

COUNTY: Yuma FARM: Yuma Vegetables WATER SOURCE: YCWUA TILLAGE: Double Crop
 CROP: Watermelons ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Yuma Valley North YIELD: 18.9 Tn/Acre PREVIOUS CROP: Cotton, Upland DATE: 08/20/95

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Melons	Ton	18.90	\$122.6000	\$2,317.14	\$2,317.14	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					194.62	_____
Tractor/Self Propelled				93.27		_____
Hand				57.86		_____
Irrigation				20.87		_____
Other/Contract				22.62		_____
Chemicals & Custom Applications					219.81	_____
Fertilizers				133.43		_____
Insecticides				80.07		_____
Herbicides				6.30		_____
Farm Machinery and Vehicles					112.96	_____
Diesel Fuel				38.19		_____
Gasoline				11.69		_____
Repairs & Maint.				63.08		_____
Irrigation Water (excluding labor)					0.00	_____
Water Assessment (See Note Below) **					**	_____
Other Purchased Inputs & Services					209.44	_____
Seed/Transplants				47.44		_____
Other Services & Rentals				162.00		_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					736.83	_____
CASH HARVEST AND POST HARVEST EXPENSES						
Paid Labor (including benefits)					614.81	_____
Tractor/Self Propelled				217.74		_____
Other/Contract				397.08		_____
Farm Machinery and Vehicles					162.84	_____
Diesel Fuel				67.04		_____
Repairs & Maint.				95.80		_____
Other Materials					1,134.00	_____
TOTAL HARVEST AND POST HARVEST EXPENSE					1,911.66	_____
OPERATING OVERHEAD->PICKUP USE					11.56	_____
OPERATING INTEREST AT 9.0%					29.31	_____
TOTAL CASH OPERATING EXPENSES					\$2,689.35	=====
RETURNS OVER CASH OPERATING EXPENSES					(\$372.21)	=====

Notes: The above figures do not include ownership costs, see Table 7B on Next Page for detailed cost allocation.

** A water assessment charge of \$31.00/Acre is included in the ownership costs of Table 7B.

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Item	- CASH COST BASIS (\$/ACRE) -		- TOTAL COST BASIS (\$/ACRE) -	
	Income & Costs	Net Returns	Income & Costs	Net Returns
TOTAL INCOME at \$ 122.6000/Tn	\$2,317.14		\$2,317.14	
TOTAL OPERATING EXPENSES	2,689.35		2,689.35	
RETURN OVER CASH OPERATING EXPENSES		(\$372.21)		(\$372.21)
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	30.02		30.02	
Gen. & Off. Overhead (5% of Tot. Oper. Exp.)	134.46		134.46	
General Farm Maint. (3% of Tot. Oper. Exp.)	80.68		80.68	
Total Cash Overhead Expenses	245.16		245.16	
Total Cash Oper. & Over. Cost	2,934.52		2,934.52	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		(617.38)		(617.38)
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			148.68	
Interest on Equity, Machinery & Vehicles			28.20	
Total Capital Allocations			176.87	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK		(617.38)		
RETURNS TO LAND, MANAGEMENT & RISK				(794.26)
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		(1,023.38)		
RETURNS TO MANAGEMENT & RISK				(1,200.26)
Management Services (6% of Tot. Oper. Exp.)			161.36	
TOTAL OWNERSHIP COST	651.16		989.40	
TOTAL COST	\$3,340.52		\$3,678.76	
RETURN TO MANAGEMENT, CAPITAL & RISK		(\$1,023.38)		
RETURN TO RISK (PROFITS)				(\$1,361.62)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Tn)		\$142.29		\$142.29
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$34.45		\$52.34
BREAK-EVEN PRICE TO COVER TOTAL COST		\$176.74		\$194.64

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No.	First Month	Operation	Hours * -		Operating Costs (\$/Acre*)				Times	Tot. Cash Expense	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials				Total
1	Dec	Rip	0.300	0.333	3.36	2.70			6.06	1.3	7.88	L
2	Dec	Disk	0.150	0.167	1.91	1.36			3.27	2.0	6.55	L
3	Dec	Laser Level	0.225	0.250	2.50	2.03			4.53	2.0	9.06	L
4	Jan	Soil Fertility						12.00	12.00	1.0	12.00	G
5	Jan	Apply Fert/Ground	0.225	0.250	1.31	2.03		43.63	46.97	1.0	46.97	G
6	Jan	List	0.150	0.167	1.73	1.36			3.09	1.0	3.09	L
7	Jan	Shape Beds	1.200	1.333	12.55	10.82			23.37	2.0	46.74	L
8	Jan	Plant	0.514	0.571	4.99	4.63		58.12	67.74	1.0	67.74	L
9	Jan	Make Ditches	0.045	0.050	0.59	0.41			1.00	7.0	6.98	G
10	Jan	Dust Control	0.009	0.010	0.15	0.15			0.30	150.0	44.86	G
11	Jan	Irrigate		0.752		5.09			5.09	1.0	5.09	G
12	Jan	Knock Ditches	0.022	0.025	0.29	0.20			0.49	7.0	3.41	G
13	Feb	Cultivate	0.450	0.500	3.01	4.06			7.07	6.0	42.40	G
14	Feb	Thinning						75.00	75.00	1.0	75.00	G
15	Mar	Apply Fert/Ground	0.327	0.364	2.89	2.95		23.23	29.07	2.0	58.13	G
16	Mar	Apply Insect./Ground	0.225	0.250	1.53	2.03		13.35	16.91	6.0	101.47	G
17	Mar	Apply Herbicide/Ground	0.225	0.250	1.43	2.03		6.30	9.76	1.0	9.76	G
18	Mar	Incorporate Herbicide	0.514	0.571	3.72	4.63			8.35	1.0	8.35	G
19	Mar	Hand Weeding						75.00	75.00	1.0	75.00	G
20	Mar	Irrigate		0.333		2.25			2.25	4.0	9.00	G
21	Apr	Turn Fruit		4.500		28.93			28.93	2.0	57.86	G
22	Apr	Irrigate/Run Fertilizer		0.500		3.38		16.33	19.71	2.0	39.42	G
23	May	Cut Melons		8.000		54.14			54.14	4.0	216.56	H
24	May	Load Produce	6.000	13.334	40.23	99.22		283.50	422.95	4.0	1,691.81	H
25	May	Haul, Custom 17.0 Tn							0.00	1.0	0.00	H
26	Jun	Residue Disposal	0.150	0.167	1.91	1.36			3.27	1.0	3.27	P
		Pickup Use 50 Mi/Ac	1.670		11.55						11.55	O
		Operating Interest at 9.00%						29.30			29.30	O
TOTAL CASH OPERATING EXPENSES:					\$287.36	\$809.33	\$191.30	\$1,401.27			\$2,689.26	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 7B.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF NET REVENUES OVER TOTAL CASH EXPENSES (\$/Acre)						
		Prices ->		-25%	-10%	Budgeted	+10%	+25%
Land Preparation (L)	\$141.06							
Growing (G)	595.70							
Harvest (H)	1,908.36	Yields		\$91.95	\$110.34	\$122.60	\$134.86	\$153.25
Post Harvest (P)	3.27							Break-even
Marketing (M)	0.00	-25%	14.1	-907.95	-647.28	-473.49	-299.70	-39.03
Operating Overhead (O)	40.85	-10%	17.0	-934.02	-621.21	-412.67	-204.12	108.68
		Budgeted	18.9	-951.40	-603.83	-372.12	-140.40	207.16
		+10%	20.7	-968.78	-586.45	-331.57	-76.68	305.64
		+25%	23.6	-994.85	-560.38	-270.74	18.89	453.35
		Break-even Yield		-84.56	84.57	36.24	23.06	14.92
Total (T)	\$2,689.26							

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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	
DEC P			1.09		11.60	8.92					20.52
JAN C	1.0	18.0	4.74		37.72	38.21	54.31	47.44	12.00		189.68
FEB C			1.87		14.36	17.30			75.00		106.67
MAR C	2.0	8.0	8.72		25.47	64.41	56.22		75.00		221.10
APR C	2.0	12.0	6.64		12.17	47.32	66.25				125.74
MAY C	2.0	12.0	65.78		129.98	475.53	43.02	850.50			1,499.03
JUN C			21.70		45.13	157.74		283.50			486.36
Pickup Use 50 Mi/Ac					11.55						11.55
Operating Interest at 9.0%									29.34		29.34
Water Assessment				**							
Total	7.0	50.0	110.58		287.98	809.43	219.80	1,181.44	191.34		2,689.99
%					10.70	30.09	8.17	43.91	7.11		100.00

TOTAL RESOURCES REQUIREMENTS(/Acre)		TOTAL ENERGY REQUIREMENTS(/Acre)	
Total N	247.2 lbs	Diesel Fuel	150.2 Gal
Total P	183.1 lbs	Regular Gas	0.0 Gal
Total K	0.0 lbs	NonLead Gas	14.4 Gal
Total Labor	110.5 Hrs		
Total Water	50.0 AI	All Direct Energy	22.6 M BTU

EQUIPMENT REQUIREMENTS(/Acre)			
Tractor, 150 PTO HP, MFWD	3.39 Hrs	V-Ripper, 7 Shnk	0.39 Hrs
Offset Disk, 16.5'	0.45 Hrs	Tandem Disk, 12'	0.30 Hrs
Laser Receiver, Mast System	0.45 Hrs	Laser Trailer	0.45 Hrs
Fertilizer Broadcaster, Towed	0.23 Hrs	Lister, 5 Bottom	0.15 Hrs
Bed Shaper, 4 Rw	2.40 Hrs	Flexi-Planter - 4 Units	0.51 Hrs
Motor Grader, 12'	0.47 Hrs	Truck, 5 Ton w/1000 Gal Tank	1.35 Hrs
Fert. Side Dress Unit, 4Row	0.65 Hrs	Saddle Tk Sprayer, 2 Tk 8 Row	1.35 Hrs
Section Harrow, 3 Section	0.51 Hrs	Flat Trailer	24.00 Hrs
Pickup Truck, 1/2 Ton	1.67 Hrs		
		Tractor, 125 PTO HP, MFWD	0.45 Hrs
		Blade Scraper, 10'	0.45 Hrs
		Tractor, 80 PTO HP, MFWD	30.18 Hrs
		Border Disk, 6' Disk	2.40 Hrs
		Fertilizer Injector, 3 Row	0.51 Hrs
		Dbl. Gang Disk Cult, 1 Rw	3.21 Hrs
		Directed Spray Rig, 8 Row	0.23 Hrs
		Front End Loader	24.00 Hrs

MATERIALS REQUIREMENTS(/Acre)			
11-52-00, Dry	300.00 Lb	Watermelon Seed (OP)	3.00 Th
Water, District	50.00 AI	20-00-00, Amm. Nitrate, Dry	500.00 Lb
DCPA	1.20 Lb	32-00-00, URAN 32, Lqd	30.00 Ga
		10-34-00, Lqd	7.00 Ga
		BT	6.00 Lb
		Watermelon Bins	120.00 Ea

LABOR REQUIREMENTS(/Acre)			
Tractor	38.33 Hrs	Truck Driver	1.50 Hrs
Hand Weeders	9.00 Hrs	Clipper	16.00 Hrs
Loader/Watermelons	26.67 Hrs	Irrigators	3.08 Hrs
		Windrower, Melons	16.00 Hrs

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

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 AREA: Yuma Valley North YIELD: 18.9 Tn/Acre PREVIOUS CROP: Cotton, Upland DATE: 08/20/95

No.	Month	First Times	Operation	Equipment/Custom Oper.		Job Rate Acres/Hr	Material Use & Cost			Service Cost \$/Unit	Labor Type
				HP	Self-Prop./Implem.		Name	Appl. Rate	\$/Unit		
1	Dec	1.3	Rip	150	V-Ripper, 7 Shnk	3.00					Tractor
2	Dec	2.0	Disk	125	Offset Disk, 16.5'	6.00					Tractor
3	Dec	2.0	Laser Level	150	Blade Scraper, 10' Laser Receiver, Mast Sy Laser Trailer	4.00					Tractor
4	Jan	1.0	Soil Fertility		CST Soil Analysis (Surf					12.00 Ac	
5	Jan	1.0	Apply Fert/Ground	80	Fertilizer Broadcaster,	4.00	11-52-00, Dry	300.00 Lb	277.00 Tn		Tractor
6	Jan	1.0	List	150	Lister, 5 Bottom	6.00					Tractor
7	Jan	2.0	Shape Beds	150	Border Disk, 6' Disk Bed Shaper, 4 Rw	0.75					Tractor
8	Jan	1.0	Plant	80	Flexi-Planter - 4 Units Fertilizer Injector, 3	1.75	Watermelon Seed (O 10-34-00, Lqd	3.00 Th 7.00 Ga	15.06 Th 255.00 Tn		Tractor
9	Jan	7.0	Make Ditches		Motor Grader, 12'	20.00					Tractor
10	Jan	150.0	Dust Control		Truck, 5 Ton w/1000 Gal	100.00					Truck Dri
11	Jan	1.0	Irrigate			1.33	Water, District	18.00 AI	0.00 AF		Irrigator
12	Jan	7.0	Knock Ditches		Motor Grader, 12'	40.00					Tractor
13	Feb	6.0	Cultivate	80	Dbl. Gang Disk Cult, 1	2.00					Tractor
14	Feb	1.0	Thinning		CST Thinning					75.00 Ac	
15	Mar	2.0	Apply Fert/Ground	80	Fert. Side Dress Unit,	2.75	20-00-00, Amm. Nit	250.00 Lb	177.00 Tn		Tractor
16	Mar	6.0	Apply Insect./Ground	80	Saddle Tk Sprayer, 2 Tk	4.00	BT	1.00 Lb	12.71 Lb		Tractor
17	Mar	1.0	Apply Herbicide/Groun	80	Directed Spray Rig, 8	4.00	DCPA	1.20 Lb	5.00 Lb		Tractor
18	Mar	1.0	Incorporate Herbicide	80	Dbl. Gang Disk Cult, 1 Section Harrow, 3 Secti	1.75					Tractor
19	Mar	1.0	Hand Weeding		CST Hand Weeding					75.00 Ac	
20	Mar	4.0	Irrigate			3.00	Water, District	4.00 AI	0.00 AF		Irrigator
21	Apr	2.0	Turn Fruit			0.20					Hand Weed
22	Apr	2.0	Irrigate/Run Fertiliz			2.00	32-00-00, URAN 32, Water, District	15.00 Ga 8.00 AI	187.50 Tn 0.00 AF		Irrigator
23	May	4.0	Cut Melons			0.25					Clipper Windrower
24	May	4.0	Load Produce	80	Flat Trailer Front End Loader	0.15	Watermelon Bins	30.00 Ea	9.00 Ea		Tractor Loader/Wa
25	May	1.0	Haul, Custom		CST Haul Watermelons					0.00 Tn	
26	Jun	1.0	Residue Disposal	125	Offset Disk, 16.5'	6.00					Tractor
			Pickup Use 50 Mi/Ac		Pickup Truck, 1/2 Ton	0.60					

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

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