

Table 11A. Income and Cash Operating Summary; Spring Honeydews, 1998

COUNTY: Yuma FARM: Yuma Vegetables 98 WATER SOURCE: Yuma County Water TILLAGE: Double Crop
 CROP: Honeydew Melons ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Yuma Valley North YIELD: 414.0 Ct / Acre PREVIOUS CROP: Safflower DATE: 11/27/98

Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget	
INCOME	Melons	Crtm	414.00	\$7.75	\$3,208.50	\$3,208.50	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)							
Paid Labor (including benefits)					79.63	_____	
Tractor/Self Propelled					46.70	_____	
Irrigation					32.93	_____	
Chemicals and Custom Applications					338.69	_____	
Fertilizer					180.13	_____	
Insecticide					103.30	_____	
Herbicide					50.51	_____	
Other Chemicals					4.75	_____	
Farm Machinery and Vehicles					55.69	_____	
Diesel Fuel					20.45	_____	
Repairs and Maintenance					35.23	_____	
Water Assessment (See Note Below) **						_____	
Other Purchased Inputs &					285.97	_____	
Seed/Transplants					42.97	_____	
Other Services and Rentals					243.00	_____	
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					759.98	_____	
CASH HARVEST AND POST HARVEST EXPENSES							
Custom Harvest/Post Harvest					745.20	_____	
Other Materials					592.43	_____	
TOTAL HARVEST AND POST HARVEST EXPENSE					1337.63	_____	
OPERATING OVERHEAD PICKUP USE					7.56	_____	
OPERATING INTEREST AT 10.0%					12.25	_____	
TOTAL CASH OPERATING EXPENSES					\$2,117.42	_____	
RETURNS OVER CASH OPERATING EXPENSES					\$1,091.08	_____	

Notes: The above figures do not include ownership costs, see table B for detailed cost allocation.
 ** A water assessment charge of \$31.00 per Acre is included as an ownership cost in Table B.

Table 11B. Allocations of Ownership Costs; Spring Honeydews, 1998

COUNTY: Yuma FARM: Yuma Vegetables 98 WATER SOURCE: Yuma County Water TILLAGE: Double Crop
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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 \$7.75 / Ct	\$3,208.50		\$3,208.50	
TOTAL OPERATING EXPENSES	\$2,117.42		\$2,117.42	
RETURN OVER CASH OPERATING EXPENSES		\$1,091.08		\$1,091.08
CASH OVERHEAD EXPENSES				
Taxes, Housing and Insurance, Farm Machinery	5.50		5.50	
General and Office Overhead (5.0% of Total Operating Exp.)	105.87		105.87	
General Farm Maintenance (3.0% of Total Operating Exp.)	63.52		63.52	
Total Cash Overhead Expenses	174.89		174.89	
Total Cash Operating and Overhead Cost	2,292.32		2,292.32	
RETURNS OVER CASH OPER. AND OVER. EXPENSES		\$916.18		\$916.18
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery and Vehicles			31.83	
Interest on Equity, Machinery and Vehicles			11.94	
Total Capital Allocations			43.77	
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK ----->		\$916.18		
RETURNS TO LAND, MANAGEMENT AND RISK ----->				\$872.41
Land Cost / Rent or Lease	435.00		435.00	
Water Assessment	31.00		31.00	
Total Land Costs	466.00		466.00	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$450.18		
RETURNS TO MANAGEMENT AND RISK ----->				\$406.41
Management Services (8% of Total Operation Expenses)			169.39	
TOTAL OWNERSHIP COST	640.89		854.05	
TOTAL COST	\$2,758.32		\$2,971.48	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$450.18		
RETURNS TO RISK (PROFITS) ----->				\$237.02
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)		\$5.11		\$5.11
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$1.55		\$2.06
BREAK-EVEN PRICE TO COVER TOTAL COST		\$6.66		\$7.18

Table 11C. Variable Operating Costs; Spring Honeydews, 1998

COUNTY: Yuma FARM: Yuma Vegetables 98 WATER SOURCE: Yuma County Water TILLAGE: Double Crop
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 AREA: Yuma Valley North YIELD: 414.0 Ct / Acre PREVIOUS CROP: Safflower DATE: 11/27/98

No.	First Month	Operation	---- Hours * ----		---- Operating Costs (\$/ACRE *) Per Operation ----					Tot. Cash Expense	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Serv.	Materials	Total			Times
1	Feb	Disk	0.150	0.167	2.25	1.30			3.55	1.0	3.55	L
2	Feb	Plow	0.450	0.500	6.39	3.90			10.29	2.0	20.59	L
3	Feb	Laser Level	0.450	0.500	5.72	3.90			9.62	0.5	4.81	L
4	Feb	Soil Fertility					3.00		3.00	1.0	3.00	G
5	Feb	Apply Fert/Ground	0.180	0.200	1.78	1.56		52.47	55.80	1.0	55.80	G
6	Feb	Apply Herbicide/Ground	0.225	0.250	1.50	1.95		50.51	53.96	1.0	53.96	G
7	Feb	Incorporate Herbicide	0.225	0.250	3.14	1.95			5.09	1.0	5.09	G
8	Feb	List	0.225	0.250	2.45	1.95			4.40	1.0	4.40	L
9	Mar	Shape Beds	0.180	0.200	2.07	1.56		78.40	82.03	1.0	82.03	L
10	Mar	Plant	0.360	0.400	4.35	3.12		42.97	50.44	1.0	50.44	L
11	Mar	Irrigate		0.667		4.33			4.33	2.0	8.67	G
12	Mar	Irrigate		0.267		1.73			1.73	14.0	24.26	G
13	Mar	Cultivate	0.225	0.250	1.54	1.95			3.49	6.0	20.92	G
14	Mar	Spike Furrows	0.225	0.250	1.48	1.95			3.43	3.0	10.28	G
15	Mar	Apply Fert/Ground	0.257	0.286	3.42	2.23		63.83	69.48	2.0	138.97	G
16	Mar	Thinning					75.00		75.00	1.0	75.00	G
17	Apr	Hand Weeding					75.00		75.00	2.0	150.00	G
18	Apr	Pollinate					15.00		15.00	1.0	15.00	G
19	Apr	Apply Fungicide/Air					4.75		4.75	1.0	4.75	G
20	May	Apply Insecticide/Air					4.75	20.15	24.90	1.0	24.90	G
21	May	Pick and Load 414 Ct					641.70	592.43	1234.13	1.0	1234.13	H
22	May	Haul 0						103.50	103.50	1.0	103.50	H
23	Jun	Disk Residue 414 Ct	0.180	0.200	3.23	1.56			4.79	1.0	4.79	L
		Pickup Use30 Mi/Acre	1.000		7.56						7.56	
		Operating Interest at 10.0					12.25				12.25	
TOTAL CASH OPERATING EXPENSES (includes all times over):					64.47	78.40	1009.95	964.60			2117.42	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 \$31.00 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY BY CLASS

Land Preparation (L)	170.61
Growing (G)	589.37
Harvest (H)	1,337.63
Post Harvest (P)	0.00
Marketing (M)	0.00
Operating Overhead (O)	19.81
Total (T)	<u>\$2,117.42</u>

SENSITIVITY OF THE NET REVENUES OVER TOTAL CASH EXPENSES (\$/ACRE)

		Prices	- 25%	- 10%	Budgeted	+ 10%	+ 25%	
Yields			\$5.81	\$6.97	\$7.75	\$8.52	\$9.69	Break-even Price
- 25%	310.5	21.77	382.72	623.36	864.00	1,224.95	5.74	
- 10%	372.6	182.08	615.22	903.99	1,192.75	1,625.90	5.32	
Budgeted	414.0	288.95	770.23	1,091.08	1,411.93	1,893.20	5.11	
+ 10%	455.4	395.83	925.23	1,278.16	1,631.10	2,160.50	4.94	
Break-even Yield			302.07	208.28	172.56	147.30	120.78	

Table 11D. Resource and Cash Flow Requirements; Spring Honeydews, 1998

COUNTY: Yuma FARM: Yuma Vegetables 98 WATER SOURCE: Yuma County Water TILLAGE: Double Crop
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Month *	Number Irrigations	Water		Operating Costs (\$/ACRE *)						
		Applied (inches)	Total Labor (Hrs)	Purchased Water	Fuel, Oil and Repairs	Labor	Chemicals	Other Purchases	Services	Total
FEB C			2.37		27.28	31.49	102.98		3.00	164.75
MAR C	5.0	18.0	4.02		17.21	31.86	142.23	42.97	75.00	309.27
APR C	6.0	12.0	2.64		6.31	7.86	63.83		169.75	247.75
MAY C	5.0	10.0	1.83		2.95	5.63	20.15	296.22	377.35	702.30
JUN C			0.20		3.16	1.56		296.22	372.60	673.54
Pickup Use30 Mi/Acre					7.56					7.56
Operating Interest at 10.0									12.25	12.25
Water Assessment				**						
Total	16.0	40.0	11.06		64.47	78.40	329.19	635.41	1009.95	2117.42
%					3.04	3.70	15.55	30.01	47.70	100.00

TOTAL RESOURCE REQUIREMENTS (per Acre)

Total N 149.6
 Total P 206.2
 Total K 31.1
 Total Labor 11.1
 Total Water 40.0

TOTAL ENERGY REQUIREMENTS (per Acre)

Diesel Fuel 26.4 Gal
 Unleaded Gas 3.0 Gal
 All Direct Energy 4.0 M BTU

EQUIPMENT REQUIREMENTS (per Acre)

Bed Shaper, 4 Rw	0.18 Hr	Blade Scraper, 10'	0.22 Hr	Cultivator, Sweep, 4 Rw	1.35 Hr
Directed Spray Rig, 8	0.22 Hr	Disk-Lister, 4 Rw	0.22 Hr	Fertilizer Broadcaster,	0.18 Hr
Fertilizer Injector, 4 Row	0.51 Hr	Furrow Spike, 4 Rw	0.67 Hr	Laser, Complete System	0.22 Hr
Lister, 5 Bottom	0.22 Hr	Moldboard Plow, 4-16 2	0.90 Hr	Offset Disk, 16.5'	0.33 Hr
Pickup Truck, 1/2 Ton	1.00 Hr	Planter, Drill Type, 4 Row	0.36 Hr	Saddle Tk Sprayer, 2 Tk 8	0.18 Hr
Tractor, 60 PTO HP	2.25 Hr	Tractor, 70 PTO HP	0.36 Hr	Tractor, 100 PTO HP	1.32 Hr
Tractor, 125 PTO HP	0.22 Hr	Tractor, 150 PTO HP	0.18 Hr	Tractor, 150 PTO HP,	1.05 Hr

MATERIALS REQUIREMENT (per Acre)

11-48-00, Dry	300.00 Lb	15-08-04, Lqd	70.00 Ga	Benomyl	1.00 Lb
Bensulide	10.00 Pt	Endosulfan	2.00 Pt	Fenvalerate	9.00 Oz
Honeydew Seeds	2.00 Th	Imidacloprid	16.00 Oz	Water, District	40.00 Al
Waxed Cartons	414.00 Ct				

LABOR REQUIREMENT (per Acre)

Irrigators 5.07 Hr Tractor 5.99 Hr

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

** A water assessment charge of \$31.00 per Acre is included as an ownership cost in Table B.

Table 11E. Schedule of Operations; Spring Honeydews, 1998

COUNTY: Yuma FARM: Yuma Vegetables 98 WATER SOURCE: Yuma County Water TILLAGE: Double Crop
 CROP: Honeydew Melons ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Yuma Valley North YIELD: 414.0 Ct / Acre PREVIOUS CROP: Safflower DATE: 11/27/98

First No. Month	Times	Operation	Equipment/ Custom Oper		Job Rate Acres/Hr	Material Use and Cost				Service Cost \$ / Unit	Labor Type
			HP	Self-Prop./ Implement		Name	Appl. Rate	\$ / Unit	\$ / Unit		
1	Feb	1.0 Disk		150 Offset Disk, 16.5'	6.00						Tractor
2	Feb	2.0 Plow		150 Moldboard Plow, 4-16 2	2.00						Tractor
3	Feb	0.5 Laser Level		125 Blade Scraper, 10' Laser, Complete System	2.00						Tractor
4	Feb	1.0 Soil Fertility		CST Soil Analysis (Surface)						3.00 Ac	
5	Feb	1.0 Apply Fert/Ground		100 Fertilizer Broadcaster,	5.00	11-48-00, Dry	300.00 Lb	330.00 Tn			Tractor
6	Feb	1.0 Apply Herbicide/Ground		60 Directed Spray Rig, 8 Row	4.00	Bensulide	10.00 Pt	38.12 Ga			Tractor
7	Feb	1.0 Incorporate Herbicide		100 Disk-Lister, 4 Rw	4.00						Tractor
8	Feb	1.0 List		100 Lister, 5 Bottom	4.00						Tractor
9	Mar	1.0 Shape Beds		100 Bed Shaper, 4 Rw Saddle Tk Sprayer, 2 Tk 8 Row	5.00	Imidacloprid	16.00 Oz	591.67 Ga			Tractor
10	Mar	1.0 Plant		70 Planter, Drill Type, 4 Row	2.50	Honeydew Seeds	2.00 Th	20.27 Th			Tractor
11	Mar	2.0 Irrigate			1.50	Water, District	6.00 Al	0.00 AF			Irrigators
12	Mar	14.0 Irrigate			3.75	Water, District	2.00 Al	0.00 AF			Irrigators
13	Mar	6.0 Cultivate		60 Cultivator, Sweep, 4 Rw	4.00						Tractor
14	Mar	3.0 Spike Furrows		60 Furrow Spike, 4 Rw	4.00						Tractor
15	Mar	2.0 Apply Fert/Ground		100 Fertilizer Injector, 4 Row	3.50	15-08-04, Lqd	35.00 Ga	310.00 Tn			Tractor
16	Mar	1.0 Thinning		CST Thinning						75.00 Ac	
17	Apr	2.0 Hand Weeding		CST Hand Weeding						75.00 Ac	
18	Apr	1.0 Pollinate		CST Bee Hive Rental						15.00 Ac	
19	Apr	1.0 Apply Fungicide/Air		CST Air Spray, 5 Gal Mix		Benomyl	1.00 Lb	17.35 Lb		4.75 Ac	
20	May	1.0 Apply Insecticide/Air		CST Air Spray, 5 Gal Mix		Fenvalerate	9.00 Oz	146.61 Ga		4.75 Ac	
						Endosulfan	2.00 Pt	34.80 Ga			
21	May	1.0 Pick and Load		CST Cut & Load Melons		Waxed Cartons	414.00 Ct	1.35 Ct		1.55 Ct	
22	May	1.0 Haul		CST Haul Melons						0.25 Ct	
23	Jun	1.0 Disk Residue		150 Offset Disk, 16.5'	5.00						Tractor
		Pickup use 30 Mi/Ac		Pickup Truck, 1/2 Ton	1.00						

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