

Table 13A. Income and Cash Operating Cost Summary, Cauliflower (Transplant), 1995

COUNTY: Maricopa FARM: Maricopa Vegetables WATER SOURCE: RID TILLAGE: Double Crop  
 CROP: Cauliflower ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam  
 AREA: Roosevelt ID YIELD: 404.0 Ct/Acre PREVIOUS CROP: Onions, Green DATE: 08/20/95

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Cauliflowe	Crtn	404.00	\$6.3400	\$2,561.36	\$2,561.36	
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					230.01	
Tractor/Self Propelled				77.14		
Irrigation				94.08		
Other/Contract				58.80		
Chemicals & Custom Applications					194.46	
Fertilizers				121.55		
Insecticides				68.91		
Herbicides				4.01		
Farm Machinery and Vehicles					56.58	
Diesel Fuel				19.48		
Repairs & Maint.				37.10		
Irrigation Water (excluding labor)					120.00	
Water Assessment (See Note Below) **					**	
Other Purchased Inputs & Services					352.05	
Seed/Transplants				274.05		
Other Services & Rentals				78.00		
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					953.11	
CASH HARVEST AND POST HARVEST EXPENSES						
Custom Harvest/Post Harvest					1,414.00	
Other Materials					402.99	
TOTAL HARVEST AND POST HARVEST EXPENSE					1,816.99	
OPERATING OVERHEAD->PICKUP USE					9.21	
OPERATING INTEREST AT 9.0%					13.50	
TOTAL CASH OPERATING EXPENSES					\$2,792.81	
RETURNS OVER CASH OPERATING EXPENSES					( \$231.45)	

Notes: The above figures do not include ownership costs, see Table 13B on Next Page for detailed cost allocation.

\*\* A water assessment charge of \$ 7.50/Acre is included in the ownership costs of Table 13B.

Table 13B. Allocation of Ownership Costs; Cauliflower (Transplant), 1995

COUNTY: Maricopa FARM: Maricopa Vegetables WATER SOURCE: RID 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 \$ 6.3400/Ct	\$2,561.36		\$2,561.36	
TOTAL OPERATING EXPENSES	2,792.80		2,792.80	
RETURN OVER CASH OPERATING EXPENSES		( \$231.44)		( \$231.44)
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	6.67		6.67	
Gen. & Off. Overhead ( 5% of Tot. Oper. Exp.)	139.64		139.64	
General Farm Maint. ( 3% of Tot. Oper. Exp.)	83.78		83.78	
Total Cash Overhead Expenses	230.09		230.09	
Total Cash Oper. & Over. Cost	3,022.89		3,022.89	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		( 461.53)		( 461.53)
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			38.21	
Interest on Equity, Machinery & Vehicles			14.30	
Total Capital Allocations			52.51	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK		( 461.53)		
RETURNS TO LAND, MANAGEMENT & RISK				( 514.04)
Land Cost / Rent or Lease	200.00		200.00	
Water Assessment **	7.50		7.50	
Total Land Costs	207.50		207.50	
RETURNS TO MANAGEMENT, CAPITAL & RISK		( 669.03)		
RETURNS TO MANAGEMENT & RISK				( 721.54)
Management Services ( 8% of Tot. Oper. Exp.)			223.42	
TOTAL OWNERSHIP COST	437.59		713.52	
TOTAL COST	\$3,230.39		\$3,506.33	
RETURN TO MANAGEMENT, CAPITAL & RISK		( \$669.03)		
RETURN TO RISK (PROFITS)				( \$944.97)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Ct)		\$6.91		\$6.91
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$1.08		\$1.76
BREAK-EVEN PRICE TO COVER TOTAL COST		\$7.99		\$8.67

Table 13C. Variable Operating Costs; Cauliflower (Transplant), 1995

COUNTY: Maricopa FARM: Maricopa Vegetables WATER SOURCE: RID TILLAGE: Double Crop  
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 AREA: Roosevelt ID YIELD: 404.0 Ct/Acre PREVIOUS CROP: Onions, Green DATE: 08/20/95

No.	First Month	Operation	Hours * -		Operating Costs (\$/Acre*)				Tot. Cash		Class		
			Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials	Total	Times		Expense	
1	Aug	Rip	0.450	0.500	4.79	4.90				9.69	0.5	4.84	L
2	Aug	Plow	0.180	0.200	2.67	1.96				4.63	1.0	4.63	L
3	Aug	Disk	0.090	0.100	1.33	0.98				2.31	3.0	6.94	L
4	Aug	Laser Level	0.450	0.500	4.96	4.90				9.86	0.5	4.93	L
5	Aug	List	0.225	0.250	1.89	2.45				4.34	1.0	4.34	L
6	Aug	Soil Fertility						3.00		3.00	1.0	3.00	G
7	Aug	Apply Fert/Ground	0.300	0.333	3.09	3.26		39.68		46.03	1.0	46.03	G
8	Aug	Apply Herbicide/Ground	0.225	0.250	1.03	2.45		72.92		76.40	1.0	76.40	G
9	Aug	Mulch	0.225	0.250	2.50	2.45				4.95	1.0	4.95	L
10	Sep	Transplant	0.900	7.000	7.39	68.60		274.05		350.04	1.0	350.04	L
11	Sep	Buck Rows	0.022	0.025	0.08	0.24				0.32	1.0	0.32	G
12	Sep	Irrigate		0.800		7.84		10.00		17.84	12.0	214.08	G
13	Sep	Cultivate	0.300	0.333	1.83	3.26				5.09	4.0	20.37	G
14	Sep	Apply Fert/Ground	0.300	0.333	2.11	3.26		37.45		42.82	1.0	42.82	G
15	Sep	Hand Weeding						75.00		75.00	1.0	75.00	G
16	Sep	Apply Insect./Ground	0.180	0.200	0.90	1.96				2.86	10.0	28.60	G
17	Sep	Apply Fert/Ground	0.300	0.333	3.09	3.26		14.81		21.16	3.0	63.49	G
18	Nov	Harvest	404.0 Ct					1,313.00	402.99	1,715.99	1.0	1,715.99	H
19	Dec	Haul, Custom	404.0 Ct					101.00		101.00	1.0	101.00	H
20	Jan	Disk Residue	0.090	0.100	1.33	0.98				2.31	1.0	2.31	L
		Pickup Use 40 Mi/Ac	1.330		9.20							9.20	O
		Operating Interest at 9.00%						13.51				13.51	O
TOTAL CASH OPERATING EXPENSES:					\$65.79	\$229.99	\$1,505.51	\$991.52				\$2,792.81	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/Acre included as ownership cost in Table 13B.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF NET REVENUES OVER TOTAL CASH EXPENSES (\$/Acre)						
		Prices ->		-25%	-10%	Budgeted	+10%	+25%
Land Preparation (L)	\$382.99							
Growing (G)	570.10							
Harvest (H)	1,816.99	Yields		\$4.75	\$5.70	\$6.34	\$6.97	\$7.92
Post Harvest (P)	0.00							
Marketing (M)	0.00							
Operating Overhead (O)	22.71							
		Budgeted	404.0	-871.78	-487.58	-231.44	24.69	408.89
Total (T)	\$2,792.80							
		+10%	444.4	-861.38	-438.75	-157.00	124.74	547.36
		+25%	505.0	-845.77	-365.52	-45.35	274.81	755.07
		Break-even Yield		3,789.57	807.45	529.61	394.03	284.70

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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			2.08		20.07	20.41	112.60		3.00	156.08
SEP C	4.0	16.0	13.35	40.00	27.95	130.88	81.87	274.05	75.00	629.75
OCT C	3.0	12.0	3.73	30.00	6.33	36.58				72.91
NOV C	3.0	12.0	2.60	30.00	0.90	25.48		201.49	700.00	957.87
DEC C	2.0	8.0	1.60	20.00		15.68		201.49	714.00	951.17
JAN N			0.10		1.33	0.98				2.31
Pickup Use 40 Mi/Ac					9.20					9.20
Operating Interest at 9.0%									13.50	13.50
Water Assessment				**						
<b>Total</b>	<b>12.0</b>	<b>48.0</b>	<b>23.47</b>	<b>120.00</b>	<b>65.79</b>	<b>230.01</b>	<b>194.47</b>	<b>677.04</b>	<b>1,505.50</b>	<b>2,792.81</b>
<b>%</b>				<b>4.29</b>	<b>2.35</b>	<b>8.23</b>	<b>6.96</b>	<b>24.24</b>	<b>53.90</b>	<b>100.00</b>
<b>TOTAL RESOURCES REQUIREMENTS(/Acre)</b>			<b>TOTAL ENERGY REQUIREMENTS(/Acre)</b>							
Total N	222.0 lbs		Diesel Fuel		28.5	Gal				
Total P	160.8 lbs		Regular Gas		0.0	Gal				
Total K	0.0 lbs		NonLead Gas		4.0	Gal				
Total Labor	23.4 Hrs		All Direct Energy		4.4	M BTU				
Total Water	48.0 AI									
<b>EQUIPMENT REQUIREMENTS(/Acre)</b>										
Tractor, 150 PTO HP, MFWD	0.99 Hrs		V-Ripper, 5 Shnk	0.23 Hrs		Moldboard Plow, 5-16 2 Way	0.18 Hrs			
Offset Disk, 21'	0.36 Hrs		Drag Scraper, 14'	0.23 Hrs		Laser Receiver, Mast System	0.23 Hrs			
Laser Trailer	0.23 Hrs		Tractor, 100 PTO HP, MFWD	1.65 Hrs		Lister, 5 Bottom	0.23 Hrs			
Fertilizer Injector, 4 Row	1.20 Hrs		Tractor, 50 PTO HP, MFWD	2.35 Hrs		Directed Spray Rig, 8 Row	0.23 Hrs			
Power Mulcher, 6 Rw	0.23 Hrs		Tractor, 70 PTO HP, MFWD	2.10 Hrs		Transplanter, Veg, 4Row	0.90 Hrs			
Rowbuck, 10'	0.02 Hrs		Cultivator, Sweep, 4 Rw	1.20 Hrs		Fert. Side Dress Unit, 4Row	0.30 Hrs			
Saddle Tk Sprayer, 2 Tk 8 Row	1.80 Hrs		Pickup Truck, 1/2 Ton	1.33 Hrs						
<b>MATERIALS REQUIREMENTS(/Acre)</b>										
10-34-00, Lqd	26.00 Ga		Trifluralin	1.00 Pt		Imidacloprid	16.00 Oz			
Cauliflower Trans	9.00 Th		Water, District	48.00 AI		16-20-00, Dry	300.00 Lb			
Methomyl	0.00 Pt		32-00-00, URAN 32, Lqd	40.80 Ga		Boxes for Cauliflower	404.00 Ct			
<b>LABOR REQUIREMENTS(/Acre)</b>										
Tractor	7.87 Hrs		Other	6.00 Hrs		Irrigators	9.60 Hrs			

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

\*\* A water assessment charge of \$ 7.50/Acre included as ownership cost in Table 13B.

Table 13E Schedule of Operations; Cauliflower (Transplant), 1995

COUNTY: Maricopa FARM: Maricopa Vegetables WATER SOURCE: RID TILLAGE: Double Crop  
 CROP: Cauliflower ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam  
 AREA: Roosevelt ID YIELD: 404.0 Ct/Acre PREVIOUS CROP: Onions, Green DATE: 08/20/95

No.	First Month	Times	Operation	Equipment/Custom Oper.		Job Rate Acres/Hr	Material Use & Cost			Service Cost \$/Unit	Labor \$/Unit	Type
				HP	Self-Prop./Implem.		Name	Appl. Rate				
1	Aug	0.5	Rip	150	V-Ripper, 5 Shnk	2.00						Tractor
2	Aug	1.0	Plow	150	Moldboard Plow, 5-16 2	5.00						Tractor
3	Aug	3.0	Disk	150	Offset Disk, 21'	10.00						Tractor
4	Aug	0.5	Laser Level	150	Drag Scraper, 14' Laser Receiver, Mast Sy Laser Trailer	2.00						Tractor
5	Aug	1.0	List	100	Lister, 5 Bottom	4.00						Tractor
6	Aug	1.0	Soil Fertility		CST Soil Analysis (Surf						3.00 Ac	
7	Aug	1.0	Apply Fert/Ground	100	Fertilizer Injector, 4	3.00	10-34-00, Lqd	26.00 Ga	255.00 Tn			Tractor
8	Aug	1.0	Apply Herbicide/Groun	50	Directed Spray Rig, 8	4.00	Trifluralin Imidacloprid	1.00 Pt 16.00 Oz	30.53 Ga 525.00 Ga			Tractor
9	Aug	1.0	Mulch	100	Power Mulcher, 6 Rw	4.00						Tractor
10	Sep	1.0	Transplant	70	Transplanter, Veg, 4Row	1.00	Cauliflower Trans	9.00 Th	29.00 Th			Tractor Other
11	Sep	1.0	Buck Rows	50	Rowbuck, 10'	40.00						Tractor
12	Sep	12.0	Irrigate			1.25	Water, District	4.00 AI	30.00 AF			Irrigator
13	Sep	4.0	Cultivate	70	Cultivator, Sweep, 4 Rw	3.00						Tractor
14	Sep	1.0	Apply Fert/Ground	50	Fert. Side Dress Unit, CST Hand Weeding	3.00	16-20-00, Dry	300.00 Lb	237.75 Tn		75.00 Ac	Tractor
15	Sep	1.0	Hand Weeding									
16	Sep	10.0	Apply Insect./Ground	50	Saddle Tk Sprayer, 2 Tk	5.00	Methomyl	0.00 Pt	42.68 Ga			Tractor
17	Sep	3.0	Apply Fert/Ground	100	Fertilizer Injector, 4	3.00	32-00-00, URAN 32,	13.60 Ga	187.50 Tn			Tractor
18	Nov	1.0	Harvest		CST Harvest Cauliflower Boxes for Cauliflo		404.00 Ct		0.95 Ct		3.25 Ct	
19	Dec	1.0	Haul, Custom		CST Haul Produce						0.25 Ct	
20	Jan	1.0	Disk Residue	150	Offset Disk, 21'	10.00						Tractor
			Pickup Use	40 Mi/Ac	Pickup Truck, 1/2 Ton	0.75						

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

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