

Table 5A. Income and Cash Operating Summary; Cauliflower (Transplant), 2001

COUNTY: Maricopa FARM: Maricopa Veg WATER SOURCE: Roosevelt Irrigation TILLAGE: Double Crop
 CROP: Cauliflower ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Roosevelt ID YIELD: 816.0 Ct / Acre PREVIOUS CROP: Pimento DATE: 9/11/01

Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Cauliflower	Crtm	816.00	\$7.74	\$6,315.84	\$6,315.84	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					189.02	_____
Tractor/Self Propelled					52.54	_____
Irrigation					77.99	_____
Other/ Contract					58.49	_____
Chemicals and Custom Applications					416.80	_____
Fertilizer					123.71	_____
Insecticide					289.80	_____
Herbicide					3.30	_____
Farm Machinery and Vehicles					45.52	_____
Diesel Fuel					17.75	_____
Repairs and Maintenance					27.77	_____
Irrigation Water (excluding labor)					66.67	_____
Water Assessment (See Note Below) **						_____
Other Purchased Inputs &					387.17	_____
Seed/Transplants					309.17	_____
Other Services and Rentals					78.00	_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					1105.19	_____
CASH HARVEST AND POST HARVEST EXPENSES						
Custom Harvest/Post Harvest					2856.00	_____
Other Materials					470.12	_____
TOTAL HARVEST AND POST HARVEST EXPENSE					3326.12	_____
OPERATING OVERHEAD -> PICKUP USE					10.17	_____
OPERATING INTEREST AT 10.0%					14.64	_____
TOTAL CASH OPERATING EXPENSES					\$4,456.12	_____
RETURNS OVER CASH OPERATING EXPENSES					\$1,859.72	_____

Notes: The above figures do not include ownership costs, see table B for detailed cost allocation.

** A water assessment charge of \$7.50 per Acre is included as an ownership cost in Table B.

Table 5B. Allocations of Ownership Costs; Cauliflower (Transplant), 2001

COUNTY: Maricopa FARM: Maricopa Veg WATER SOURCE: Roosevelt Irrigation TILLAGE: Double Crop
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 AREA: Roosevelt ID YIELD: 816.0 Ct / Acre PREVIOUS CROP: Pimento DATE: 9/11/01

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Item	-- CASH COST BASIS (\$/ACRE) --		-- TOTAL COST BASIS (\$/ACRE) --	
	Income and Costs	Net Returns	Income and Costs	Net Returns
TOTAL INCOME at \$7.74 / Ct	\$6,315.84		\$6,315.84	
TOTAL OPERATING EXPENSES	\$4,456.12		\$4,456.12	
RETURN OVER CASH OPERATING EXPENSES		\$1,859.72		\$1,859.72
CASH OVERHEAD EXPENSES				
Taxes, Housing and Insurance, Farm Machinery	5.28		5.28	
General and Office Overhead (5.0% of Total Operating Exp.)	222.81		222.81	
General Farm Maintenance (3.0% of Total Operating Exp.)	133.68		133.68	
Total Cash Overhead Expenses	361.77		361.77	
Total Cash Operating and Overhead Cost	4,817.89		4,817.89	
RETURNS OVER CASH OPER. AND OVER. EXPENSES		\$1,497.95		\$1,497.95
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery and Vehicles			29.00	
Interest on Equity, Machinery and Vehicles			13.88	
Total Capital Allocations			42.87	
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK ----->		\$1,497.95		
RETURNS TO LAND, MANAGEMENT AND RISK ----->				\$1,455.08
Land Cost / Rent or Lease	200.00		200.00	
Water Assessment **	7.50		7.50	
Total Land Costs	207.50		207.50	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$1,290.45		
RETURNS TO MANAGEMENT AND RISK ----->				\$1,247.58
Management Services (8% of Total Operation Expenses)			356.49	
TOTAL OWNERSHIP COST	569.27		968.63	
TOTAL COST	\$5,025.39		\$5,424.75	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$1,290.45		
RETURNS TO RISK (PROFITS) ----->				\$891.09
Item	-- CASH COST BASIS (\$/ACRE) --		-- TOTAL COST BASIS (\$/ACRE) --	
	Income and Costs	Net Returns	Income and Costs	Net Returns
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)		\$5.46		\$5.46
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.70		\$1.19
BREAK-EVEN PRICE TO COVER TOTAL COST		\$6.16		\$6.65

Table 5C. Variable Operating Costs; Cauliflower (Transplant), 2001

COUNTY: Maricopa FARM: Maricopa Veg WATER SOURCE: Roosevelt Irrigation TILLAGE: Double Crop
 CROP: Cauliflower ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Roosevelt ID YIELD: 816.0 Ct / Acre PREVIOUS CROP: Pimento DATE: 9/11/01

No.	First Month	Operation	---- Hours * ----		---- Operating Costs (\$/ACRE *) Per Operation ----					Tot. Cash Expenses	Class		
			Machine	Labor	Fuel/Rps.	Labor	Cust/Serv.	Materials	Total			Times	
1	Aug	Rip	0.450	0.500	5.71	4.87			10.59	0.5	5.30	L	
2	Aug	Plow	0.180	0.200	2.85	1.95			4.80	1.0	4.80	L	
3	Aug	Disk	0.090	0.100	1.37	0.97			2.35	3.0	7.05	L	
4	Aug	Laser Level	0.450	0.500	5.54	4.87			10.42	0.5	5.21	L	
5	Aug	Apply Fert/Ground	0.015	0.017	0.17	0.16		57.78	58.11	1.0	58.11	G	
6	Aug	List	0.225	0.250	2.02	2.44			4.46	1.0	4.46	L	
7	Aug	Soil Fertility					3.00		3.00	1.0	3.00	G	
8	Aug	Apply Herbicide/Ground	0.225	0.250	1.15	2.44		81.04	84.63	1.0	84.63	G	
9	Aug	Mulch	0.225	0.250	3.53	2.44			5.97	1.0	5.97	L	
10	Sep	Transplant	0.900	2.000	8.63	19.50		309.17	337.30	1.0	337.30	L	
11	Sep	Buck Rows	0.022	0.025	0.09	0.24			0.34	1.0	0.34	G	
12	Sep	Irrigate		0.800		7.80		6.67	14.47	10.0	144.70	G	
13	Sep	Cultivate	0.300	0.333	1.99	3.25			5.24	3.0	15.71	G	
14	Sep	Apply Fert/Inject	0.300	0.333	2.99	3.25		32.96	39.20	2.0	78.40	G	
15	Sep	Hand Weeding					75.00		75.00	1.0	75.00	G	
16	Sep	Apply Insect/Ground	0.180	0.200	0.96	1.95		37.91	40.82	4.0	163.28	G	
17	Sep	Apply Insect/Ground	0.015	0.017	0.09	0.16		30.21	30.46	2.0	60.91	G	
18	Nov	Harvest 816 Ct						2652.00	470.12	3122.12	1.0	3122.12	H
19	Nov	Haul, Custom 816 Ct						204.00		204.00	1.0	204.00	H
20	Jan	Disk Residue 816 Ct	0.090	0.100	1.37	0.97			2.35	1.0	2.35	L	
		Pickup Use 40 Mi/Acre	1.333		10.17						10.17		
		Operating Interest at 10.0						14.64			14.64		
TOTAL CASH OPERATING EXPENSES (includes all times over):											4456.12	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 \$7.50 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF THE NET REVENUES OVER TOTAL CASH EXPENSES (\$/ACRE)							
		Prices ->	- 25%	- 10%	Budgeted	+ 10%	+ 25%		
Land Preparation (L)	372.41	Yields	\$5.80	\$6.97	\$7.74	\$8.51	\$9.67	Break-even Price	
Growing (G)	732.78								
Harvest (H)	3,326.12								
Post Harvest (P)	0.00	- 25%	612.0	-8.54	701.99	1,175.68	1,649.36	2,359.90	5.82
Marketing (M)	0.00	- 10%	734.4	203.07	1,055.71	1,624.13	2,192.56	3,045.20	5.53
Operating Overhead (O)	24.81	Budgeted	816.0	344.14	1,291.52	1,923.10	2,554.69	3,502.06	5.38
		+ 10%	897.6	485.22	1,527.33	2,222.08	2,916.82	3,958.93	5.26
Total (T)	\$4,465.12	+ 25%	1,020.0	696.83	1,881.05	2,670.53	3,460.01	4,644.23	5.12
		Break-even Yield		616.94	369.09	291.12	240.34	190.51	

Table 5D. Resource and Cash Flow Requirements; Cauliflower (Transplant), 2001

COUNTY: Maricopa FARM: Maricopa Veg WATER SOURCE: Roosevelt Irrigation TILLAGE: Double Crop
 CROP: Cauliflower ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Roosevelt ID YIELD: 816.0 Ct / Acre PREVIOUS CROP: Pimento DATE: 9/11/01

Month *	Number Irrigations	Water Applied (inches)	Total Labor (Hrs)	Operating Costs (\$/ACRE *)						
				Purchased Water	Fuel, Oil and Repairs	Labor	Chemicals	Other Purchases	Services	Total
AUG C			1.77		19.46	17.22	138.83		3.00	178.51
SEP C	4.0	16.0	11.64	26.67	17.70	113.48	138.99	309.17	75.00	681.01
OCT C	3.0	12.0	3.47	20.00	6.90	33.79	108.78			169.47
NOV C	2.0	8.0	1.62	13.33	0.09	15.76	30.21	470.12	2856.00	3385.51
DEC C	1.0	4.0	0.80	6.67		7.80				14.47
JAN N			0.10		1.37	0.97				2.34
Pickup Use 40 Mi/Acre					10.17					10.17
Operating Interest at 10.0									14.64	14.64
Water Assessment				**						
Total	10.0	40.0	19.39	66.67	55.69	189.02	416.81	779.29	2948.64	4456.12
%				1.50	1.25	4.24	9.35	17.49	66.17	100.00

TOTAL RESOURCE REQUIREMENTS (per Acre)	TOTAL ENERGY REQUIREMENTS (per Acre)
Total N 196.5	Diesel Fuel 20.9 Gal
Total P 208.0	Unleaded Gas 4.0 Gal
Total Labor 19.4	All Direct Energy 3.4 M BTU
Total Water 40.0	

EQUIPMENT REQUIREMENTS (per Acre)			
Bed Shaper, 4 Rw 0.22 Hr	Cultivator, Sweep, 4 Rw 0.90 Hr	Directed Spray Rig, 8 0.22 Hr	
Drag Scraper, 14' 0.22 Hr	Fertilizer Injector, 4 Row 0.60 Hr	Fertilizer Spreader, 28' 0.01 Hr	
High Clearance Sprayer, 0.03 Hr	Laser, Complete System 0.22 Hr	Lister, 5 Bottom 0.22 Hr	
Moldboard Plow, 5-16 2 0.18 Hr	Offset Disk, 16.5' 0.36 Hr	Pickup Truck, 1/2 Ton 1.33 Hr	
Power Mulcher, 6 Rw 0.22 Hr	Rowbuck, 10' 0.02 Hr	Saddle Tk Sprayer, 2 Tk 8 0.72 Hr	
Tractor, 50 PTO HP, 0.97 Hr	Tractor, 60 PTO HP 0.01 Hr	Tractor, 70 PTO HP, 1.80 Hr	
Tractor, 80 PTO HP, 0.60 Hr	Tractor, 100 PTO HP, 0.22 Hr	Tractor, 125 PTO HP, 0.22 Hr	
Tractor, 150 PTO HP, 0.99 Hr	Transplanter, Veg, 4Row 0.90 Hr	V-Ripper, 5 Shnk 0.22 Hr	

MATERIALS REQUIREMENT (per Acre)			
11-52-00, Dry 400.00 Lb	33-00-00, Amm. Nitrate, 44.00 Ga	Boxes for Cauliflower 563.00 Ct	
Cauliflower Trans 9.00 Th	Cypermethrin 20.00 Oz	Imidacloprid 16.00 Oz	
Methomyl 16.00 Pt	Spinosad 12.00 Oz	Trifluralin 1.00 Pt	
Water, District 40.00 Al			

LABOR REQUIREMENT (per Acre)			
Irrigators 8.00 Hr	Other 6.00 Hr	Tractor 5.39 Hr	

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

** A water assessment charge of \$7.50 per Acre is included as an ownership cost in Table B.

Table 5E. Schedule of Operations; Cauliflower (Transplant), 2001

COUNTY: Maricopa FARM: Maricopa Veg WATER SOURCE: Roosevelt Irrigation TILLAGE: Double Crop
 CROP: Cauliflower ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Roosevelt ID YIELD: 816.0 Ct / Acre PREVIOUS CROP: Pimento DATE: 9/11/01

First No. Month Times	Operation	Equipment/ Custom Oper HP Self-Prop./ Implement	Job Rate Acre/Hr	----- Material Use and Cost Name	----- Appl. Rate \$ / Unit	----- Service Cost \$ / Unit	Labor Type
Aug	0.5 Rip	150 V-Ripper, 5 Shnk	2.00				Tractor
Aug	1.0 Plow	150 Moldboard Plow, 5-16 2	5.00				Tractor
Aug	3.0 Disk	150 Offset Disk, 16.5'	10.00				Tractor
Aug	0.5 Laser Level	150 Drag Scraper, 14' Laser, Complete System	2.00				Tractor
Aug	1.0 Apply Fert/Ground	60 Fertilizer Spreader, 28'	60.00	11-52-00, Dry	400.00 Lb 273.33 Tn		Tractor
Aug	1.0 List	100 Lister, 5 Bottom	4.00				Tractor
Aug	1.0 Soil Fertility	CST Soil Analysis (Surface)				3.00 Ac	
Aug	1.0 Apply Herbicide/Ground	50 Directed Spray Rig, 8 Row	4.00	Trifluralin	1.00 Pt 24.95 Ga		Tractor
				Imidacloprid	16.00 Oz 588.40 Ga		
Aug	1.0 Mulch	125 Power Mulcher, 6 Rw Bed Shaper, 4 Rw	4.00				Tractor
Sep	1.0 Transplant	70 Transplanter, Veg, 4Row	1.00	Cauliflower Trans	9.00 Th 32.50 Th		Tractor
Sep	1.0 Buck Rows	50 Rowbuck, 10'	40.00				Other
Sep	10.0 Irrigate		1.25	Water, District	4.00 Al 20.00 AF		Tractor
Sep	3.0 Cultivate	70 Cultivator, Sweep, 4 Rw	3.00				Irrigators
Sep	2.0 Apply Fert/Inject	80 Fertilizer Injector, 4 Row	3.00	33-00-00, Amm. Nitrate,	22.00 Ga 270.00 Tn		Tractor
Sep	1.0 Hand Weeding	CST Hand Weeding				75.00 Ac	
Sep	4.0 Apply Insect./Ground	50 Saddle Tk Sprayer, 2 Tk 8	5.00	Cypermethrin	5.00 Oz 291.66 Ga		Tractor
				Methomyl	4.00 Pt 48.94 Ga		
Sep	2.0 Apply Insect./Ground	High Clearance Sprayer, 18	60.00	Spinosad	6.00 Oz 609.67 Ga		Tractor
Nov	1.0 Harvest	CST Harv/pack/haul		Boxes for Cauliflower	563.00 Ct 0.79 Ct	3.25 Ct	
Nov	1.0 Haul, Custom	CST Haul Produce				0.25 Ct	
Jan	1.0 Disk Residue	150 Offset Disk, 16.5'	10.00				Tractor
	Pickup use 40 Mi/Ac	Pickup Truck, 1/2 Ton	0.75				

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

Table 5F. Operations Calendar; Cauliflower (Transplant), 2001

COUNTY: Maricopa FARM: Maricopa Veg WATER SOURCE: Roosevelt ID TILLAGE: Double Crop
 CROP: Cauliflower ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Roosevelt ID YIELD: 816 Ct/Acre PREVIOUS CROP: Pimento DATE: 09/17/2001

No.	Operation	-----Month and Times Operation Performed-----											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Rip								0.5 C				
2	Plow								1.0 C				
3	Disk								2.0 C				
4	Laser Level								0.5 C				
5	Soil Fertility								1.0 C				
6	Apply Fert/Ground								1.0 C				
7	List								1.0 C				
8	Apply Herbicide/Ground								1.0 C				
9	Mulch								1.0 C				
10	Transplant									1.0 C			
11	Buck Rows									1.0 C			
12	Irrigate									4.0 C	3.0 C	2.0 C	1.0 C
13	Cultivate									2.0 C	1.0 C		
14	Apply Fert/Inject									1.0 C	1.0 C		
15	Hand Weeding									1.0 C			
16	Apply Insect./Ground									2.0 C	2.0 C		
17	Apply Insect./Ground									1.0 C		1.0 C	
18	Harvest											1.0 C	
19	Haul, Custom											1.0 C	
20	Disk Residue												1.0 C

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