COUNTY: Pima FARM: Pim CROP: Lettuce, Iceberg ACRES: AREA: Marana YIELD:	a County Farm 1.0 210.2 Ct/Acre	IR	TER SOURCE: RIGATION SYSTEM EVIOUS CROP:	MaraE : Flood Furrow Cotton, Upland	SOIL:	Conventional Sandy-Loam 10/14/96
Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Lettuce	Crtn	210.20	\$14.7400	\$3,098.35	\$3,098.35	
CASH LAND PREPARATION AND GROWING EXPENS	ES (including sal	les tax)				
Paid Labor (including benefits)	_				79.15	
Tractor/Self Propelled				41.81		
Irrigation				37.33		
Chemicals & Custom Applications					279.11	
Fertilizers				132.93		
Insecticides				67.02		
Herbicides				79.17		
Farm Machinery and Vehicles					47.81	
Diesel Fuel				20.78		
Repairs & Maint.				27.02		
Irrigation (excluding labor)					175.65	
Pump Energy - Elect.				158.35		
Repairs & Maint.				17.29		
Other Purchased Inputs & Services					368.88	
Seed/Transplants				68.88		
Other Services & Rentals				300.00		
TOTAL CASH LAND	PREPARATION AND	GROWING EXPE	NSES	-	950.59	
CASH HARVEST AND POST HARVEST EXPENSES Other Materials					446.25	
Other Materials					440.25	
TOTAL HARVEST A	ND POST HARVEST E	EXPENSE		-	446.25	
OPERATING OVERHEAD->PICKUP USE					15.07	
OPERATING INTEREST AT 9.0%					7.62	
TOTAL CASH OPER	ATING EXPENSES			=	======== \$1,419.53	
RETURNS OVER	CASH OPERATING EX	(PENSES			\$1,678.82	

Notes: The above figures do not include ownership costs, see Table 11B on Next Page for detailed cost allocation.

COUNTY: Pima FARM: Pima County Farm CROP: Lettuce, Iceberg ACRES: 1.0 AREA: Marana YIELD: 210.2 Ct/Acre	WATER SOURCE: IRRIGATION SYSTEM: PREVIOUS CROP:	MaraE Flood Furrow Cotton, Upland	TILLAGE: Conventional SOIL: Sandy-Loam DATE: 10/14/96
Item	- CASH COST BASIS (\$/ACRE) Income & Costs Net Retur		COST BASIS (\$/ACRE) -
TOTAL INCOME at \$ 14.7400/Ct TOTAL OPERATING EXPENSES RETURN OVER CASH OPERATING EXPENSES	\$3,098.35 1,419.52 \$1,678.8	\$3,098   1,419	
CASH OVERHEAD EXPENSES  Taxes, Housing & Insur., Farm Machinery Wells & Irrig. System  Gen. & Off. Overhead ( 5% of Tot. Oper. Exp.) General Farm Maint. ( 3% of Tot. Oper. Exp.)  Total Cash Overhead Expenses	5.46 11.33 70.97 42.59	11   70   42	5.46 1.33 1.97 2.59
Total Cash Oper. & Over. Cost RETURNS OVER CASH OPER. & OVER. EXPENSES.	1,549.88 1,548.4	   1,549 	9.88 1,548.46
CAPITAL ALLOCATIONS (100% Equity) Capital Replacement, Machinery & Vehicles Wells & Irrig. System Interest on Equity, Machinery & Vehicles Wells & Irrig. System		j 33 j 11	9.78 3.24 1.68 3.09
Total Capital Allocations RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK ————— RETURNS TO LAND, MANAGEMENT & RISK ————————————————————————————————————	————>    1,548.4	92	<del>2.79</del>
LAND COSTS / OWNERSHIP (100% Equity) Property Taxes (\$540 X 16% X .14778) Opport. Inter. on Land (100% X 6.0% X \$540)	12.76	•	2.76 2.40
Total Land Costs  RETURNS TO MANAGEMENT, CAPITAL & RISK ————————————————————————————————————	12.76 ————————————————————————————————————		5.16 > 1,410.50
Management Services ( 8% of Tot. Oper. Exp.)		   113	3.56
TOTAL OWNERSHIP COST	143.12		88
TOTAL COST  RETURN TO MANAGEMENT, CAPITAL & RISK ————————————————————————————————————	\$1,562.65 \$1,535.6	======   \$1,801 59	
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Ct) BREAK-EVEN PRICE TO COVER OWNERSHIP COST BREAK-EVEN PRICE TO COVER TOTAL COST	\$6.7 \$0.6 \$7.4	75   68	\$6.75 \$1.81 \$8.56

COUNTY: Pima FARM: Pima County Farm WATER SOURCE: MaraE TILLAGE: Conventional CROP: Lettuce, Iceberg ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam AREA: Marana YIELD: 210.2 Ct/Acre PREVIOUS CROP: Cotton, Upland DATE: 10/14/96

	First		— Hou	rs * -		- Operat	ing Costs			Tot. Cash	1	
No.	Month	Operation	Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials	Total	Times	Expense	Class
1	Jun	Disk	0.225	0.250	3.21	2.10			5.31	2.0	10.63	L
2	Jun	Plow	0.360	0.400	5.82	3.36			9.18	1.0	9.18	L
3	Jun	Landplane	0.257	0.286	3.18	2.41			5.59	2.0	11.17	L
4	Jul	Apply Fert/Ground	0.075	0.083	0.33	0.70		85.31	86.34	1.0	86.34	G
5	Jul	Apply Herbicide/Ground	0.225	0.250	3.28	2.10		79.16	84.54	1.0	84.54	G
6	Jul	Buck Rows	0.023	0.050	0.09	0.21			0.30	2.0	0.61	G
7	Jul	Shovel Ends		0.067		0.47			0.47	2.0	0.94	G
8	Jul	Preirrigate		1.000	42.18	7.01			49.19	1.0	49.19	G
9	Aug	Disk Ends	0.011	0.013	0.16	0.11			0.27	2.0	0.53	G
10	Aug	List	0.225	0.250	3.87	2.10			5.97	1.0	5.97	L
11	Aug	Plant	0.300	0.333	3.41	2.80		68.88	75.09	1.0	75.09	L
12	Aug	Irrigate		0.599	21.09	4.20			25.29	7.0	177.03	G
13	Sep	Roll Beds	0.129	0.143	0.69	1.20			1.89	1.0	1.89	L
14	Sep	Thinning					75.00		75.00	1.0	75.00	G
15	Sep	Apply Insecticide/Air					6.00	3.09	9.09	3.0	27.27	G
16	Sep	Cultivate	0.300	0.333	1.89	2.80			4.69	3.0	14.07	G
17	Sep	Apply Fert/Ground	0.300	0.333	4.31	2.80		23.81	30.92	2.0	61.85	G
18	Oct	Hand Weeding					75.00		75.00	3.0	225.00	G
19	Oct	Apply Insecticide/Air					6.00	7.24	13.24	3.0	39.72	G
20	Nov	Harvest NOT FOUND						446.25	446.25	1.0	446.25	H
21	Nov	Make Ditches	0.045	0.500	0.25	4.20			4.45	1.0	4.45	G
22	Dec	Disk Residue	0.180	0.200	2.57	1.68			4.25	1.0	4.25	L
		Pickup Use 60 Mi/Ac	2.000		15.06						15.06	0
		Operating Interest at 9.009	\$				8.93				8.93	0
		TOTAL CASH OPERATING EXPENSE	ES:		\$252.68	\$79.15	\$344.93	\$758.21			\$1,434.97	T

<sup>\*</sup> 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.

OPERATING COST SUMMARY BY Land Preparation (L)	\$118.17	   Prices ->	SENS	ITIV 	ITY OF NET -25%	REVENUES -10%	OVER TOTAL Budgeted		NSES (\$/Aci +25%	ce)
Growing (G) Harvest (H)	846.54 446.25	<del></del>   Yields		ļ.	\$11.05	\$13.26	\$14.74	\$16.21	\$18.42	Break-even
Post Harvest (P) Marketing (M)	0.00	   -25%	157.6	-	419.40	767.97	,	,	,	8.39
Operating Overhead (O)	23.99	-10%   Budgeted	189.1 210.2		701.03 888.78	1,119.31 1,353.53	1,398.16 1,663.37	,	,	7.34 6.82
Total (T)	\$1,434.97	+10%   +25%	231.2 262.7		1,076.53 1,358.16	1,587.76 1,939.10	1,928.58 2,326.39	2,269.40 2,713.69	,	6.39 5.88
		Break-even	Yield	ĺ	110.69	88.73	78.36	70.16	60.65	

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COUNTY:		_		County Farm		WATER SOU		MaraE			LLAGE: C		
CROP:	Lettuce,	Iceberg	ACRES:	1.0			N SYSTEM:						Loam
AREA:	Marana		YIELD:	210.2 Ct/Acre	1	PREVIOUS	CROP:	Cotton,	Upland	DA	TE: 1	0/14/	96
		Water					perating	Cost (\$/	Acre) -				
	Number	Applied	Total	Purchased	Fuel, Oil			,,,	Othe:	r			
Month *	Irrig.		Labor (Hrs)	Water	& Repair		or Che	micals	Purchas	ses	Service	s	Total
JUN C			1.18	1	15.43	9.97					2.	5.40	
JUL C	1.0	12.0	1.73	İ	49.06	12.89	164.4	7			22	6.43	
AUG C	1.0	6.0	1.31	İ	28.62	9.89		6	8.88		10	7.39	
SEP C	2.0	12.0	2.35	İ	51.12	18.11	33.0	9		93.00	19	5.32	
OCT C	2.0	12.0	1.86	İ	48.38	14.00	38.3	0		162.00	26	2.68	
NOV C	2.0	12.0	1.69	i	42.43	12.60	7.2		6.25	81.00		9.53	
DEC C			0.20	i	2.57	1.68						4.25	
	Use 60 M	i/Ac	**-*	'	15.06							5.06	
		st at 9.0%								8.93		8.93	
Total	8.0	54.0	10.34	1	252.68	79.15	243.1	0 51	5.13	344.93	1,43	4.99	
8				i	17.60	5.51	16.9	4 3	5.89	24.03	,	0.00	
TOTAL R	ESOURCES 1	REQUIREMENTS	(/Acre)	TOTAL ENERGY F	REQUIREMENTS	S(/Acre)							
Total	N	196.6 lbs		Diesel Fuel		24.1	Gal						
Total	P	240.0 lbs		Regular Gas		0.0	Gal						
Total	K	0.0 lbs		NonLead Gas		6.0	Gal						
Total	Labor	10.3 Hrs		Electricity/	Pumping	2,730.6	KWH						
Total	Water	54.0 AI		All Direct E	Energy	13.4	M BTU						
EQUIPME	NT REQUIR	EMENTS (/Acre											
Tract	or, 150 P	TO HP, MFWD	2.58 Hrs	Offset Disk, 1	L3.5'		0.65 Hrs	Moldboa	rd Plow,	4-16 2	Way	0.	36 Hr
Landp.	lane 12'X	45'	0.51 Hrs	Tractor, 50 H	TO HP, MFW	D	0.12 Hrs	Fertili	zer Broad	dcaster	, Towed	0.	08 Hr
Fert.	Side Dre	ss Unit, 6Ro	w 0.23 Hrs	Rowbuck, 10'			0.05 Hrs	Disk-Li	ster, 6 1	Rw		0.	23 Hr
Tracte	or, 70 P	TO HP, MFWD	1.37 Hrs	Bed Shaper, 4	Rw		0.30 Hrs	Planter	/Gramor,	4 Bd,8	Line/Be	0.	30 Hr
Bed Re	oller, 4	Rw	0.13 Hrs	Rolling Cultiv	ator, 4 Rw		0.90 Hrs					0.	60 Hr
	Scraper,			Pickup Truck,			2.00 Hrs						
MATERIA	LS REQUIR	EMENTS (/Acre	)										
11-48	-00, Dry		500.00 Lb	Benefin			2.00 Pt	Pronami	de			2.	00 Lb
Water	, Pump		54.00 AI	Head Lettuce S	3d	16	0.00 Th	Methomy	1			1.	50 Pt
32-00	-00, URAN	32, Lqd	40.00 Ga	Cypermethrin		1	2.00 Oz	Lettuce	Cartons			425.	00 Ct
	EQUIREMEN'	TS(/Acre)											
Tract	or		œ 4.97 Hrs	Irrigators			5.33 Hrs						

<sup>\*</sup> NOTE: P = Previous Year C = Current Year N = Next Year

Table 11E. Schedule of Operations; Fall Lettuce, 1996

COU CRO ARE		Pima Lettuce, Iceberg Marana	FARM: 1 ACRES: YIELD:	Pima County Farm 1.0 210.2 Ct/Acre	II	ATER SOURCE: RRIGATION SYSTEM: REVIOUS CROP:	MaraE Flood Furrow Cotton, Upla	· <del>-</del>	TILLAGE: SOIL: DATE:	Conventional Sandy-Loam 10/14/96
No.	Firs Mont	t Times Operation	E¢ HP	quipment/Custom Oper. Self-Prop./Implem.	Job Rat Acres/H		rial Use & Co Appl. Rate	st — \$/Uni	Service ( t \$/Unit	
1	Jun	2.0 Disk	150	Offset Disk, 13.5'	4.00					Tractor
2	Jun	1.0 Plow	150	Moldboard Plow, 4-16 2	2.50					Tractor
3	Jun	2.0 Landplane	150	Landplane 12'X 45'	3.50					Tractor
4	Jul	1.0 Apply Fert/Groun	d 50	Fertilizer Broadcaster,	12.00	11-48-00, Dry	500.00 Lb	325.00	Tn	Tractor
5	Jul	1.0 Apply Herbicide/	Groun150	Fert. Side Dress Unit,		Benefin	2.00 Pt	14.95	Ga	Tractor
						Pronamide	2.00 Lb	22.75	Lb	
6	Jul	2.0 Buck Rows	50	Rowbuck, 10'	40.00					Tractor
7	Jul	2.0 Shovel Ends			15.00					Irrigator
8	Jul	1.0 Preirrigate			1.00	Water, Pump	12.00 AI	42.18	AF	Irrigator
9	Aug	2.0 Disk Ends	150	Offset Disk, 13.5'	80.00	· -				Tractor
10	Aug	1.0 List	150	Disk-Lister, 6 Rw	4.00					Tractor
11	Aug	1.0 Plant	70	Bed Shaper, 4 Rw	3.00	Head Lettuce Sd	160.00 Th	0.41 5	Th	Tractor
	_			Planter/Gramor, 4 Bd,8						
12	Aug	7.0 Irrigate			1.67	Water, Pump	6.00 AI	42.18	AF	Irrigator
13	Sep	1.0 Roll Beds	70	Bed Roller, 4 Rw	7.00					Tractor
14	Sep	1.0 Thinning		CST Thinning					75.00	Ac
15	Sep	3.0 Apply Insecticid	e/Air	CST Air Spray, 3 Gal Mi		Methomyl	0.50 Pt	47.16	Ga 6.00	Ac
16	Sep	3.0 Cultivate	70	Rolling Cultivator, 4 R	3.00	_				Tractor
17	Sep	2.0 Apply Fert/Groun	d 150	Fert. Side Dress Unit,	3.00	32-00-00, URAN 32	2, 20.00 Ga	205.00	Tn	Tractor
18	Oct	3.0 Hand Weeding		CST Hand Weeding					75.00	Ac
19	Oct	3.0 Apply Insecticid	e/Air	CST Air Spray, 3 Gal Mi		Cypermethrin	4.00 Oz	220.75	Ga 6.00	Ac
20	Nov	1.0 Harvest		CST		Lettuce Cartons	425.00 Ct	1.00	Ct 0.00	
21	Nov	1.0 Make Ditches	70	Blade Scraper, 10'	20.00					Tractor
22	Dec	1.0 Disk Residue	150	Offset Disk, 13.5'	5.00					Tractor
		Pickup Use 60 M	i/Ac	Pickup Truck, 1/2 Ton	0.50					

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

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