

COUNTY: Yuma FARM: Yuma Vegetables WATER SOURCE: YCWUA TILLAGE: Double Crop  
 CROP: Cantaloups ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam  
 AREA: Yuma Valley North YIELD: 299.0 Ct/Acre PREVIOUS CROP: Carrots DATE: 08/20/95

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Melons	Crtn	299.00	\$5.8800	\$1,758.12	\$1,758.12	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					85.90	_____
Tractor/Self Propelled				47.17		_____
Irrigation				34.33		_____
Other/Contract				4.40		_____
Chemicals & Custom Applications					337.38	_____
Fertilizers				177.64		_____
Insecticides				96.64		_____
Herbicides				46.75		_____
Other Chemicals				16.35		_____
Farm Machinery and Vehicles					47.90	_____
Diesel Fuel				17.58		_____
Repairs & Maint.				30.31		_____
Irrigation Water (excluding labor)					0.00	_____
Water Assessment (See Note Below) **					**	_____
Other Purchased Inputs & Services					417.03	_____
Seed/Transplants				145.03		_____
Other Services & Rentals				272.00		_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					888.20	_____
CASH HARVEST AND POST HARVEST EXPENSES						
Custom Harvest/Post Harvest					557.35	_____
Other Materials					273.14	_____
TOTAL HARVEST AND POST HARVEST EXPENSE					830.49	_____
OPERATING OVERHEAD->PICKUP USE					6.93	_____
OPERATING INTEREST AT 9.0%					22.96	_____
TOTAL CASH OPERATING EXPENSES					\$1,748.58	_____
RETURNS OVER CASH OPERATING EXPENSES					\$9.54	_____

Notes: The above figures do not include ownership costs, see Table 8B on Next Page for detailed cost allocation.

\*\* A water assessment charge of \$31.00/Acre is included in the ownership costs of Table 8B.

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 AREA: Yuma Valley North                      YIELD: 299.0 Ct/Acre                      PREVIOUS CROP: Carrots                      DATE: 08/20/95

Item	- CASH COST BASIS (\$/ACRE) -		- TOTAL COST BASIS (\$/ACRE) -	
	Income & Costs	Net Returns	Income & Costs	Net Returns
TOTAL INCOME at \$ 5.8800/Ct	\$1,758.12		\$1,758.12	
TOTAL OPERATING EXPENSES	1,748.57		1,748.57	
RETURN OVER CASH OPERATING EXPENSES		\$9.54		\$9.54
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	5.57		5.57	
Gen. & Off. Overhead ( 5% of Tot. Oper. Exp.)	87.42		87.42	
General Farm Maint. ( 3% of Tot. Oper. Exp.)	52.46		52.46	
Total Cash Overhead Expenses	145.45		145.45	
Total Cash Oper. & Over. Cost	1,894.03		1,894.03	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		( 135.91)		( 135.91)
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			31.13	
Interest on Equity, Machinery & Vehicles			11.61	
Total Capital Allocations			42.73	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK		( 135.91)		
RETURNS TO LAND, MANAGEMENT & RISK				( 178.65)
Land Cost / Rent or Lease	375.00		375.00	
Water Assessment **	31.00		31.00	
Total Land Costs	406.00		406.00	
RETURNS TO MANAGEMENT, CAPITAL & RISK		( 541.91)		
RETURNS TO MANAGEMENT & RISK				( 584.65)
Management Services ( 6% of Tot. Oper. Exp.)			104.91	
TOTAL OWNERSHIP COST	551.45		699.11	
TOTAL COST	\$2,300.03		\$2,447.69	
RETURN TO MANAGEMENT, CAPITAL & RISK		( \$541.91)		
RETURN TO RISK (PROFITS)				( \$689.57)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Ct)		\$5.84		\$5.84
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$1.84		\$2.33
BREAK-EVEN PRICE TO COVER TOTAL COST		\$7.69		\$8.18

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No.	Month	Operation	Hours * -		Operating Costs (\$/Acre*)					Tot. Cash Expense	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials	Total			
1	Feb	Disk	0.150	0.167	2.20	1.36			3.56	1.0	3.56	L
2	Feb	Plow	0.450	0.500	6.74	4.06			10.80	2.0	21.61	L
3	Feb	Laser Level	0.450	1.000	4.19	7.44			11.63	0.5	5.81	L
4	Feb	Soil Fertility					12.00		12.00	1.0	12.00	G
5	Feb	Apply Fert/Ground	0.180	0.200	1.28	1.62		51.19	54.09	1.0	54.09	G
6	Feb	Apply Herbicide/Ground	0.225	0.250	1.04	2.03		46.75	49.82	1.0	49.82	G
7	Feb	Incorporate Herbicide	0.225	0.250	2.47	2.03			4.50	1.0	4.50	G
8	Feb	List	0.225	0.250	1.91	2.03			3.94	1.0	3.94	L
9	Mar	Plant	0.360	0.800	4.41	5.96		145.03	155.40	1.0	155.40	L
10	Mar	Buck Rows	0.023	0.025	0.09	0.20			0.29	1.0	0.29	G
11	Mar	Irrigate		0.667		4.51			4.51	2.0	9.02	G
12	Mar	Irrigate		0.267		1.81			1.81	14.0	25.34	G
13	Mar	Cultivate	0.225	0.250	1.39	2.03			3.42	6.0	20.51	G
14	Mar	Spike Furrows	0.225	0.250	1.15	2.03			3.18	3.0	9.53	G
15	Mar	Apply Fert/Ground	0.257	0.286	2.67	2.32		63.23	68.22	2.0	136.45	G
16	Mar	Thinning					75.00		75.00	1.0	75.00	G
17	Apr	Apply Insecticide/Air					5.00	46.88	51.88	1.0	51.88	G
18	Apr	Hand Weeding					75.00		75.00	2.0	150.00	G
19	Apr	Pollenate					35.00		35.00	1.0	35.00	G
20	Apr	Apply Insecticide/Air					5.00	21.07	26.07	1.0	26.07	G
21	May	Apply Insecticide/Air					5.00	35.06	40.06	1.0	40.06	G
22	May	Pick and Load 299.0 Ct					493.35	273.14	766.49	1.0	766.49	H
23	May	Haul, Custom 320.0 Ct					64.00		64.00	1.0	64.00	H
24	May	Disk Residue	0.180	0.200	1.81	1.62			3.43	1.0	3.43	L
		Pickup Use 30 Mi/Ac	1.000		6.93				6.93		6.93	O
		Operating Interest at 9.00%						20.70			20.70	O
TOTAL CASH OPERATING EXPENSES:					\$54.83	\$85.96	\$865.05	\$745.58			\$1,751.42	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/Acre included as ownership cost in Table 8B.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF NET REVENUES OVER TOTAL CASH EXPENSES (\$/Acre)						
		Prices ->		-25%	-10%	Budgeted	+10%	+25%
Land Preparation (L)	\$193.75							
Growing (G)	699.54							
Harvest (H)	830.49	Yields		\$4.41	\$5.29	\$5.88	\$6.46	\$7.35 Break-even
Post Harvest (P)	0.00							
Marketing (M)	0.00	-25%	224.2	-554.85	-357.06	-225.20	-93.34	104.44 6.88
Operating Overhead (O)	27.63	-10%	269.1	-481.63	-244.29	-86.06	72.16	309.51 6.19
		Budgeted	299.0	-432.82	-169.11	6.70	182.51	446.23 5.85
Total (T)	\$1,751.41	+10%	328.9	-384.01	-93.92	99.46	292.85	582.94 5.57
		+25%	373.7	-310.80	18.84	238.60	458.37	788.02 5.24
		Break-even Yield		564.14	366.25	296.83	249.54	201.40

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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
FEB C			2.36		22.56	18.87	97.94		12.00	151.37
MAR C	5.0	18.0	4.24		12.48	31.04	63.23	145.03	75.00	326.78
APR C	6.0	12.0	2.63		6.59	19.25	131.18		195.00	352.02
MAY C	5.0	10.0	1.83		2.53	13.09	35.06	136.57	356.50	543.75
JUN C			0.45		3.72	3.65		136.57	205.85	349.79
Pickup Use	30 Mi/Ac				6.93					6.93
Operating Interest	at 9.0%								21.25	21.25
Water Assessment				**						
<b>Total</b>	<b>16.0</b>	<b>40.0</b>	<b>11.53</b>		<b>54.83</b>	<b>85.90</b>	<b>327.41</b>	<b>418.16</b>	<b>865.60</b>	<b>1,751.91</b>
<b>%</b>					<b>3.12</b>	<b>4.90</b>	<b>18.69</b>	<b>23.86</b>	<b>49.40</b>	<b>100.00</b>

TOTAL RESOURCES REQUIREMENTS(/Acre)		TOTAL ENERGY REQUIREMENTS(/Acre)	
Total N	149.6 lbs	Diesel Fuel	25.1 Gal
Total P	206.2 lbs	Regular Gas	0.0 Gal
Total K	31.0 lbs	NonLead Gas	3.0 Gal
Total Labor	11.5 Hrs		
Total Water	40.0 AI	All Direct Energy	3.8 M BTU

EQUIPMENT REQUIREMENTS(/Acre)			
Tractor, 150 PTO HP, MFWD	1.05 Hrs	Offset Disk, 18'	0.15 Hrs Moldboard Plow, 4-16 2 Way 0.90 Hrs
Tractor, 125 PTO HP, MFWD	0.23 Hrs	Drag Scraper, 10'	0.23 Hrs Laser Receiver, Mast System 0.23 Hrs
Laser Trailer	0.23 Hrs	Tractor, 100 PTO HP, MFWD	1.68 Hrs Fertilizer Broadcaster, Towed 0.18 Hrs
Tractor, 50 PTO HP, MFWD	0.25 Hrs	Directed Spray Rig, 8 Row	0.23 Hrs Disk-Lister, 4 Rw 0.23 Hrs
Planter, Drill Type, 4 Row	0.36 Hrs	Bed Shaper, 4 Rw	0.36 Hrs Rowbuck, 10' 0.02 Hrs
Tractor, 70 PTO HP, MFWD	2.03 Hrs	Cultivator, Sweep, 4 Rw	1.35 Hrs Furrow Spike, 4 Rw 0.68 Hrs
Fertilizer Injector, 4 Row	0.51 Hrs	Lister, 5 Bottom	0.23 Hrs Offset Disk, 13.5' 0.18 Hrs
Pickup Truck, 1/2 Ton	1.00 Hrs		

MATERIALS REQUIREMENTS(/Acre)			
11-48-00, Dry	300.00 Lb	Bensulide	10.00 Pt Cantaloupe Sd 2.00 Lb
Water, District	40.00 AI	15-08-04, Lqd	70.00 Ga Esfenvalerate 0.50 Pt
Bifenthrin	16.00 Oz	Endosulfan	3.50 Pt Benomyl 1.00 Lb
Cantaloupe Cartons	299.00 Ct		

LABOR REQUIREMENTS(/Acre)			
Tractor	5.81 Hrs	Other	0.65 Hrs Irrigators 5.07 Hrs

\* NOTE: P = Previous Year C = Current Year N = Next Year  
 \*\* A water assessment charge of \$31.00/Acre included as ownership cost in Table 8B.

Table 8E Schedule of Operations; Spring Cantaloup, 1995

COUNTY: Yuma FARM: Yuma Vegetables WATER SOURCE: YCWUA TILLAGE: Double Crop  
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No.	Month	First Times	Operation	Equipment/Custom Oper.		Job Rate Acres/Hr	Material Use & Cost Name	Appl. Rate	\$/Unit	Service Cost \$/Unit	Labor Type
				HP	Self-Prop./Implem.						
1	Feb	1.0	Disk	150	Offset Disk, 18'	6.00					Tractor
2	Feb	2.0	Plow	150	Moldboard Plow, 4-16 2	2.00					Tractor
3	Feb	0.5	Laser Level	125	Drag Scraper, 10' Laser Receiver, Mast Sy Laser Trailer	2.00					Tractor Other
4	Feb	1.0	Soil Fertility		CST Soil Analysis (Surf)					12.00 Ac	
5	Feb	1.0	Apply Fert/Ground	100	Fertilizer Broadcaster,	5.00	11-48-00, Dry	300.00 Lb	325.00 Tn		Tractor
6	Feb	1.0	Apply Herbicide/Groun	50	Directed Spray Rig, 8	4.00	Bensulide	10.00 Pt	35.62 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	Plant	100	Planter, Drill Type, 4 Bed Shaper, 4 Rw	2.50	Cantaloupe Sd	2.00 Lb	69.06 Lb		Tractor Other
10	Mar	1.0	Buck Rows	50	Rowbuck, 10'	40.00					Tractor
11	Mar	2.0	Irrigate			1.50	Water, District	6.00 AI	0.00 AF		Irrigator
12	Mar	14.0	Irrigate			3.75	Water, District	2.00 AI	0.00 AF		Irrigator
13	Mar	6.0	Cultivate	70	Cultivator, Sweep, 4 Rw	4.00					Tractor
14	Mar	3.0	Spike Furrows	70	Furrow Spike, 4 Rw	4.00					Tractor
15	Mar	2.0	Apply Fert/Ground	100	Fertilizer Injector, 4	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	1.0	Apply Insecticide/Air		CST Air Spray, 3 Gal Mi		Esfenvalerate Bifenthrin Endosulfan	0.50 Pt 8.00 Oz 1.50 Pt	144.09 Ga 462.22 Ga 35.94 Pt	5.00 Ac	
18	Apr	2.0	Hand Weeding		CST Hand Weeding					75.00 Ac	
19	Apr	1.0	Pollenate		CST Bee Hive Rental					35.00 Ac	
20	Apr	1.0	Apply Insecticide/Air		CST Air Spray, 3 Gal Mi		Benomyl Endosulfan	1.00 Lb 1.00 Pt	15.57 Lb 35.94 Ga	5.00 Ac	
21	May	1.0	Apply Insecticide/Air		CST Air Spray, 3 Gal Mi		Bifenthrin Endosulfan	8.00 Oz 1.00 Pt	462.22 Ga 35.94 Ga	5.00 Ac	
22	May	1.0	Pick and Load		CST Cut & Load Melons		Cantaloupe Cartons	299.00 Ct	0.87 Ct	1.65 Ct	
23	May	1.0	Haul, Custom		CST Haul Melons					0.20 Ct	
24	May	1.0	Disk Residue	100	Offset Disk, 13.5'	5.00					Tractor
			Pickup Use	30 Mi/Ac	Pickup Truck, 1/2 Ton	1.00					

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

\*\* A water assessment charge of \$31.00/Acre included as ownership cost in Table 8B.