COUNTY: Pinal FARM: Pinal Vegetables 98 WATER SOURCE: Maricopa-Stanfield Irrig. TILLAGE: Double Crop Sandy-Loam 11/23/98 CROP: Cantaloupes ACRES: IRRIGATION SYSTEM: Flood Furrow SOIL: 1.0 Maricopa YIELD: 212.0 Ct / Acre DATE: AREA: PREVIOUS CROP: Cotton, Upland

ltem	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME Melons	Crtn	212.00	\$11.03	\$2,338.36	\$2,338.36	
CASH LAND PREPARATION AND (Paid Labor (including benefits) Tractor/Self Propelled Irrigation Other/ Contract	GROWING EXPENSES (in	cluding sales tax)		40.99 45.52 4.44	90.94	
Chemicals and Custom Application Fertilizer Herbicide	ons			129.65 50.51	180.16	
Farm Machinery and Vehicles Diesel Fuel Repairs and Maintenance				16.26 25.86	42.12	
Irrigation Water (excluding labor) Water Assessment (See Note Be					111.67	
Other Purchased Inputs & Seed/Transplants Other Services and Rentals				20.06 243.00	263.06	
	TOTAL CASH LAND PRE	PARATION AND GROW	ING EXPENSES		687.94	
CASH HARVEST AND POST HARV	EST EXPENSES					
Custom Harvest/Post Harvest Other Materials					418.60 157.30	
	TOTAL HARVEST AND P	OST HARVEST EXPEN	SE		575.90	
	JP USE				7.71	
OPERATING INTEREST AT 10.0%					19.99 	
	TOTAL CASH OPERATIN RETURNS OVER CASH	IG EXPENSES I OPERATING EXPENS	ES		\$1,291.54 \$1,046.82	
Notes: The above figures do not					. ,	

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

ARIZONA COOPERATIVE EXTENSION
Department of Ag and Resource Economics
University of Arizona F 23 / 172

^{**} A water assessment charge of \$12.50 per Acre is included as an ownership cost in Table B.

COUNTY:Pinal FARM: Pinal Vegetables 98 WATER SOURCE: Maricopa-Stanfield Irrig. TILLAGE: Double Crop ACRES: CROP: Cantaloupes IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam 1.0 11/23/98 AREA: Maricopa YIELD: 212.0 Ct / Acre PREVIOUS CROP: DATE: Cotton, Upland

Item	CASH COST BASI	S (\$/ACRE) Net Returns	TOTAL COST BAS	SIS (\$/ACRE) Net Returns
		14GE INGENTIES		Not Noturns
TOTAL INCOME at \$11.03 / Ct	\$2,338.36		\$2,338.36	
TOTAL OPERATING EXPENSES RETURN OVER CASH OPERATING EXPENSES	\$1,291.54	\$1,046.82	\$1,291.54	\$1,046.82
CASH OVERHEAD EXPENSES Taxes, Housing and Insurance, Farm Machinery General and Office Overhead (5.0% of Total Operating Exp.) General Farm Maintenance (3.0% of Total Operating Exp.)	4.99 64.58 38.75	. ,	4.99 64.58 38.75	
Total Cash Overhead Expenses	108.31		108.31	
Total Cash Operating and Overhead Cost RETURNS OVER CASH OPER. AND OVER. EXPENSES	1,399.85	\$938.51	1,399.85	\$938.51
CAPITAL ALLOCATIONS (100% Equity) Capital Replacement, Machinery and Vehicles Interest on Equity, Machinery and Vehicles			27.64 12.08	
Total Capital Allocations RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK RETURNS TO LAND, MANAGEMENT AND RISK	>	· \$938.51	39.72	\$898.79
Land Cost / Rent or Lease Land Cost / Ownership (100% Equity) Property Taxes (\$447.00 X 16.0% X 0) Opportunity Interest on Land (100% X 6.0 X \$447.00)	100.00		100.00	
Water Assessment	12.50		12.50	
Total Land Costs	112.50		112.50	
RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO MANAGEMENT AND RISK	>	\$826.01 	>	\$786.29
Management Services (8% of Total Operation Expenses)			103.32	
TOTAL OWNERSHIP COST	220.81		363.86	
TOTAL COST	\$1,512.35		\$1,655.40	
RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO RISK (PROFITS)	>	\$826.01 	>	\$682.96
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb) BREAK-EVEN PRICE TO COVER OWNERSHIP COST BREAK-EVEN PRICE TO COVER TOTAL COST		\$6.09 \$1.04 \$7.13		\$6.09 \$1.72 \$7.81

COUNTY:Pinal FARM: Pinal Vegetables 98 WATER SOURCE: TILLAGE: Double Crop Maricopa-Stanfield Irrig. CROP: Cantaloupes ACRES: IRRIGATION SYSTEM: Flood Furrow 1.0 SOIL: Sandy-Loam YIELD: 212.0 Ct / Acre PREVIOUS CROP: 11/23/98 AREA: Maricopa Cotton, Upland DATE:

	First Hours * Operating Costs (\$/ACRE *) Per Operation Tot. Cash											
No.	Month	Operation	Machine	Labor	Fuel/Rps.		ust/Serv. í		Total	Times	Expense	Class
1	Feb	Disk	0.150	0.167	2.39	1.37			3.76	2.0	7.51	L
2	Feb	Plow	0.450	0.500	6.35	4.09			10.44	1.0	10.44	L
3	Feb	Laser Level	0.450	1.000	4.37	7.51			11.87	0.5	5.94	L
4	Feb	Soil Fertility					3.00		3.00	1.0	3.00	G
5	Feb	Apply Fert/Ground	0.180	0.200	1.39	1.64		34.98	38.01	1.0	38.01	G
6	Feb	Apply Herbicide/Ground	0.225	0.250	1.42	2.05		50.51	53.98	1.0	53.98	G
7	Feb	Incorporate Herbicide	0.225	0.250	2.25	2.05			4.30	1.0	4.30	G
8	Feb	List	0.225	0.250	1.97	2.05			4.02	1.0	4.02	L
9	Mar	Plant	0.360	0.800	4.98	6.01		20.06	31.04	1.0	31.04	L
10	Mar	Buck Rows	0.023	0.025	0.10	0.20			0.30	6.0	1.81	G
11	Mar	Irrigate		0.667		4.55		11.17	15.72	10.0	157.18	G
12	Mar	Disk Ends	0.023	0.025	0.14	0.20			0.34	6.0	2.04	G
13	Mar	Cultivate	0.225	0.250	1.46	2.05			3.51	6.0	21.03	G
14	Mar	Apply Fert/Ground	0.257	0.286	2.87	2.34		54.71	59.93	1.0	59.93	G
15	Mar	Thinning					75.00		75.00	1.0	75.00	G
16	Apr	Hand Weeding					75.00		75.00	2.0	150.00	G
17	Apr	Apply Fert/Ground	0.257	0.286	2.87	2.34		39.96	45.18	1.0	45.18	G
18	Apr	Pollinate					15.00		15.00	1.0	15.00	G
19	May	Pick and Load 212 Ct					328.60	157.30	485.90	1.0	485.90	Н
20	May	Haul, Custom 360 Ct					90.00		90.00	1.0	90.00	Н
21	May	Disk Residue 360 Ct	0.180	0.200	1.89	1.64			3.53	1.0	3.53	L
		Pickup Use30 Mi/Acre	1.000		7.71						7.71	
		Operating Interest at 10.0					19.99				19.99	
TOT	AL CASH	OPERATING EXPENSES	(includes a	II times over	50.80	90.94	681.59	469.19			1291.54	Т

*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 \$12.50 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY BY CLASS		SENSITIVIT	SENSITIVITY OF THE NET REVENUES OVER TOTAL CASH EXPENSES (\$/ACRE)								
Land Preparation (L)	62.47	Prices		- 25%	- 10%	Budgeted	+ 10%	+ 25%			
Growing (G) Harvest (H)	625.47 575.90	Yields		\$8.27	\$9.93	\$11.03	\$12.13	\$13.79	Break-even Price		
Post Harvest (P)	0.00	- 25%	159.0	169.26	432.33	607.71	783.08	1,046.15	7.21		
Marketing (M)	0.00	- 10%	190.8	345.94	661.62	872.07	1,082.53	1,398.20	6.46		
Operating Overhead (O)	27.70	Budgeted	212.0	463.73	814.48	1,048.32	1,282.16	1,632.91	6.09		
Total (T)	\$1,291.54	+ 10%	233.2	581.52	967.35	1,224.56	1,481.78	1,867.61	5.78		
		Break-even \	Yield	128.53	99.04	85.90	75.84	64.51			

COUNTY:Pinal FARM: Pinal Vegetables 98 WATER SOURCE: Maricopa-Stanfield Irrig. TILLAGE: Double Crop CROP: Cantaloupes ACRES: Sandy-Loam 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: YIELD: 11/23/98 AREA: Maricopa 212.0 Ct / Acre PREVIOUS CROP: Cotton, Upland DATE:

APR C 3.0 1		Purchased Water 44.67 33.50 33.50	Fuel, Oil and Repairs 19.62 15.51 4.46 1.65	39.16 30.58 12.55	85.00 54.22	Other Purchases	Services 3.00	Total 146.78
MAR C 4.0 1 APR C 3.0 1 MAY C 3.0 1 JUN C Pickup Use30 Mi/Acre Operating Interest at 10.0	6.0 4.58 2.0 2.91 2.0 2.35	33.50	15.51 4.46	30.58		00.00		146.78
APR C 3.0 1 MAY C 3.0 1 JUN C Pickup Use30 Mi/Acre Operating Interest at 10.0	2.0 2.91 2.0 2.35	33.50	4.46		54.22	00.00		
MAY C 3.0 1 JUN C Pickup Use30 Mi/Acre Operating Interest at 10.0	2.0 2.35			12.55		20.06	75.00	240.04
JUN C Pickup Use30 Mi/Acre Operating Interest at 10.0		33.50	1 65	12.55	39.96		165.00	255.47
Pickup Use30 Mi/Acre Operating Interest at 10.0	0.20			7.01		78.65	205.00	325.81
Operating Interest at 10.0		1	1.85	1.64		78.65	213.60	295.74
			7.71					7.71
Water Assessment							19.99	19.99
Water Addeddinent		**						
Total 10.0 40.0	12.33	111.67	50.80	90.94	179.18	177.36	681.59	1291.54
%		8.65	3.93	7.04	13.87	13.73	52.77	100.00
TOTAL RESOURCE REQUIREM	MENTS (per Acre)	TOTAL ENER	GY REQUIREME	NTS (per A	cre)			
Total N 101	.9	Diesel Fue	el	21.4 Gal				
Total P 152	2.6	Unleaded	Gas	3.0 Gal				
Total K 28	3.3	All Direct E	Enerav	3.3 M E	BTU			
Total Labor 12	2.3		- 37					
Total Water 40	0.0							
	, , ,							
EQUIPMENT REQUIREMENTS	\	0 111 1 0 4			D: 1 10	D: 0	0.00.11	
Bed Shaper, 4 Rw	0.36 Hr	Cultivator, Sweep, 4		5 Hr		pray Rig, 8	0.22 Hr	
Drag Scraper, 10' Laser, Complete System	0.22 Hr 0.22 Hr	Fertilizer Broadcaste Lister, 5 Bottom		3 Hr 2 Hr		njector, 4 Row I Plow, 4-16 2	0.51 Hr 0.45 Hr	
Offset Disk, 10.5'	0.22 HI 0.14 Hr	Offset Disk, 12'		2 Hr	Offset Dis		0.45 Hr	
Offset Disk, 18'	0.30 Hr	Pickup Truck, 1/2 To		- ''') Hr		rill Type, 4 Row	0.16 Hr	
Rowbuck, 10'	0.14 Hr	Tractor, 50 PTO HF		3 Hr		0 PTO HP,	1.57 Hr	
Tractor, 100 PTO HP,	1.68 Hr	Tractor, 125 PTO H		2 Hr		50 PTO HP,	0.75 Hr	
MATERIAL S DECLUREMENT /	oor Aoro)							
MATERIALS REQUIREMENT (10-10-05, Lgd	ger Acre) 30.00 Ga	11-48-00, Dry	200.00) lh	15-08-04,	Lad	30.00 Ga	
Bensulide	10.00 Ga	Cantaloupe Cartons			Cantaloup		2.00 Lb	
Water, District	40.00 AI	Cantaloupe Cartons	212.00	, 01	Caritaioup	c ou	2.00 LD	
LABOR REQUIREMENT (per A		Other	0.00	- 11-	Tuester		E 04 11:	
Irrigators	6.67 Hr	Other	0.65	5 Hr	Tractor		5.01 Hr	

^{*}NOTE: P = Previous Year C = Current Year N = Next Year

ARIZONA COOPERATIVE EXTENSION
Department of Ag and Resource Economics
University of Arizona F 23 / 172

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	First			Equipment/ Custom Oper	Job Rate	Material	Use and Cost		Se	ervice Cost	Labor
No	.Month T	imes	Operation	HP Self-Prop./ Implement	Acres/Hr	Name	Appl. Ra	te \$ / Un	it	\$ / Unit	Туре
1	Feb	2 0	Disk	150 Offset Disk. 18'	6.00					-	Fractor
2	Feb		Plow	150 Moldboard Plow, 4-16 2	2.00						Tractor
3	Feb		Laser Level	125 Drag Scraper, 10'	2.00					-	Fractor
-				Laser, Complete System						(Other
4	Feb	1.0	Soil Fertility	CST Soil Analysis (Surface)						3.00 Ac	
5	Feb		Apply Fert/Ground	100 Fertilizer Broadcaster,	5.00	11-48-00, Dry	200.00 Lb	330.00	Tn	•	Γractor
6	Feb			70 Directed Spray Rig, 8 Row	4.00	Bensulide	10.00 Pt	38.12	Ga	-	Γractor
7	Feb		Incorporate Herbicide	100 Offset Disk, 12'	4.00					-	Γractor
8	Feb		List	100 Lister, 5 Bottom	4.00					-	Γractor
9	Mar	1.0	Plant	100 Planter, Drill Type, 4 Row	2.50	Cantaloupe Sd	2.00 Lb	9.46	Lb	-	Γractor
				Bed Shaper, 4 Rw						(Other
10	Mar	6.0	Buck Rows	50 Rowbuck, 10'	40.00					-	Γractor
11	Mar	10.0	Irrigate		1.50	Water, District	4.00 AI	33.50	AF	I	rrigators
12	Mar	6.0	Disk Ends	50 Offset Disk, 10.5'	40.00					-	Γractor
13	Mar	6.0	Cultivate	70 Cultivator, Sweep, 4 Rw	4.00					-	Γractor
14	Mar	1.0	Apply Fert/Ground	100 Fertilizer Injector, 4 Row	3.50	15-08-04, Lqd	30.00 Ga	310.00	Tn	-	Γractor
15	Mar	1.0	Thinning	CST Thinning						75.00 Ac	
16	Apr	2.0	Hand Weeding	CST Thinning						75.00 Ac	
17	Apr	1.0	Apply Fert/Ground	100 Fertilizer Injector, 4 Row	3.50	10-10-05, Lqd	30.00 Ga	251.33	Tn	-	Γractor
18	Apr	1.0	Pollinate	CST Bee Hive Rental						15.00 Ac	
19	May	1.0	Pick and Load	CST Cut & Load Melons		Cantaloupe Cartons	212.00 Ct	0.70	Ct	1.55 Ct	
20	May		Haul, Custom	CST Haul Melons						0.25 Ct	
21	May	1.0	Disk Residue	100 Offset Disk, 13.5'	5.00					-	Γractor
			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.

ARIZONA COOPERATIVE EXTENSION
Department of Ag and Resource Economics
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