

COUNTY: Maricopa FARM: Maricopa Vegetables WATER SOURCE: SRP TILLAGE: Double Crop
 CROP: Spinach ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Salt River Project YIELD: 480.0 Ct/Acre PREVIOUS CROP: Mixed Greens DATE: 08/20/95

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Spinach	Crtn	480.00	\$5.9800	\$2,870.40	\$2,870.40	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					134.43	_____
Tractor/Self Propelled				69.10		_____
Irrigation				58.80		_____
Other/Contract				6.54		_____
Chemicals & Custom Applications					147.78	_____
Fertilizers				125.90		_____
Insecticides				21.88		_____
Farm Machinery and Vehicles					40.19	_____
Diesel Fuel				14.69		_____
Repairs & Maint.				25.50		_____
Irrigation Water (excluding labor)					9.96	_____
Water Assessment (See Note Below) **					**	_____
Other Purchased Inputs & Services					252.87	_____
Seed/Transplants				174.87		_____
Other Services & Rentals				78.00		_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					585.22	_____
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					1,560.00	_____
Other Materials					604.80	_____
TOTAL HARVEST AND POST HARVEST EXPENSE					2,165.51	_____
OPERATING OVERHEAD->PICKUP USE						
					6.91	_____
OPERATING INTEREST AT 9.0%						
					7.87	_____
					=====	=====
TOTAL CASH OPERATING EXPENSES					\$2,765.51	_____
RETURNS OVER CASH OPERATING EXPENSES					\$104.89	_____

Notes: The above figures do not include ownership costs, see Table 7B on Next Page for detailed cost allocation.
 ** A water assessment charge of \$10.18/Acre is included in the ownership costs of Table 7B.

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Item	-- CASH COST BASIS (\$/ACRE) -		- TOTAL COST BASIS (\$/ACRE) -	
	Income & Costs	Net Returns	Income & Costs	Net Returns
TOTAL INCOME at \$ 5.9800/Ct	\$2,870.40		\$2,870.40	
TOTAL OPERATING EXPENSES	2,765.50		2,765.50	
RETURN OVER CASH OPERATING EXPENSES		\$104.89		\$104.89
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	5.04		5.04	
Gen. & Off. Overhead (5% of Tot. Oper. Exp.)	138.27		138.27	
General Farm Maint. (3% of Tot. Oper. Exp.)	82.97		82.97	
Total Cash Overhead Expenses	226.28		226.28	
Total Cash Oper. & Over. Cost	2,991.79		2,991.79	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		(121.39)		(121.39)
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			27.62	
Interest on Equity, Machinery & Vehicles			12.62	
Total Capital Allocations			40.23	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK		(121.39)		
RETURNS TO LAND, MANAGEMENT & RISK				(161.63)
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		(331.57)		
RETURNS TO MANAGEMENT & RISK				(371.81)
Management Services (8% of Tot. Oper. Exp.)			221.24	
TOTAL OWNERSHIP COST	436.46		697.94	
TOTAL COST	\$3,201.97		\$3,463.45	
RETURN TO MANAGEMENT, CAPITAL & RISK		(\$331.57)		
RETURN TO RISK (PROFITS)				(\$593.05)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Ct)		\$5.76		\$5.76
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.90		\$1.45
BREAK-EVEN PRICE TO COVER TOTAL COST		\$6.67		\$7.21

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No.	Month	First Operation	Hours		Operating Costs (\$/Acre*)				Times	Tot. Cash Expense	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials				Total
1	Aug	Plow	0.900	1.000	7.02	9.80			16.82	1.0	16.82	L
2	Aug	Disk	0.600	0.667	3.58	6.54			10.12	3.0	30.35	L
3	Aug	Laser Level	0.450	0.500	4.96	4.90			9.86	0.5	4.93	L
4	Aug	Soil Fertility					3.00		3.00	1.0	3.00	G
5	Aug	Apply Fert/Ground	0.090	0.100	0.63	0.98		46.81	48.42	2.0	96.85	G
6	Sep	List	0.300	0.333	1.96	3.26			5.22	1.0	5.22	L
7	Sep	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		174.87	191.54	1.0	191.54	L
9	Sep	Buck Rows	0.045	0.050	0.16	0.49			0.65	4.0	2.62	G
10	Sep	Irrigate		1.000		9.80		1.66	11.46	6.0	68.76	G
11	Sep	Disk Ends	0.045	0.050	0.24	0.49			0.73	4.0	2.93	G
12	Oct	Apply Insect./Ground	0.090	0.100	0.41	0.98		8.40	9.79	1.0	9.79	G
13	Oct	Cultivate	0.600	0.667	2.51	6.54			9.05	1.0	9.05	G
14	Oct	Apply Fert/Ground	0.450	0.500	3.16	4.90		32.29	40.35	1.0	40.35	G
15	Oct	Apply Insect./Ground	0.090	0.100	0.41	0.98		13.48	14.87	1.0	14.87	G
16	Oct	Hand Weeding					75.00		75.00	1.0	75.00	G
17	Nov	Prepare Ends	0.045	0.050	0.22	0.49			0.71	1.0	0.71	H
18	Nov	Harvest, Load & 480.0 Ct					1,560.00	604.80	2,164.80	1.0	2,164.80	H
19	Dec	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		6.90	O
		Operating Interest at 9.00%					7.86		7.86		7.86	O
TOTAL CASH OPERATING EXPENSES:					\$47.31	\$134.94	\$1,645.86	\$937.42			\$2,765.53	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 7B.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF NET REVENUES OVER TOTAL CASH EXPENSES (\$/Acre)							
		Prices ->		-25%	-10%	Budgeted	+10%	+25%	
Land Preparation (L)	\$262.04								
Growing (G)	323.21								
Harvest (H)	2,165.50	Yields		\$4.48	\$5.38	\$5.98	\$6.57	\$7.47 Break-even	
Post Harvest (P)	0.00								
Marketing (M)	0.00	-25%	360.0	-609.55	-286.63	-71.35	143.92	466.84	6.17
Operating Overhead (O)	14.76	-10%	432.0	-611.45	-223.95	34.38	292.71	680.22	5.90
		Budgeted	480.0	-612.72	-182.16	104.87	391.91	822.47	5.76
Total (T)	\$2,765.52	+10%	528.0	-614.00	-140.38	175.36	491.10	964.72	5.64
		+25%	600.0	-615.90	-77.70	281.09	639.89	1,178.09	5.51
		Break-even Yield		**,***,**	689.26	408.58	290.35	202.46	

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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
AUG C			3.35		20.86	32.84	46.81		3.00	103.51
SEP C	2.0	12.0	4.30		9.34	42.14	46.81	174.87		273.15
OCT C	3.0	18.0	4.56	4.98	7.31	44.75	54.17		75.00	186.21
NOV C	1.0	6.0	1.05	5.00	0.22	10.29		604.80	1,560.00	2,180.31
DEC C			0.50		2.68	4.90				7.58
Pickup Use	30 Mi/Ac				6.90					6.90
Operating Interest at 9.0%									7.82	7.82
Water Assessment				**						
Total	6.0	36.0	13.76	9.98	47.31	134.92	147.79	779.67	1,645.82	2,765.49
%				0.36	1.71	4.87	5.34	28.19	59.51	100.00
TOTAL RESOURCES REQUIREMENTS(/Acre)			TOTAL ENERGY REQUIREMENTS(/Acre)							
Total N	156.0 lbs		Diesel Fuel		21.6	Gal				
Total P	150.0 lbs		Regular Gas		0.0	Gal				
Total K	0.0 lbs		NonLead Gas		3.0	Gal				
Total Labor	13.7 Hrs		All Direct Energy		3.3	M BTU				
Total Water	36.0 AI									
EQUIPMENT REQUIREMENTS(/Acre)										
Tractor, 70 PTO HP, MFWD	4.35 Hrs		Moldboard Plow, 3-16 2 Way		0.90 Hrs	Offset Disk, 8'		2.30 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		0.18 Hrs	Fertilizer Broadcaster, Towed		0.18 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		Tractor, 50 PTO HP, MFWD		1.64 Hrs	Rowbuck, 10'		0.18 Hrs		
Offset Disk, 10.5'	0.18 Hrs		Directed Spray Rig, 8 Row		0.18 Hrs	Cultivator, Sweep, 3 Rw		0.60 Hrs		
Fert. Side Dress Unit, 4Row	0.45 Hrs		Pickup Truck, 1/2 Ton		1.00 Hrs					
MATERIALS REQUIREMENTS(/Acre)										
16-20-00, Dry	750.00 Lb		Spinach Seed (Hyb)		22.00 Lb	Water, District		36.00 AI		
Methomyl	1.50 Pt		15-00-00, Cal. Nit.		240.00 Lb	Permethrin		10.00 Oz		
Endosulfan	1.00 Pt		Waxed Cartons		480.00 Ct					
LABOR REQUIREMENTS(/Acre)										
Tractor	7.10 Hrs		Other		0.67 Hrs	Irrigators		6.00 Hrs		

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

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No.	Month	First Times	Operation	Equipment/Custom Oper. HP Self-Prop./Implem.	Job Rate Acres/Hr	----- Material Use & Cost Name Appl. Rate	----- \$/Unit	Service Cost \$/Unit	Labor Type
1	Aug	1.0	Plow	70 Moldboard Plow, 3-16 2	1.00				Tractor
2	Aug	3.0	Disk	70 Offset Disk, 8'	1.50				Tractor
3	Aug	0.5	Laser Level	150 Drag Scraper, 14' Laser Receiver, Mast Sy Laser Trailer	2.00				Tractor
4	Aug	1.0	Soil Fertility	CST Soil Analysis (Surf				3.00 Ac	
5	Aug	2.0	Apply Fert/Ground	100 Fertilizer Broadcaster,	10.00	16-20-00, Dry	375.00 Lb	237.75 Tn	Tractor
6	Sep	1.0	List	70 Lister, 5 Bottom	3.00				Tractor
7	Sep	1.0	Mulch	70 Power Mulcher, 4 Rw	3.00				Tractor
8	Sep	1.0	Plant	70 Planter, Planet Jr, 4 U Bed Shaper, 4 Rw	1.50	Spinach Seed (Hyb)	22.00 Lb	7.57 Lb	Tractor Other
9	Sep	4.0	Buck Rows	50 Rowbuck, 10'	20.00				Tractor
10	Sep	6.0	Irrigate		1.00	Water, District	6.00 AI	0.00 AF	Irrigator
11	Sep	4.0	Disk Ends	50 Offset Disk, 10.5'	20.00				Tractor
12	Oct	1.0	Apply Insect./Ground	50 Directed Spray Rig, 8	10.00	Methomyl	1.50 Pt	42.68 Ga	Tractor
13	Oct	1.0	Cultivate	50 Cultivator, Sweep, 3 Rw	1.50				Tractor
14	Oct	1.0	Apply Fert/Ground	50 Fert. Side Dress Unit,	2.00	15-00-00, Cal. Nit	240.00 Lb	256.25 Tn	Tractor
15	Oct	1.0	Apply Insect./Ground	50 Directed Spray Rig, 8	10.00	Permethrin Endosulfan	10.00 Oz 1.00 Pt	106.75 Ga 35.94 Ga	Tractor
16	Oct	1.0	Hand Weeding	CST Hand Weeding				75.00 Ac	
17	Nov	1.0	Prepare Ends	50 Offset Disk, 8'	20.00				Tractor
18	Nov	1.0	Harvest, Load & Haul	CST Harvest Spinach		Waxed Cartons	480.00 Ct	1.20 Ct	3.25 Ct
19	Dec	1.0	Disk Residue	70 Offset Disk, 8'	2.00				Tractor
			Pickup Use	30 Mi/Ac Pickup Truck, 1/2 Ton	1.00				

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

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