES					\$7,019.97	_____
RETURNS OVER CASH OPERATING EXPENSES					(\$2,174.32)	_____

Notes: The above figures do not include ownership costs, see Table 9B on Next Page for detailed cost allocation.
 ** A water assessment charge of \$10.18/Acre is included in the ownership costs of Table 9B.

Table 9B. Allocation of Ownership Costs; Green Onions, 1995

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Item	- CASH COST BASIS (\$/ACRE) --		- TOTAL COST BASIS (\$/ACRE) -	
	Income & Costs	Net Returns	Income & Costs	Net Returns
TOTAL INCOME at \$ 4.8700/Ct	\$4,845.65		\$4,845.65	
TOTAL OPERATING EXPENSES	7,019.97		7,019.97	
RETURN OVER CASH OPERATING EXPENSES		(\$2,174.32)		(\$2,174.32)
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	6.08		6.08	
Gen. & Off. Overhead (5% of Tot. Oper. Exp.)	350.99		350.99	
General Farm Maint. (3% of Tot. Oper. Exp.)	210.60		210.60	
Total Cash Overhead Expenses	567.67		567.67	
Total Cash Oper. & Over. Cost	7,587.65		7,587.65	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		(2,742.00)		(2,742.00)
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			34.11	
Interest on Equity, Machinery & Vehicles			13.78	
Total Capital Allocations			47.89	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK		(2,742.00)		
RETURNS TO LAND, MANAGEMENT & RISK				(2,789.89)
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		(2,952.18)		
RETURNS TO MANAGEMENT & RISK				(3,000.07)
Management Services (8% of Tot. Oper. Exp.)			561.59	
TOTAL OWNERSHIP COST	777.85		1,387.35	
TOTAL COST	\$7,797.83		\$8,407.32	
RETURN TO MANAGEMENT, CAPITAL & RISK		(\$2,952.18)		
RETURN TO RISK (PROFITS)				(\$3,561.67)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Ct)		\$7.05		\$7.05
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.78		\$1.39
BREAK-EVEN PRICE TO COVER TOTAL COST		\$7.83		\$8.44

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No.	First Month	Operation	Hours		Operating Costs (\$/Acre*)					Tot. Cash Expense	Class		
			Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials	Total			Times	
1	May	Plow	0.900	1.000	7.02	9.80				16.82	1.0	16.82	L
2	May	Disk	0.600	0.667	3.58	6.54				10.12	4.0	40.46	L
3	Jun	Laser Level	0.450	0.500	4.96	4.90				9.86	0.5	4.93	L
4	Jul	Soil Fertility					3.00			3.00	1.0	3.00	G
5	Aug	Apply Fert/Ground	0.450	0.500	3.16	4.90		24.96		33.02	1.0	33.02	G
6	Aug	List	0.300	0.333	1.96	3.26				5.22	1.0	5.22	L
7	Aug	Mulch	0.300	0.333	2.34	3.26				5.60	1.0	5.60	L
8	Sep	Plant	0.600	1.334	3.59	13.08		321.55		338.22	1.0	338.22	L
9	Sep	Apply Herbicide/Ground	0.225	0.250	1.03	2.45		31.82		35.30	1.0	35.30	G
10	Sep	Buck Rows	0.045	0.050	0.16	0.49				0.65	1.0	0.65	G
11	Sep	Irrigate		1.000		9.80		2.50		12.30	6.0	73.80	G
12	Sep	Disk Ends	0.045	0.050	0.22	0.49				0.71	4.0	2.83	G
13	Sep	Apply Insect./Ground	0.180	0.200	0.82	1.96		12.20		14.98	2.0	29.96	G
14	Oct	Cultivate	0.600	0.667	2.51	6.54				9.05	2.0	18.10	G
15	Oct	Hand Weeding					75.00			75.00	1.0	75.00	G
16	Oct	Apply Fert/Ground	0.450	0.500	3.16	4.90		47.45		55.51	1.0	55.51	G
17	Nov	Irrigate/Run Fertilizer		1.205		11.81		9.03		20.84	1.0	20.84	G
18	Dec	Prepare Ends	0.045	0.050	0.22	0.49				0.71	1.0	0.71	H
19	Dec	Harvest, Load & 995.0 Ct					4,975.00	1,253.70	6,228.70		1.0	6,228.70	H
20	Jan	Disk Residue	0.450	0.500	2.68	4.90				7.58	1.0	7.58	L
		Pickup Use 30 Mi/Ac	1.000		6.90							6.90	O
		Operating Interest at 9.00%					16.83					16.83	O
TOTAL CASH OPERATING EXPENSES:					\$56.54	\$165.71	\$5,069.83	\$1,727.91				\$7,019.99	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 9B.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF NET REVENUES OVER TOTAL CASH EXPENSES (\$/Acre)						
		Prices ->		-25%	-10%	Budgeted	+10%	+25%
Land Preparation (L)	\$418.83							
Growing (G)	348.01							
Harvest (H)	6,229.40	Yields		\$3.65	\$4.38	\$4.87	\$5.35	\$6.08 Break-even
Post Harvest (P)	0.00							
Marketing (M)	0.00	-25%	746.2	-2,736.96	-2,191.82	-1,828.40	-1,464.97	-919.84 7.32
Operating Overhead (O)	23.73	-10%	895.5	-3,126.23	-2,472.07	-2,035.96	-1,599.85	-945.69 7.14
		Budgeted	995.0	-3,385.75	-2,658.90	-2,174.34	-1,689.77	-962.92 7.05
Total (T)	\$7,019.99	+10%	1,094.5	-3,645.27	-2,845.73	-2,312.71	-1,779.69	-980.16 6.98
		+25%	1,243.7	-4,034.54	-3,125.98	-2,520.27	-1,914.57	-1,006.01 6.89
		Break-even Yield		-303.11	-421.03	-568.47	-874.82	-4,564.30

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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	
MAY C			1.66		10.60	16.34					26.93
JUN C			0.91		6.06	8.99					15.04
JUL C			0.66		3.58	6.54			3.00		13.11
AUG C			1.83		11.04	17.96	24.96				53.96
SEP C	3.0	21.0	4.93		6.04	48.35	44.01	321.55			419.95
OCT C	2.0	14.0	3.46	9.16	6.92	33.97	59.65		75.00		184.71
NOV C	2.0	10.0	2.87	8.33	2.51	28.14	6.53				45.51
DEC C			0.05		0.22	0.49		1,253.70	4,975.00		6,229.41
JAN N			0.50		2.68	4.90					7.58
Pickup Use 30 Mi/Ac					6.90						6.90
Operating Interest at 9.0% Water Assessment				**					16.76		16.76
Total	7.0	45.0	16.90	17.49	56.54	165.68	135.15	1,575.25	5,069.76		7,019.88
%				0.24	0.80	2.36	1.93	22.43	72.22		100.00

TOTAL RESOURCES REQUIREMENTS(/Acre)		TOTAL ENERGY REQUIREMENTS(/Acre)	
Total N	177.0 lbs	Diesel Fuel	26.0 Gal
Total P	40.0 lbs	Regular Gas	0.0 Gal
Total K	0.0 lbs	NonLead Gas	3.0 Gal
Total Labor	16.9 Hrs		
Total Water	45.0 AI	All Direct Energy	3.9 M BTU

EQUIPMENT REQUIREMENTS(/Acre)			
Tractor, 70 PTO HP, MFWD	4.95 Hrs	Moldboard Plow, 3-16 2 Way	0.90 Hrs Offset Disk, 8' 3.08 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, 50 PTO HP, MFWD	2.96 Hrs Fert. Side Dress Unit, 4Row 0.90 Hrs
Lister, 5 Bottom	0.30 Hrs	Power Mulcher, 4 Rw	0.30 Hrs Planter, Planet Jr, 4 Unit/2R 0.60 Hrs
Bed Shaper, 4 Rw	0.60 Hrs	Directed Spray Rig, 8 Row	0.59 Hrs Rowbuck, 10' 0.05 Hrs
Cultivator, Sweep, 3 Rw	1.20 Hrs	Pickup Truck, 1/2 Ton	1.00 Hrs

MATERIALS REQUIREMENTS(/Acre)			
16-20-00, Dry	200.00 Lb	Green Onion Seed	22.00 Lb DCPA 6.00 Lb
Water, District	45.00 AI	Methomyl	3.00 Pt Methyl Parathion 2.00 Pt
33-00-00, Amm. Nitrate, Dry	375.00 Lb	32-00-00, URAN 32, Lqd	6.00 Ga Waxed Cartons 995.00 Ct

LABOR REQUIREMENTS(/Acre)			
Tractor	9.04 Hrs	Other	0.67 Hrs Irrigators 7.21 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 9B.

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No.	Month	First Times	Operation	Equipment/Custom Oper.		Job Rate	Material Use & Cost			Service Cost	Labor Type
				HP	Self-Prop./Implem.		Acres/Hr	Name	Appl. Rate		
1	May	1.0	Plow	70	Moldboard Plow, 3-16	2					Tractor
2	May	4.0	Disk	70	Offset Disk, 8'						Tractor
3	Jun	0.5	Laser Level	150	Drag Scraper, 14' Laser Receiver, Mast Sy Laser Trailer						Tractor
4	Jul	1.0	Soil Fertility		CST Soil Analysis (Surf)					3.00 Ac	
5	Aug	1.0	Apply Fert/Ground	50	Fert. Side Dress Unit,	2.00	16-20-00, Dry	200.00 Lb	237.75 Tn		Tractor
6	Aug	1.0	List	70	Lister, 5 Bottom						Tractor
7	Aug	1.0	Mulch	70	Power Mulcher, 4 Rw						Tractor
8	Sep	1.0	Plant	70	Planter, Planet Jr, 4 U Bed Shaper, 4 Rw	1.50	Green Onion Seed	22.00 Lb	13.92 Lb		Tractor Other
9	Sep	1.0	Apply Herbicide/Groun	50	Directed Spray Rig, 8	4.00	DCPA	6.00 Lb	5.05 Lb		Tractor
10	Sep	1.0	Buck Rows	50	Rowbuck, 10'						Tractor
11	Sep	6.0	Irrigate			1.00	Water, District	7.00 AI	0.00 AF		Irrigator
12	Sep	4.0	Disk Ends	50	Offset Disk, 8'						Tractor
13	Sep	2.0	Apply Insect./Ground	50	Directed Spray Rig, 8	5.00	Methomyl Methyl Parathion	1.50 Pt 1.00 Pt	42.68 Ga 28.93 Ga		Tractor
14	Oct	2.0	Cultivate	50	Cultivator, Sweep, 3 Rw	1.50					Tractor
15	Oct	1.0	Hand Weeding		CST Hand Weeding					75.00 Ac	
16	Oct	1.0	Apply Fert/Ground	50	Fert. Side Dress Unit,	2.00	33-00-00, Amm. Nit	375.00 Lb	241.00 Tn		Tractor
17	Nov	1.0	Irrigate/Run Fertiliz			0.83	Water, District 32-00-00, URAN 32,	3.00 AI 6.00 Ga	0.00 AF 187.50 Tn		Irrigator
18	Dec	1.0	Prepare Ends	50	Offset Disk, 8'						Tractor
19	Dec	1.0	Harvest, Load & Haul		CST Harvest Green Onion		Waxed Cartons	995.00 Ct	1.20 Ct	5.00 Ct	
20	Jan	1.0	Disk Residue Pickup Use	70 30 Mi/Ac	Offset Disk, 8' Pickup Truck, 1/2 Ton	2.00 1.00					Tractor

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