COUNTY: Maricopa CROP: Carrots AREA: Salt River Project FARM: Maricopa Veg 98 ACRES: YIELD:

1.0 915.0 Ct / Acre WATER SOURCE: Salt River Project IRRIGATION SYSTEM: Flood Furrow PREVIOUS CROP: Wheat, Winter

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

	Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME	Carrots	Crtn	915.00	\$3.33	\$3,046.95	\$3,046.95	
Paid Labo Tracto Irrigati	r (including benefits) r/Self Propelled	GROWING EXPENSES (inc	cluding sales tax)		46.93 68.46 18.52	133.92	
Fertiliz Herbio		ons			68.53 66.32 97.46	232.30	
Diesel	hinery and Vehicles Fuel rs and Maintenance				21.26 30.66	51.92	
	Vater (excluding labor) essment (See Note Be					45.75	
Seed/	chased Inputs & Transplants Services and Rentals	TOTAL CASH LAND PRE	DADATION AND CROSS	VINC EVDENICES	46.53 3.00	49.53	
CASH HARVI	EST AND POST HAR\		PAKATION AND GROW	ING EXPENSES		513.42	
	r (including benefits) r/Self Propelled				0.24	0.24	
Diesel	hinery and Vehicles Fuel s and Maintenance				0.08 0.12	0.20	
Custom Ha Other Mate	arvest/Post Harvest erials					1079.70 919.23	
		TOTAL HARVEST AND P	OST HARVEST EXPEN	SE		1999.38	
OPERATING OPERATING	OVERHEAD PICKI INTEREST AT 10.0%	JP USE				12.74 31.47	
		TOTAL CASH OPERATIN RETURNS OVER CASH		ES		\$2,557.00 \$489.95	

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 FARM: Maricopa Veg 98 WATER SOURCE: Salt River Project TILLAGE: Double Crop ACRES: YIELD: CROP: Carrots 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam 915.0 Ct / Acre PREVIOUS CROP: 12/10/98 AREA: Salt River Project Wheat, Winter DATE:

ltem	CASH COST BASI Income and Costs	S (\$/ACRE) Net Returns	TOTAL COST BAS Income and Costs	SIS (\$/ACRE) Net Returns
TOTAL INCOME at \$3.33 / Ct TOTAL OPERATING EXPENSES RETURN OVER CASH OPERATING EXPENSES	\$3,046.95 \$2,557.00	\$489.95	\$3,046.95 \$2,557.00	\$489.95
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.)	5.42 127.85 76.71		5.42 127.85 76.71	
Total Cash Overhead Expenses	209.98		209.98	
Total Cash Operating and Overhead Cost RETURNS OVER CASH OPER. AND OVER. EXPENSES	2,766.98	\$279.97	2,766.98	\$279.97
CAPITAL ALLOCATIONS (100% Equity) Capital Replacement, Machinery and Vehicles Interest on Equity, Machinery and Vehicles			29.93 13.33	
Total Capital Allocations RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK - RETURNS TO LAND, MANAGEMENT AND RISK			43.27	\$236.70
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	16.99 >	\$262.98	35.56	\$201.14
Management Services (8% of Total Operation Expenses)			204.56	
TOTAL OWNERSHIP COST	226.97		493.37	
TOTAL COST	\$2.783.97		\$3,050.37	
RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO RISK (PROFITS)	>	\$262.98 		(\$3.42)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb) BREAK-EVEN PRICE TO COVER OWNERSHIP COST BREAK-EVEN PRICE TO COVER TOTAL COST		\$2.79 \$0.25 \$3.04		\$2.79 \$0.54 \$3.33

COUNTY:Maricopa FARM: Maricopa Veg 98 WATER SOURCE: Salt River Project TILLAGE: Double Crop CROP: Carrots ACRES: IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam 1.0 YIELD: 12/10/98 AREA: Salt River Project 915.0 Ct / Acre PREVIOUS CROP: Wheat, Winter DATE:

First Hours * Operating Costs (\$/ACRE *) Per Operation Tot. Cash												
No.	Month	Operation	Machine	Labor	Fuel/Rps.	Labor C	ust/Serv.	Materials	Total	Times	Expense	Class
1	Jul	Rip	0.450	0.500	7.11	4.87			11.98	0.5	5.99	L
2	Jul	Plow	0.450	0.500	6.51	4.87			11.38	1.0	11.38	L
3	Jul	Disk	0.225	0.250	3.43	2.44			5.87	3.0	17.60	L
4	Jul	Laser Level	0.450	0.500	5.55	4.87			10.42	0.5	5.21	L
5	Aug	Soil Fertility					3.00		3.00	1.0	3.00	G
6	Aug	Apply Fert/Ground	0.112	0.125	1.13	1.22		38.18	40.52	1.0	40.52	G
7	Aug	List/Inject	0.225	0.250	3.51	2.44		97.46	103.40	1.0	103.40	L
8	Aug	Plant	0.450	1.000	3.39	9.75		46.53	59.66	1.0	59.66	L
9	Aug	Set Sprinklers	0.158	0.350	0.90	3.41			4.31	1.0	4.31	G
10	Aug	Irrigate/Sprinkler		0.091		0.89			0.89	3.0	2.66	G
11	Aug	Remove Sprinklers	0.158	0.350	0.90	3.41			4.31	1.0	4.31	G
12	Aug	Apply Herbicide/Ground	0.090	0.100	0.77	0.97		66.32	68.06	1.0	68.06	G
13	Aug	Buck Rows	0.045	0.050	0.34	0.49			0.83	4.0	3.30	G
14	Aug	Irrigate		0.800		7.80		5.72	13.52	8.0	108.14	G
15	Aug	Disk Ends	0.045	0.050	0.41	0.49			0.90	3.0	2.70	G
16	Aug	Cultivate	0.225	0.250	1.90	2.44			4.34	4.0	17.37	G
17	Oct	Apply Fert/Ground	0.257	0.286	3.47	2.79		15.18	21.43	2.0	42.87	G
18	Nov	Prepare Ends	0.023	0.025	0.21	0.24			0.45	1.0	0.45	Н
19	Nov	Harvest 915 Ct					915.00	919.23	1834.23	1.0	1834.23	Н
20	Nov	Haul, Custom 915 Ct					164.70		164.70	1.0	164.70	Н
21	Dec	Disk Residue 915 Ct	0.150	0.167	2.29	1.63			3.91	1.0	3.91	L
		Pickup Use50 Mi/Acre	1.667		12.74						12.74	
		Operating Interest at 10.0					31.47				31.47	
TOT	AL CASH	OPERATING EXPENSES	(includes a	Il times over): 70.91	128.11	1114.17	1243.81			2557.00	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 SUMMAR	Y BY CLASS	SENSITIVITY OF THE NET REVENUES OVER TOTAL CASH EXPENSES (\$/ACRE)								
Land Preparation (L)	211.67	Prices		- 25%	- 10%	Budgeted	+ 10%	+ 25%		
Growing (G) Harvest (H)	301.74 1,999.38	Yields		\$2.50	\$3.00	\$3.33	\$3.66	\$4.16	Break-even Price	
Post Harvest (P)	0.00	- 25%	686.3	-333.93	8.85	237.37	465.89	808.67	2.98	
Marketing (M)	0.00	- 10%	823.5	-291.06	120.28	394.51	668.73	1,080.07	2.85	
Operating Overhead (O)	44.21	Budgeted	915.0	-262.47	194.57	499.26	803.96	1,261.00	2.78	
Total (T)	\$2,557.00	+ 10%	1,006.5	-233.89	268.86	604.02	939.18	1,441.93	2.73	
		Break-even	Yield	1,755.23	675.35	478.92	371.01	277.29		

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FARM: Maricopa Veg 98 COUNTY:Maricopa WATER SOURCE: Salt River Project TILLAGE: Double Crop CROP: Carrots ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam YIELD: 915.0 Ct / Acre PREVIOUS CROP: 12/10/98 AREA: Salt River Project Wheat, Winter DATE:

	1.50									
Month *						Labor	Chemicals		Services	Total
C			1.50		22.04	26.26				40.27
	5.0	27.0		2.50			200.44	16.53	3.00	
							209.44	40.55	3.00	
							15.18			
NOV C								919.23	1079.70	
DEC C			0.17			1.63				3.87
Pickup Uses	50 Mi/Acre			1	12.74					
		1							31.47	31.47
Water Asses	ssment			**						
Total	11.0	63.0	13.76	38.25						
%				1.50	2.77	5.01	9.38	38.38	43.57	100.00
TOTAL RES	OURCE REC	UIREMENT	S (per Acre)	TOTAL ENER	RGY REQUIRE	MENTS (per /	Acre)			
Total N		154.2		Diesel Fu	el	26.4 Ga	ıl			
Total P				Unleaded	l Gas					
				All Direct	Energy	4.3 M I	BTU			
Total Wate	er	63.0								
	- DEQUIDEN									
				Cultivator Curon	4 D	00 11-	Drog Coro	11	0.00 11-	
	,		-				,		0.22 Hr	
Tractor, 6	60 PTÓ HP	0.	.32 Hr	Tractor, 80 PTO H	P 1	.78 Hr	Tractor, 1	00 PTO HP	0.85 Hr	
		1.	.50 Hr			.22 Hr				
MATERIAL	, DEOLUDE: "		`							
		\ I	,	22 00 00 LIBAN 2) lad 00	00.00	Poyoo º C	Cupplica	015 00 04	
								supplies		
				Dictilotopropene	9	.00 G a	Liliulofi		1.00 Ga	
JUL C AUG C 5.0 27.0 5.70 2.50 22.12 64.57 209.44 46.53 3.00 348.16 SEP C 2.0 12.0 2.05 10.00 2.59 11.21 23.80 OCT C 2.0 12.0 12.0 1.91 15.75 3.61 10.83 15.18 919.23 1079.70 2044.30 DEC C 0.17 12.74 12.77 12.77 12.81 12.8.11 12.99.80 965.76 11114.17 2557.00 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1										
irrigators		7.	.U2 Hr	Otner	1	.90 Hr	ractor		4.84 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.

FARM: Maricopa Veg 98 COUNTY:Maricopa WATER SOURCE: Salt River Project TILLAGE: Double Crop CROP: Carrots ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam YIELD: 915.0 Ct / Acre PREVIOUS CROP: 12/10/98 AREA: Salt River Project Wheat, Winter DATE:

First No.MonthTimes		Equipment/ Custom Oper Times Operation HP Self-Prop./ Implement		Job Rate Material Use and Cost Acres/Hr Name Appl. Rate \$ / Unit						Service Cost Labor t \$ / Unit Type		
- 110	7.10111111	1103	Орегипон	in centrop, implement	Adiconii	Nume	- Друг	Ital	ιο ψ/ Οι		Ψ7 OIIIC	Турс
1	Jul	0.5 Rip		175 Subsoiler, Heavy Duty, 7	2.00							Tractor
2	Jul	1.0 Plow		150 Moldboard Plow, 4-16 2	2.00							Tractor
3	Jul	3.0 Disk		150 Offset Disk, 16.5'	4.00							Tractor
4	Jul	0.5 Lase	Level	150 Drag Scraper, 14' Laser, Complete System	2.00							Tractor
5	Aug	1.0 Soil F	ertility	CST Soil Analysis (Surface)							3.00 Ac	
6	Aug	1.0 Apply	Fert/Ground	100 Fertilizer Broadcaster,	8.00	16-20-00, Dry	300.00	Lb	240.67	Tn		Tractor
7	Aug	1.0 List/Ir	nject	100 Lister, 5 Bottom Fertilizer Injector, 4 Row	4.00	Dichloropropene	9.00	Ga	10.24	Ga		Tractor
8	Aug	1.0 Plant		80 Bed Shaper, 4 Rw	2.00	Carrot Seed	200.00	Th	0.22	Th		Tractor Other
9	Aug	1.0 Set S	prinklers	60 Sprinkler Trailer	5.70							Irrigators Other
10	Aug	3.0 Irriga	te/Sprinkler		11.00	Water, District	5.00	ΑI	0.00	ΑF		Irrigators
11	Aug	1.0 Remo	ove Sprinklers	60 Sprinkler Trailer	5.70							Irrigators Other
12	Aug	1.0 Apply	Herbicide/Grour	nd80 Saddle Tk Sprayer, 2 Tk 8	10.00	Linuron	1.00	Ga	62.71	Ga		Tractor
13	Aug	4.0 Buck	Rows	80 Rowbuck, 10'	20.00							Tractor
14	Aug	8.0 Irriga				Water, District	6.00	ΑI	11.44	ΑF		Irrigators
15	Aug	3.0 Disk	Ends	80 Offset Disk, 10.5'	20.00							Tractor
16	Aug	4.0 Cultiv		80 Cultivator, Sweep, 4 Rw	4.00							Tractor
17	Oct	2.0 Apply	Fert/Ground	100 Fertilizer Injector, 4 Row	3.50	32-00-00, URAN 32,	15.00	Ga	173.00	Tn		Tractor
18	Nov	1.0 Prepa	are Ends	80 Offset Disk, 10.5'	40.00							Tractor
19	Nov	1.0 Harve	est	CST Harvest Carrots		Boxes & Supplies	915.00	Ct	0.95	Ct	1.00 Ct	
20	Nov	1.0 Haul,	Custom	CST Haul Carrots							0.18 Ct	
21	Dec	1.0 Disk	Residue	150 Offset Disk, 16.5'	6.00							Tractor
		Picku	p use 50 Mi/Ac	Pickup Truck, 1/2 Ton	0.60							

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

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