

Table 18A. Income and Cash Operating Summary; Spring Sweet Corn, 2001

COUNTY: Maricopa FARM: Maricopa Veg WATER SOURCE: Salt River Project TILLAGE: Conventional
 CROP: Corn, Sweet ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Salt River Project YIELD: 337.0 Ct / Acre PREVIOUS CROP: Sorghum Silage DATE: 9/11/01

Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Ears	Ctrn	337.00	\$5.38	\$1,813.06	\$1,813.06	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					99.14	_____
Tractor/Self Propelled				29.08		_____
Irrigation				70.06		_____
Chemicals and Custom Applications					133.71	_____
Fertilizer				66.41		_____
Insecticide				67.30		_____
Farm Machinery and Vehicles					27.68	_____
Diesel Fuel				11.50		_____
Repairs and Maintenance				16.17		_____
Irrigation Water (excluding labor)					10.00	_____
Water Assessment (See Note Below) **						_____
Other Purchased Inputs & Seed/Transplants				107.81	107.81	_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					378.34	_____
CASH HARVEST AND POST HARVEST EXPENSES						
Paid Labor (including benefits)					302.20	_____
Tractor/Self Propelled				97.48		_____
Other/Contract				204.72		_____
Farm Machinery and Vehicles					63.49	_____
Diesel Fuel				18.91		_____
Repairs and Maintenance				44.58		_____
Other Materials					378.83	_____
TOTAL HARVEST AND POST HARVEST EXPENSE					744.52	_____
OPERATING OVERHEAD -> PICKUP USE					5.08	_____
OPERATING INTEREST AT 10.0%					4.11	_____
TOTAL CASH OPERATING EXPENSES					\$1,132.06	_____
RETURNS OVER CASH OPERATING EXPENSES					\$681.00	_____

100

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

** A water assessment charge of \$20.27 per Acre is included as an ownership cost in Table B.

Table 18B. Allocations of Ownership Costs; Spring Sweet Corn, 2001

COUNTY: Maricopa FARM: Maricopa Veg WATER SOURCE: Salt River Project TILLAGE: Conventional
 CROP: Corn, Sweet ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Salt River Project YIELD: 337.0 Ct / Acre PREVIOUS CROP: Sorghum Silage DATE: 9/11/01

Item	-- CASH COST BASIS (\$/ACRE) --		-- TOTAL COST BASIS (\$/ACRE) --	
	Income and Costs	Net Returns	Income and Costs	Net Returns
TOTAL INCOME at \$5.38 / Ct	\$1,813.06		\$1,813.06	
TOTAL OPERATING EXPENSES	\$1,132.06		\$1,132.06	
RETURN OVER CASH OPERATING EXPENSES		\$681.00		\$681.00
CASH OVERHEAD EXPENSES				
Taxes, Housing and Insurance, Farm Machinery	8.35		8.35	
General and Office Overhead (5.0% of Total Operating Exp.)	56.60		56.60	
General Farm Maintenance (3.0% of Total Operating Exp.)	33.96		33.96	
Total Cash Overhead Expenses	98.92		98.92	
Total Cash Operating and Overhead Cost	1,230.98		1,230.98	
RETURNS OVER CASH OPER. AND OVER. EXPENSES		\$582.08		\$582.08
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery and Vehicles			55.39	
Interest on Equity, Machinery and Vehicles			23.05	
Total Capital Allocations			78.44	
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK ----->		\$582.08		
RETURNS TO LAND, MANAGEMENT AND RISK ----->				\$503.64
Land Cost / Rent or Lease	200.00		200.00	
Water Assessment **	20.27		20.27	
Total Land Costs	220.27		220.27	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$361.81		
RETURNS TO MANAGEMENT AND RISK ----->				\$283.37
Management Services (8% of Total Operation Expenses)			90.56	
TOTAL OWNERSHIP COST	319.19		488.20	
TOTAL COST	\$1,451.25		\$1,620.25	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$361.81		
RETURNS TO RISK (PROFITS) ----->				\$192.81
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)		\$3.36		\$3.36
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.95		\$1.45
BREAK-EVEN PRICE TO COVER TOTAL COST		\$4.31		\$4.81

101

Table 18C. Variable Operating Costs; Spring Sweet Corn, 2001

COUNTY: Maricopa FARM: Maricopa Veg WATER SOURCE: Salt River Project TILLAGE: Conventional
 CROP: Corn, Sweet ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Salt River Project YIELD: 337.0 Ct / Acre PREVIOUS CROP: Sorghum Silage DATE: 9/11/01

No.	First Month	Operation	---- Hours * ----		---- Operating Costs (\$/ACRE *) Per Operation ----					Tot. Cash	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Serv.	Materials	Total			Times
1	Feb	Rip	0.225	0.250	2.86	2.44			5.29	1.0	5.29	L
2	Feb	Disk	0.225	0.250	3.30	2.44			5.73	1.0	5.73	L
3	Feb	Apply Fert/Ground	0.090	0.100	0.71	0.97		34.88	36.57	1.0	36.57	G
4	Feb	List	0.225	0.250	2.02	2.44			4.46	1.0	4.46	L
5	Feb	Disk Ends	0.045	0.050	0.48	0.49			0.97	5.0	4.86	G
6	Feb	Buck Rows	0.045	0.050	0.19	0.49			0.68	6.0	4.09	G
7	Feb	Preirrigate		1.587		15.47			15.47	1.0	15.47	G
8	Mar	Plant	0.360	0.400	4.75	3.90		107.81	116.47	1.0	116.47	L
9	Mar	Cultivate	0.180	0.200	1.56	1.95			3.51	3.0	10.52	G
10	Mar	Apply Fert/Ground	0.300	0.333	2.48	3.25		31.53	37.26	1.0	37.26	G
11	Mar	Irrigate		0.800		7.80		1.43	9.23	7.0	64.59	G
12	Apr	Apply Insecticide/Air						4.75	6.47	11.22	67.32	G
13	May	Pick and Haul	9.000	20.00	63.49	292.45		378.83	734.77	1.0	734.77	H
14	May	Unload Produce		1.000		9.75			9.75	1.0	9.75	H
15	Jun	Disk Residue	0.225	0.250	3.30	2.44			5.73	1.0	5.73	L
		Pickup Use 20 Mi/Acre	0.667		5.08						5.08	
		Operating Interest at 10.0					4.11				4.11	
TOTAL CASH OPERATING EXPENSES (includes all times over):											1132.06	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 \$20.27 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)	137.68	Yields	\$4.03	\$4.84	\$5.38	\$5.92	\$6.73	Break-even Price	
Growing (G)	240.66								
Harvest (H)	744.52								
Post Harvest (P)	0.00	- 25%	252.8	8.64	212.61	348.59	484.57	688.54	4.00
Marketing (M)	0.00	- 10%	303.3	115.56	360.32	523.49	686.67	931.43	3.65
Operating Overhead (O)	9.19	Budgeted	337.0	186.83	458.79	640.10	821.40	1,093.36	3.48
		+ 10%	370.7	258.11	557.26	756.70	956.14	1,255.29	3.34
Total (T)	\$1,132.05	+ 25%	421.3	365.02	704.97	931.60	1,158.23	1,498.18	3.17
		Break-even Yield		248.66	179.99	152.00	131.55	109.45	

Table 18D. Resource and Cash Flow Requirements; Spring Sweet Corn, 2001

COUNTY: Maricopa FARM: Maricopa Veg WATER SOURCE: Salt River Project TILLAGE: Conventional
 CROP: Corn, Sweet ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Salt River Project YIELD: 337.0 Ct / Acre PREVIOUS CROP: Sorghum Silage 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	
FEB C	1.0	8.0	2.64		10.24	25.71	34.88				70.83
MAR C	2.0	8.0	12.93		11.71	28.59	31.53	107.81			179.64
APR C	2.0	8.0	1.90		2.24	18.52	6.47		4.75		31.98
MAY C	3.0	12.0	33.45	10.00	63.68	326.09	32.33	378.83	23.75		834.68
JUN C			0.25		3.30	2.44					5.74
Pickup Use 20 Mi/Acre					5.08						5.08
Operating Interest at 10.0									4.11		4.11
Water Assessment				**							
Total	8.0	36.0	51.17	10.00	96.25	401.35	105.21	486.64	32.61		1132.06
%				0.88	8.50	35.45	9.29	42.99	2.88		100.00

TOTAL RESOURCE REQUIREMENTS (per Acre)

Total N 123.2
 Total P 96.0
 Total Labor 51.2
 Total Water 36.0

TOTAL ENERGY REQUIREMENTS (per Acre)

Diesel Fuel 35.7 Gal
 Unleaded Gas 2.0 Gal
 All Direct Energy 5.2 M BTU

EQUIPMENT REQUIREMENTS (per Acre)

Fert. Side Dress Unit, 0.30 Hr	Fertilizer Broadcaster, 0.09 Hr	Lister, 5 Bottom, 0.22 Hr
Offset Disk, 13.5', 0.67 Hr	Pickup Truck, 1/2 Ton, 0.67 Hr	Planter, Drill Type, 4 Row, 0.36 Hr
Rolling Cultivator, 4 Rw, 0.54 Hr	Rowbuck, 10', 0.27 Hr	Tractor, 50 PTO HP, 9.57 Hr
Tractor, 100 PTO HP, 1.44 Hr	Tractor, 150 PTO HP, 0.67 Hr	V-Ripper, 5 Shnk, 0.22 Hr
Vegetable Trailer Flat Bed, 9.00 Hr		

MATERIALS REQUIREMENT (per Acre)

11-48-00, Dry, 200.00 Lb	46-00-00, Urea 46, 220.00 Lb	Methomyl, 6.00 Pt
Sweet Corn Seed + Fung., 12.00 Lb	Water, District, 36.00 Al	Wirebound Crates, 224.00 Ct

LABOR REQUIREMENT (per Acre)

Irrigators, 7.19 Hr	Other, 21.00 Hr	Tractor, 12.98 Hr
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*NOTE: P = Previous Year C = Current Year N = Next Year

** A water assessment charge of \$20.27 per Acre is included as an ownership cost in Table B.

Table 18E. Schedule of Operations; Spring Sweet Corn, 2001

COUNTY: Maricopa FARM: Maricopa Veg WATER SOURCE: Salt River Project TILLAGE: Conventional
 CROP: Corn, Sweet ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Salt River Project YIELD: 337.0 Ct / Acre PREVIOUS CROP: Sorghum Silage DATE: 9/11/01

First No. Month Times	Operation	Equipment/ Custom Oper HP Self-Prop./ Implement	Job Rate	Material Use and Cost				Service Cost	Labor
				Name	Appl. Rate	\$ / Unit			
Feb	1.0 Rip	150 V-Ripper, 5 Shnk	4.00					Tractor	
Feb	1.0 Disk	150 Offset Disk, 13.5'	4.00					Tractor	
Feb	1.0 Apply Fert/Ground	100 Fertilizer Broadcaster,	10.00	11-48-00, Dry	200.00 Lb	330.00 Tn		Tractor	
Feb	1.0 List	100 Lister, 5 Bottom	4.00					Tractor	
Feb	5.0 Disk Ends	100 Offset Disk, 13.5'	20.00					Tractor	
Feb	6.0 Buck Rows	50 Rowbuck, 10'	20.00					Tractor	
Feb	1.0 Preirrigate		0.63	Water, District	8.00 Al	0.00 AF		Irrigators	
Mar	1.0 Plant	100 Planter, Drill Type, 4 Row	2.50	Sweet Corn Seed +	12.00 Lb	8.50 Lb		Tractor	
Mar	3.0 Cultivate	100 Rolling Cultivator, 4 Rw	5.00					Tractor	
Mar	1.0 Apply Fert/Ground	50 Fert. Side Dress Unit, 4Row	3.00	46-00-00, Urea 46	220.00 Lb	271.17 Tn		Tractor	
Mar	7.0 Irrigate		1.25	Water, District	4.00 Al	4.29 AF		Irrigators	
Apr	6.0 Apply Insecticide/Air	CST Air Spray, 5 Gal Mix		Methomyl	1.00 Pt	48.94 Ga	4.75 Ac		
May	1.0 Pick and Haul	50 Vegetable Trailer Flat Bed	0.10	Wirebound Crates	224.00 Ct	1.60 Ct		Tractor	
May	1.0 Unload Produce		1.00					Other	
Jun	1.0 Disk Residue	150 Offset Disk, 13.5'	4.00					Other	
	Pickup use 20 Mi/Ac	Pickup Truck, 1/2 Ton	1.50					Tractor	

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

Table 18F. Operations Calendar; Sweet Corn, 2001

COUNTY: Maricopa
 CROP: Corn, Sweet
 AREA: Salt River Project

FARM: Maricopa Veg
 ACRES: 1.0
 YIELD: 337 Ct./Acre

WATER SOURCE: SRP
 IRRIGATION SYSTEM: Flood Furrow
 PREVIOUS CROP: Sorghum Silage

TILLAGE: Conventional
 SOIL: Sandy-Loam
 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		1.0 C										
2	Disk		1.0 C										
3	Apply Fert/Ground		1.0 C										
4	List		1.0 C										
5	Disk Ends		2.0 C	2.0 C	1.0 C								
6	Buck Rows		2.0 C	2.0 C	1.0 C	1.0 C							
7	Preirrigate		1.0 C										
8	Plant			1.0 C									
9	Cultivate			2.0 C	1.0 C								
10	Apply Fert/Ground			1.0 C									
11	Irrigate			2.0 C	2.0 C	3.0 C							
12	Apply Insecticide/Air				1.0 C	5.0 C							
13	Pick and Haul					1.0 C							
14	Unload Produce					1.0 C							
15	Disk Residue									1.0 C			

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