

823

JALAPENO PEPPERS, IRRIGATED, RIO GRANDE VALLEY
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
JALAPENOS	160.00	CWT.	20.00	3200.00	_____
TOTAL PROJECTED RETURNS				\$ 3200.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SEED-JALAPENO	3.00	LB.	25.00	75.00	_____
*NITROGEN (DRY)	100.00	LB.	0.25	25.00	_____
*PHOSPHATE	60.00	LB.	0.25	15.00	_____
*HERBICIDE	2.00	ACRE	35.75	71.50	_____
*INSECTICIDE	15.00	APPL	5.15	77.25	_____
PESTICIDE APPL.	15.00	ACRE	3.50	52.50	_____
*IRRIGATION WATER	10.00	APPL	8.00	80.00	_____
IRRIGATION WATER	60.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		26.84	_____
EQUIPMENT		ACRE		1.45	_____
REPAIRS-----TRACTOR		ACRE		10.81	_____
EQUIPMENT		ACRE		9.16	_____
LABOR-----MACHINERY	6.11	HOUR	4.50	27.51	_____
IRRIGATION	60.00	HOUR	4.50	270.00	_____
EQUIPMENT	0.63	HOUR	4.50	2.83	_____
OPERATING CAPITAL	25.99	DOL.	0.150	3.90	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 748.75	\$ _____
HARVEST COSTS					
HARVEST	160.00	CWT.	7.00	1120.00	_____
PACK & COUNT	160.00	CWT.	1.35	216.00	_____
MARKETING	160.00	CRTN	0.40	64.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 1400.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 2148.75	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 13.43/CWT.	JALAPENOS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 1051.25	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		35.24	_____
EQUIPMENT		ACRE		22.29	_____
LAND-CASH RENT	1.00	ACRE	90.00	90.00	_____
TOTAL FIXED COSTS		ACRE		\$ 147.53	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 2296.28	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 14.35/CWT.	JALAPENOS	
6. NET PROJECTED RETURNS		ACRE		\$ 903.72	\$ _____

INFORMATION PRESENTED IS PREPARED SOLELY AS A GENERAL GUIDE AND IS NOT INTENDED TO RECOGNIZE OR PREDICT THE COSTS AND RETURNS FROM ANY ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

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JALAPENO PEPPERS, IRRIGATED, RIO GRANDE VALLEY
 1985 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER 4R	5,46	DEC	1.00	0.283	0.214	1.24	1.27	0.0	2.11	4.62
MOLDBOARD PLOW	1,31	DEC	1.00	0.451	0.342	6.22	2.03	0.0	5.49	13.75
CHISEL PLOW	4,33	DEC	1.00	0.168	0.127	1.13	0.76	0.0	1.50	3.39
OFFSET DISC	1,38	DEC	1.00	0.210	0.159	2.78	0.95	0.0	2.72	6.44
FLOAT PLANE	4,45	DEC	1.00	0.216	0.164	1.30	0.97	0.0	2.15	4.42
BEDDER 6R	1,35	JAN	2.00	0.302	0.229	3.80	1.36	0.0	3.19	8.35
FERT. APPL, RNTD	2,59	JAN	1.00	0.203	0.154	1.95	0.91	17.50	1.37	21.73
ROTOVATOR 4R	1,42	JAN	1.00	0.233	0.176	3.21	1.05	0.0	2.83	7.08
HERB SPRAYR 6R	4,47	JAN	1.00	0.209	0.159	1.27	0.94	35.75	1.63	39.59
STANHAY PLANTR	1,58	JAN	1.00	0.310	0.235	5.86	1.40	75.00	3.71	85.97
DITCHER BLADE	5,48	JAN	1.00	0.504	0.382	1.62	2.27	0.0	4.27	8.15
FERT. APPL, RNTD	2,59	FEB	1.00	0.203	0.154	1.95	0.91	10.00	1.37	14.23
HERB SPRAYR 6R	4,47	FEB	1.00	0.209	0.159	1.27	0.94	35.75	1.63	39.59
RLNG CULT 6R	2,34	FEB	1.00	0.194	0.147	2.28	0.88	0.0	1.53	4.69
DITCHER BLADE	5,48	FEB	1.00	0.504	0.382	1.62	2.27	0.0	4.27	8.15
FERT. APPL, RNTD	2,59	MAR	1.00	0.203	0.154	1.95	0.91	12.50	1.37	16.73
RLNG CULT 6R	2,34	MAR	1.00	0.194	0.147	2.28	0.88	0.0	1.53	4.69
DITCHER BLADE	5,48	MAR	1.00	0.504	0.382	1.62	2.27	0.0	4.27	8.15
DITCHER BLADE	5,48	APR	1.00	0.504	0.382	1.62	2.27	0.0	4.27	8.15
DITCHER BLADE	5,48	MAY	1.00	0.504	0.382	1.62	2.27	0.0	4.27	8.15
TOTALS				6.112	4.631	46.58	27.51	186.50	55.46	316.05

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS	
WATER APPLICATION	JAN	12.00	12.000	0.0	0.0	54.00	16.00	0.0	70.00	
WATER APPLICATION	FEB	12.00	12.000	0.0	0.0	54.00	16.00	0.0	70.00	
WATER APPLICATION	MAR	12.00	12.000	0.0	0.0	54.00	16.00	0.0	70.00	
WATER APPLICATION	APR	12.00	12.000	0.0	0.0	54.00	16.00	0.0	70.00	
WATER APPLICATION	MAY	12.00	12.000	0.0	0.0	54.00	16.00	0.0	70.00	
TOTALS			60.00	60.000	0.0	0.0	270.00	80.00	0.0	350.00

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
 ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF JALAPENOS	PRICE OF JALAPENOS (DOLLARS)				
	16.00	18.00	20.00	22.00	24.00
CWT.					
128.00	179.25	435.25	691.25	947.25	1203.25
144.00	295.25	583.25	871.25	1159.25	1447.25
160.00	411.25	731.25	1051.25	1371.25	1691.25
176.00	527.25	879.25	1231.25	1583.25	1935.25
192.00	643.25	1027.25	1411.25	1795.25	2179.25

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CHILI PEPPERS, IRRIGATED, RIO GRANDE VALLEY
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CHILI PEPPERS	140.00	CWT.	28.00	3920.00	_____
TOTAL PROJECTED RETURNS				\$ 3920.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SD-CHILI PEPPERS	3.00	LB.	25.00	75.00	_____
*NITROGEN (DRY)	100.00	LB.	0.25	25.00	_____
*PHOSPHATE	60.00	LB.	0.25	15.00	_____
*HERBICIDE	2.00	ACRE	35.75	71.50	_____
*INSECTICIDE	15.00	APPL	5.15	77.25	_____
PESTICIDE APPL.	15.00	ACRE	3.50	52.50	_____
*IRRIGATION WATER	10.00	APPL	8.00	80.00	_____
IRRIGATION WATER	60.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		25.54	_____
EQUIPMENT		ACRE		1.45	_____
REPAIRS-----TRACTOR		ACRE		10.16	_____
EQUIPMENT		ACRE		9.16	_____
LABOR-----MACHINERY	5.91	HOUR	4.50	26.59	_____
IRRIGATION	60.00	HOUR	4.50	270.00	_____
EQUIPMENT	0.63	HOUR	4.50	2.83	_____
OPERATING CAPITAL	-50.73	DOL.	0.150	-7.61	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 734.37	\$ _____
HARVEST COSTS					
HARVEST	140.00	CWT.	7.00	980.00	_____
PACK & COUNT	140.00	CWT.	1.35	189.00	_____
MARKETING	140.00	CWT.	0.30	42.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 1211.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 1945.37	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 13.90/CWT.	CHILI PEPPERS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 1974.63	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		33.97	_____
EQUIPMENT		ACRE		22.20	_____
LAND-CASH RENT	1.00	ACRE	90.00	90.00	_____
TOTAL FIXED COSTS		ACRE		\$ 146.16	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 2091.53	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 14.94/CWT.	CHILI PEPPERS	
6. NET PROJECTED RETURNS		ACRE		\$ 1828.47	\$ _____

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824 CHILI PEPPERS, IRRIGATED, RIO GRANDE VALLEY
 1985 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER 4R	5,46	DEC	1.00	0.283	0.214	1.24	1.27	0.0	2.11	4.62
MOLDBOARD PLOW	1,31	DEC	1.00	0.451	0.342	6.22	2.03	0.0	5.49	13.75
CHISEL PLOW	4,33	DEC	1.00	0.168	0.127	1.13	0.76	0.0	1.50	3.39
OFFSET DISC	1,38	DEC	1.00	0.210	0.159	2.78	0.95	0.0	2.72	6.44
FLOAT PLANE	4,45	DEC	1.00	0.216	0.164	1.30	0.97	0.0	2.15	4.42
BEDDER 6R	1,35	JAN	2.00	0.302	0.229	3.80	1.36	0.0	3.19	8.35
ROTOVATOR 4R	1,42	JAN	1.00	0.233	0.176	3.21	1.05	0.0	2.83	7.08
HERB SPRAYR 6R	4,47	JAN	1.00	0.209	0.159	1.27	0.94	35.75	1.63	39.59
STANHAY PLANTR	1,58	JAN	1.00	0.310	0.235	5.86	1.40	75.00	3.71	85.97
DITCHER BLADE	5,48	JAN	1.00	0.504	0.382	1.62	2.27	0.0	4.27	8.15
FERT.APPL,RNTD	2,59	FEB	1.00	0.203	0.154	1.95	0.91	10.00	1.37	14.23
HERB SPRAYR 6R	4,47	FEB	1.00	0.209	0.159	1.27	0.94	35.75	1.63	39.59
RLNG CULT 6R	2,34	FEB	1.00	0.194	0.147	2.28	0.88	0.0	1.53	4.69
DITCHER BLADE	5,48	FEB	1.00	0.504	0.382	1.62	2.27	0.0	4.27	8.15
FERT.APPL,RNTD	2,59	MAR	1.00	0.203	0.154	1.95	0.91	12.50	1.37	16.73
RLNG CULT 6R	2,34	MAR	1.00	0.194	0.147	2.28	0.88	0.0	1.53	4.69
DITCHER BLADE	5,48	MAR	1.00	0.504	0.382	1.62	2.27	0.0	4.27	8.15
DITCHER BLADE	5,48	APR	1.00	0.504	0.382	1.62	2.27	0.0	4.27	8.15
DITCHER BLADE	5,48	MAY	1.00	0.504	0.382	1.62	2.27	0.0	4.27	8.15
TOTALS				5.909	4.477	44.63	26.59	169.00	54.09	294.32

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	JAN	12.00	12.000	0.0	0.0	54.00	16.00	0.0	70.00
WATER APPLICATION	FEB	12.00	12.000	0.0	0.0	54.00	16.00	0.0	70.00
WATER APPLICATION	MAR	12.00	12.000	0.0	0.0	54.00	16.00	0.0	70.00
WATER APPLICATION	APR	12.00	12.000	0.0	0.0	54.00	16.00	0.0	70.00
WATER APPLICATION	MAY	12.00	12.000	0.0	0.0	54.00	16.00	0.0	70.00
TOTALS		60.00	60.000	0.0	0.0	270.00	80.00	0.0	350.00

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
 ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

CWT.	PRICE OF CHILI PEPPERS (DOLLARS)				
	22.40	25.20	28.00	30.80	33.60
112.00	805.63	1119.23	1432.83	1746.43	2060.03
126.00	998.13	1350.93	1703.73	2056.53	2409.33
140.00	1190.63	1582.63	1974.63	2366.63	2758.63
154.00	1383.13	1814.33	2245.53	2676.73	3107.93
168.00	1575.63	2046.03	2516.43	2986.83	3457.22

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**BUFFLE GRASS ESTABLISHMENT, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
PASTURE	1.00	ACRE	0.0	0.0	_____
TOTAL PROJECTED RETURNS				\$ 0.0	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*BUFFEL GRASS	4.00	LB.	7.00	28.00	_____
BRUSH CLEARING	1.00	ACRE	130.00	130.00	_____
CUSTOM PLANT	1.00	ACRE	5.00	5.00	_____
FUEL & LUBE--TRACTOR		ACRE		1.35	_____
EQUIPMENT		ACRE		0.97	_____
REPAIRS-----TRACTOR		ACRE		0.44	_____
EQUIPMENT		ACRE		0.98	_____
LABOR-----MACHINERY	0.39	HOUR	4.50	1.75	_____
EQUIPMENT	0.42	HOUR	4.50	1.89	_____
OPERATING CAPITAL	14.32	DOL.	0.150	2.15	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 172.52	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 172.52	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$172.52/ACRE	PASTURE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -172.52	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		2.60	_____
EQUIPMENT		ACRE		2.01	_____
LAND-CASH RENT	1.00	ACRE	5.00	5.00	_____
TOTAL FIXED COSTS		ACRE		\$ 9.61	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 182.13	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$182.13/ACRE	PASTURE	
6. NET PROJECTED RETURNS		ACRE		\$ -182.13	\$ _____

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PROJECTIONS FOR PLANNING PURPOSES ONLY
 NOT TO BE USED WITHOUT UPDATING AFTER 11-17-84.

B-1241(C19)

926 BUFFLE GRASS ESTABLISHMENT, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
RLNG CULT 6R	4,34	SEPT	2.00	0.389	0.295	2.61	1.75	0.0	3.23	7.59
TOTALS				0.389	0.295	2.61	1.75	0.0	3.23	7.59

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**BUFFEL GRASS, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
PASTURE	2.50	AUM	0.0	0.0	_____
TOTAL PROJECTED RETURNS				\$ 0.0	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
FUEL & LUBE--TRACTOR		ACRE		0.0	_____
EQUIPMENT		ACRE		0.81	_____
REPAIRS-----TRACTOR		ACRE		0.0	_____
EQUIPMENT		ACRE		0.13	_____
LABOR-----MACHINERY	0.0	HOUR	4.50	0.0	_____
EQUIPMENT	0.35	HOUR	4.50	1.57	_____
OTHER	0.50	HOUR	4.50	2.25	_____
OPERATING CAPITAL	0.37	DOL.	0.150	0.05	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 4.81	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 4.81	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 1.93/AUM	PASTURE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -4.81	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		0.0	_____
EQUIPMENT		ACRE		1.15	_____
LAND-CASH RENT	1.00	ACRE	10.00	10.00	_____
PRORATED ESTABL	182.13	DOL.	0.10	18.21	_____
TOTAL FIXED COSTS		ACRE		\$ 29.37	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 34.18	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 13.67/AUM	PASTURE	
6. NET PROJECTED RETURNS		ACRE		\$ -34.18	\$ _____

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927 BUFFEL GRASS, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
 1985, PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
TOTALS				0.0	0.0	0.0	0.0	0.0	0.0	0.0

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
 ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF PASTURE	PRICE OF PASTURE (DOLLARS)									
	AUM	1.54	1.73	1.93	2.12	2.31	2.50	2.75	3.00	3.25
2.00	-1.73	-1.35	-0.96	-0.58	-0.19	0.20	0.59	0.98	1.37	1.76
2.25	-1.35	-0.91	-0.48	-0.05	0.39	0.78	1.17	1.56	1.95	2.34
2.50	-0.96	-0.48	0.0	0.48	0.96	1.44	1.92	2.40	2.88	3.36
2.75	-0.58	-0.05	0.48	1.01	1.54	2.07	2.60	3.13	3.66	4.19
3.00	-0.19	0.39	0.96	1.54	2.12	2.70	3.28	3.86	4.44	5.02

NOTE: NEGATIVE RETURNS OVER VARIABLE COSTS MAY BE AVOIDABLE VIA CROP ABANDONMENT, GRAZE-OUT, OR OTHER MANAGEMENT STRATEGIES.

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**BERMUDA TYPE GRASSES, ESTAB., IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
HAY	3.00	TON	150.00	450.00	
TOTAL PROJECTED RETURNS				\$ 450.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
CUSTOM SPRIGGING	1.00	ACRE	125.00	125.00	_____
*NITROGEN (DRY)	150.00	LB.	0.25	37.50	_____
*HERBICIDES	2.00	ACRE	2.50	5.00	_____
*IRRIG. WATER	3.00	APPL	8.00	24.00	_____
IRRIGATION WATER	18.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		10.91	_____
EQUIPMENT		ACRE		2.26	_____
REPAIRS-----TRACTOR		ACRE		5.56	_____
EQUIPMENT		ACRE		4.27	_____
LABOR-----MACHINERY	2.15	HOUR	4.50	9.66	_____
IRRIGATION	4.50	HOUR	4.50	20.25	_____
EQUIPMENT	0.98	HOUR	4.50	4.41	_____
OPERATING CAPITAL	112.00	DOL.	0.150	16.80	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 265.62	\$ _____
HARVEST COSTS					
MOW,RAKE,BALE	100.00	BALE	0.65	65.00	_____
CUSTOM BALE HAUL	100.00	BALE	0.40	40.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 105.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 370.62	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$123.54/TON	HAY	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 79.38	\$ _____
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		13.68	_____
EQUIPMENT		ACRE		10.09	_____
LAND-CASH RENT	1.00	ACRE	40.00	40.00	_____
TOTAL FIXED COSTS		ACRE		\$ 63.77	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 434.39	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$144.80/TON	HAY	
6. NET PROJECTED RETURNS		ACRE		\$ 15.61	\$ _____

INFORMATION PRESENTED IS PREPARED SOLELY AS A GENERAL GUIDE AND IS NOT INTENDED TO RECOGNIZE OR PREDICT THE COSTS AND RETURNS FROM ANY ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

PROJECTIONS FOR PLANNING PURPOSES ONLY
 NOT TO BE USED WITHOUT UPDATING AFTER 11-17-84.

B-1241(C19)

929 BERMUDA TYPE GRASSES, ESTAB., IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
OFFSET DISC	2,38	JAN	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
FLOAT PLANE	2,45	JAN	1.00	0.216	0.164	2.16	0.97	0.0	2.06	5.19
DITCHER BLADE	4,48	MAR	0.01	0.005	0.004	0.03	0.02	0.0	0.06	0.10
HERB SPRAYR 6R	4,47	MAR	1.00	0.209	0.159	1.19	0.94	2.50	1.63	6.26
DITCHER BLADE	4,48	MAY	0.01	0.005	0.004	0.03	0.02	0.0	0.06	0.10
FERT. APPL. RNTD	4,59	MAY	1.00	0.203	0.154	0.93	0.91	37.50	1.45	40.80
MOLDBOARD PLOW	2,31	AUG	1.00	0.451	0.342	5.35	2.03	0.0	4.53	11.91
OFFSET DISC	2,38	AUG	2.00	0.421	0.319	4.74	1.89	0.0	4.54	11.17
OFFSET DISC	2,38	OCT	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
DITCHER BLADE	4,48	OCT	0.01	0.005	0.004	0.03	0.02	0.0	0.06	0.10
HERB SPRAYR 6R	4,47	OCT	1.00	0.209	0.159	1.19	0.94	2.50	1.63	6.26
TOTALS				2.146	1.626	20.38	9.66	42.50	20.55	93.09

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	MAR	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	OCT	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS		18.00	4.500	0.0	0.0	20.25	24.00	0.0	44.25

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
 ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF HAY	PRICE OF HAY (DOLLARS)				
	120.00	135.00	150.00	165.00	180.00
2.40 TON	-61.62	-25.62	10.38	46.38	82.38
2.70	-36.12	4.38	44.88	85.38	125.88
3.00	-10.62	34.38	79.38	124.38	169.38
3.30	14.88	64.38	113.88	163.38	212.88
3.60	40.38	94.38	148.38	202.38	256.38

NOTE: NEGATIVE RETURNS OVER VARIABLE COSTS MAY BE AVOIDABLE VIA CROP ABANDONMENT, GRAZE-OUT, OR OTHER MANAGEMENT STRATEGIES.

928

BERMUDA GRASS HAY, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
HAY	12.00	TON	150.00	1800.00	_____
TOTAL PROJECTED RETURNS				\$ 1800.00	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
NITROGEN (DRY)	200.00	LB.	0.25	50.00	_____
*IRRIG. WATER	4.00	APPL	8.00	32.00	_____
IRRIGATION WATER	24.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		0.0	_____
EQUIPMENT		ACRE		2.26	_____
REPAIRS-----TRACTOR		ACRE		0.0	_____
EQUIPMENT		ACRE		0.35	_____
LABOR-----MACHINERY	0.0	HOUR	4.50	0.0	_____
IRRIGATION	6.00	HOUR	4.50	27.00	_____
EQUIPMENT	0.98	HOUR	4.50	4.41	_____
OPERATING CAPITAL	-69.08	DOL.	0.150	-10.36	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 105.66	\$ _____
HARVEST COSTS					
MOW, RAKE, BALE	400.00	BALE	0.65	260.00	_____
CUSTOM BALE HAUL	400.00	BALE	0.40	160.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 420.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 525.66	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 43.81/TON		HAY
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 1274.34	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		0.0	_____
EQUIPMENT		ACRE		3.23	_____
LAND-CASH RENT	1.00	ACRE	40.00	40.00	_____
PRORATED ESTABL	15.61	DOL.	0.10	1.56	_____
TOTAL FIXED COSTS		ACRE		\$ 44.79	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 570.45	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 47.54/TON		HAY
6. NET PROJECTED RETURNS		ACRE		\$ 1229.55	\$ _____

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B-1241(C19)

928 BERMUDA GRASS HAY, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
TOTALS				0.0	0.0	0.0	0.0	0.0	0.0	0.0

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	APR	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	JUNE	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	AUG	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS		24.00	6.000	0.0	0.0	27.00	32.00	0.0	59.00

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
 ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF HAY	TON	PRICE OF HAY (DOLLARS)				
		120.00	135.00	150.00	165.00	180.00
9.60		710.34	854.34	998.34	1142.34	1286.34
10.80		812.34	974.34	1136.34	1298.34	1460.34
12.00		914.34	1094.34	1274.34	1454.34	1634.34
13.20		1016.34	1214.34	1412.34	1610.34	1808.34
14.40		1118.34	1334.34	1550.34	1766.34	1982.34

931

**BERMUDA PASTURE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
PASTURE	2.50	AUM	0.0	0.0	_____
TOTAL PROJECTED RETURNS				\$ 0.0	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
NITROGEN (DRY)	150.00	LB.	0.25	37.50	_____
*IRRIG. WATER	4.00	APPL	8.00	32.00	_____
IRRIGATION WATER	24.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		3.70	_____
EQUIPMENT		ACRE		2.26	_____
REPAIRS-----TRACTOR		ACRE		1.21	_____
EQUIPMENT		ACRE		1.41	_____
LABOR-----MACHINERY	1.07	HOUR	4.50	4.82	_____
IRRIGATION	6.00	HOUR	4.50	27.00	_____
EQUIPMENT	0.98	HOUR	4.50	4.41	_____
OPERATING CAPITAL	48.19	DOL.	0.150	7.23	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 121.54	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 121.54	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 48.62/AUM	PASTURE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -121.54	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		7.14	_____
EQUIPMENT		ACRE		5.45	_____
LAND-CASH RENT	1.00	ACRE	40.00	40.00	_____
PRORATED ESTABL	15.61	DOL.	0.10	1.56	_____
TOTAL FIXED COSTS		ACRE		\$ 54.15	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 175.69	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 70.28/AUM	PASTURE	
6. NET PROJECTED RETURNS		ACRE		\$ -175.69	\$ _____

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BERMUDA PASTURE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
FLEX HARROW	4,57	MAY	1.00	0.252	0.191	1.22	1.13	0.0	1.80	4.15
FLEX HARROW	4,57	JULY	1.00	0.252	0.191	1.22	1.13	0.0	1.80	4.15
SHREDDER 4R	4,46	JULY	1.00	0.283	0.214	1.77	1.27	0.0	2.89	5.93
SHREDDER 4R	4,46	SEPT	1.00	0.283	0.214	1.77	1.27	0.0	2.89	5.93
TOTALS				1.070	0.811	5.97	4.82	0.0	9.37	20.15

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	MAR	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	SEPT	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS		24.00	6.000	0.0	0.0	27.00	32.00	0.0	59.00

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
 ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF PASTURE	PRICE OF PASTURE (DOLLARS)				
	38.89	43.75	48.62	53.48	58.34
AUM					
2.00	-43.75	-34.03	-24.31	-14.58	-4.86
2.25	-34.03	-23.09	-12.15	-1.22	9.72
2.50	-24.31	-12.15	0.0	12.15	24.31
2.75	-14.58	-1.22	12.15	25.52	38.89
3.00	-4.86	9.72	24.31	38.89	53.48

NOTE: NEGATIVE RETURNS OVER VARIABLE COSTS MAY BE AVOIDABLE VIA CROP ABANDONMENT, GRAZE-OUT, OR OTHER MANAGEMENT STRATEGIES.

932

SOYBEANS, IRRIGATED, TEXAS RIO GRANDE VALLEY
1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
SOYBEANS	30.00	BU.	5.00	150.00	_____
TOTAL PROJECTED RETURNS				\$ 150.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*SOYBEAN SEED	60.00	LB.	0.28	16.80	_____
*INNOC.	1.00	APPL	1.10	1.10	_____
PHOSPHATE	30.00	LB.	0.25	7.50	_____
*IRRIG. WATER	3.00	APPL	8.00	24.00	_____
*INSECTICIDE	3.00	APPL	2.60	7.80	_____
PESTICIDE APPL.	3.00	APPL	3.50	10.50	_____
HERB, PREMERGE	1.00	APPL	9.00	9.00	_____
*FUNGICIDE	1.00	APPL	9.80	9.80	_____
IRRIGATION WATER	18.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		3.74	_____
REPAIRS-----TRACTOR		ACRE		1.38	_____
EQUIPMENT		ACRE		2.32	_____
LABOR-----MACHINERY	1.07	HOUR	4.50	4.81	_____
IRRIGATION	4.50	HOUR	4.50	20.25	_____
OPERATING CAPITAL	21.27	DOL.	0.150	3.19	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 122.20	\$ _____
HARVEST COSTS					
CUST HARV & HAUL	30.00	BU.	0.70	21.00	_____
FUEL & LUBE--TRACTOR		ACRE		0.29	_____
EQUIPMENT		ACRE		2.77	_____
REPAIRS-----TRACTOR		ACRE		0.09	_____
EQUIPMENT		ACRE		8.98	_____
LABOR-----MACHINERY	0.33	HOUR	4.50	1.48	_____
SUBTOTAL, HARVEST		ACRE		\$ 34.61	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 156.80	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.23/BU.	SOYBEANS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -6.80	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		7.12	_____
EQUIPMENT		ACRE		8.50	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
TOTAL FIXED COSTS		ACRE		\$ 65.62	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 222.42	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 7.41/BU.	SOYBEANS	
6. NET PROJECTED RETURNS		ACRE		\$ -72.42	\$ _____

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SOYBEANS, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER 4R	5,46	AUG	1.00	0.283	0.214	1.18	1.27	0.0	2.11	4.56
OFFSET DISC	4,38	AUG	1.00	0.210	0.159	1.45	0.95	0.0	2.36	4.75
BEDDER 6R	1,35	AUG	1.00	0.151	0.115	1.78	0.68	0.0	1.60	4.06
PLANTER 6R	4,36	AUG	1.00	0.202	0.153	1.71	0.91	17.90	2.41	22.93
DITCHER BLADE	5,48	AUG	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
CULTIVATOR 6R	4,44	SEPT	1.00	0.207	0.157	1.28	0.93	0.0	1.80	4.01
DITCHER BLADE	5,48	OCT	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
DITCHER BLADE	5,48	NOV	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
COMBINE	14	DEC	1.00	0.246	0.196	11.92	1.10	0.0	4.53	17.56
GRAIN CART	4,61	DEC	1.00	0.082	0.063	1.15	0.37	0.0	0.69	2.20
TOTALS				1.397	1.069	20.51	6.29	17.90	15.62	60.32

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	AUG	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	OCT	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS		18.00	4.500	0.0	0.0	20.25	24.00	0.0	44.25

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
 ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF SOYBEANS	PRICE OF SOYBEANS (DOLLARS)				
	4.00	4.50	5.00	5.50	6.00
24.00	-56.60	-44.60	-32.60	-20.60	-8.60
27.00	-46.70	-33.20	-19.70	-6.20	7.30
30.00	-36.80	-21.80	-6.80	8.20	23.20
33.00	-26.90	-10.40	6.10	22.60	39.10
36.00	-17.00	1.00	19.00	37.00	55.00

NOTE: NEGATIVE RETURNS OVER VARIABLE COSTS MAY BE AVOIDABLE VIA CROP ABANDONMENT, GRAZE-OUT, OR OTHER MANAGEMENT STRATEGIES.

933

BELL PEPPERS, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
BELL PEPPERS	400.00	CRTN	6.00	2400.00	_____
TOTAL PROJECTED RETURNS				\$ 2400.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*BELL PEPPERS	2.50	LB.	25.00	62.50	_____
FERTILIZER APPL	4.00	ACRE	3.00	12.00	_____
*HERBICIDE	1.00	ACRE	43.34	43.34	_____
*INSECTICIDE	16.00	APPL	5.10	81.60	_____
*FUNGICIDE	12.00	APPL	9.67	116.04	_____
PESTICIDE APPL.	16.00	APPL	3.50	56.00	_____
*IRRIG. WATER	8.00	APPL	8.00	64.00	_____
IRRIGATION WATER	48.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		13.13	_____
EQUIPMENT		ACRE		2.26	_____
REPAIRS-----TRACTOR		ACRE		5.89	_____
EQUIPMENT		ACRE		7.01	_____
LABOR-----MACHINERY	2.55	HOUR	4.50	11.46	_____
IRRIGATION	12.00	HOUR	4.50	54.00	_____
EQUIPMENT	0.98	HOUR	4.50	4.41	_____
OTHER	40.00	HOUR	4.50	180.00	_____
OPERATING CAPITAL	115.18	DOL.	0.150	17.28	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 730.92	\$ _____
HARVEST COSTS					
HARVEST	400.00	CRTN	1.25	500.00	_____
PACK&CONT	400.00	CRTN	2.70	1080.00	_____
MKT-VEGETABLES	400.00	CRTN	0.40	160.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 1740.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 2470.92	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 6.18/CRTN		BELL PEPPERS
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -70.92	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		17.91	_____
EQUIPMENT		ACRE		10.47	_____
LAND-CASH RENT	1.00	ACRE	90.00	90.00	_____
TOTAL FIXED COSTS		ACRE		\$ 118.38	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 2589.30	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.47/CRTN		BELL PEPPERS
6. NET PROJECTED RETURNS		ACRE		\$ -189.30	\$ _____

PACKED IN 30 POUND CARTONS.

INFORMATION PRESENTED IS PREPARED SOLELY AS A GENERAL GUIDE AND IS NOT INTENDED TO RECOGNIZE OR PREDICT THE COSTS AND RETURNS FROM ANY ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

933 BELL PEPPERS, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER 4R	5,46	JUNE	1.00	0.283	0.214	1.18	1.27	0.0	2.11	4.56
MOLDBOARD PLOW	1,31	JUNE	0.50	0.226	0.171	2.94	1.02	0.0	2.74	6.70
CHISEL PLOW	4,33	JUNE	0.50	0.084	0.064	0.53	0.38	0.0	0.75	1.66
OFFSET DISC	1,38	JUNE	1.00	0.210	0.159	2.62	0.95	0.0	2.72	6.28
FLOAT PLANE	4,45	JUNE	1.00	0.216	0.164	1.21	0.97	0.0	2.15	4.34
BEDDER 6R	1,35	JULY	1.00	0.151	0.115	1.78	0.68	0.0	1.60	4.06
ROTOVATOR 4R	1,42	JULY	1.00	0.233	0.176	3.03	1.05	0.0	2.83	6.91
HERB SPRAYR 6R	4,47	JULY	1.00	0.209	0.159	1.19	0.94	29.04	1.63	32.80
STANHAY PLANTR	1,58	JULY	1.00	0.310	0.235	5.62	1.40	62.50	3.71	73.23
DITCHER BLADE	5,48	JULY	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
HERB SPRAYR 6R	4,47	AUG	1.00	0.209	0.159	1.19	0.94	14.30	1.63	18.07
DITCHER BLADE	5,48	AUG	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
RLNG CULT 6R	2,34	AUG	1.00	0.194	0.147	2.16	0.88	0.0	1.53	4.57
DITCHER BLADE	5,48	SEPT	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
RLNG CULT 6R	2,34	SEPT	1.00	0.194	0.147	2.16	0.88	0.0	1.53	4.57
DITCHER BLADE	5,48	OCT	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
DITCHER BLADE	5,48	NOV	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
TOTALS				2.546	1.929	25.68	11.46	105.84	25.15	168.13

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	JULY	12.00	3.000	0.0	0.0	13.50	16.00	0.0	29.50
WATER APPLICATION	AUG	12.00	3.000	0.0	0.0	13.50	16.00	0.0	29.50
WATER APPLICATION	SEPT	12.00	3.000	0.0	0.0	13.50	16.00	0.0	29.50
WATER APPLICATION	OCT	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS		48.00	12.000	0.0	0.0	54.00	64.00	0.0	118.00

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
 ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF BELL PEPPERS
 (DOLLARS)

QUANTITY OF BELL PEPPERS	CRTN	PRICE OF BELL PEPPERS (DOLLARS)				
		4.80	5.40	6.00	6.60	7.20
	320.00	-586.92	-394.92	-202.92	-10.92	181.08
	360.00	-568.92	-352.92	-136.92	79.08	295.08
	400.00	-550.92	-310.92	-70.92	169.08	409.08
	440.00	-532.92	-268.92	-4.92	259.08	523.08
	480.00	-514.92	-226.92	61.08	349.08	637.08

NOTE: NEGATIVE RETURNS OVER VARIABLE COSTS MAY BE AVOIDABLE VIA CROP ABANDONMENT, GRAZE-OUT, OR OTHER MANAGEMENT STRATEGIES.

934

CABBAGE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CABBAGE	600.00	CRTN	2.75	1650.00	_____
TOTAL PROJECTED RETURNS				\$ 1650.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*CABBAGE SEED	1.00	LB.	75.00	75.00	_____
*NITROGEN (DRY)	200.00	LB.	0.25	50.00	_____
*PHOSPHATE	80.00	LB.	0.25	20.00	_____
*HERBICIDE	1.00	ACRE	23.23	23.23	_____
*INSECTICIDE	23.00	APPL	6.23	143.29	_____
PESTICIDE APPL.	23.00	APPL	3.50	80.50	_____
*FUNGICIDE	12.00	APPL	4.63	55.56	_____
*IRRIG. WATER	7.00	APPL	8.00	56.00	_____
IRRIGATION WATER	42.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		14.79	_____
EQUIPMENT		ACRE		2.75	_____
REPAIRS-----TRACTOR		ACRE		6.67	_____
EQUIPMENT		ACRE		6.62	_____
LABOR-----MACHINERY	3.57	HOUR	4.50	16.06	_____
IRRIGATION	10.50	HOUR	4.50	47.25	_____
EQUIPMENT	1.19	HOUR	4.50	5.35	_____
OTHER	30.00	HOUR	4.50	135.00	_____
OPERATING CAPITAL	350.98	DOL.	0.150	52.65	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 790.72	\$ _____
HARVEST COSTS					
HARVEST	600.00	CRTN	1.00	600.00	_____
PACK & CON	600.00	CRTN	2.75	1650.00	_____
MKT-VEGETABLES	600.00	CRTN	0.40	240.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 2490.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 3280.72	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.47/CRTN		CABBAGE
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -1630.72	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		21.12	_____
EQUIPMENT		ACRE		15.95	_____
LAND-CASH RENT	1.00	ACRE	90.00	90.00	_____
TOTAL FIXED COSTS		ACRE		\$ 127.07	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 3407.79	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.68/CRTN		CABBAGE
6. NET PROJECTED RETURNS		ACRE		\$ -1757.79	\$ _____

PACKED IN 50 LBS. CARTONS

INFORMATION PRESENTED IS PREPARED SOLELY AS A GENERAL GUIDE AND IS NOT INTENDED TO RECOGNIZE OR PREDICT THE COSTS AND RETURNS FROM ANY ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

934 CABBAGE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER 4R	5,46	JUNE	1.00	0.283	0.214	1.18	1.27	0.0	2.11	4.56
OFFSET DISC	1,38	JUNE	1.00	0.210	0.159	2.62	0.95	0.0	2.72	6.28
MOLDBOARD PLOW	1,31	JULY	0.50	0.226	0.171	2.94	1.02	0.0	2.74	6.70
CHISEL PLOW	1,33	JULY	0.50	0.084	0.064	1.00	0.38	0.0	0.89	2.27
HERB SPRAYR 6R	4,47	JULY	1.00	0.209	0.159	1.19	0.94	23.23	1.63	26.99
FLOAT PLANE	1,45	AUG	1.00	0.216	0.164	2.41	0.97	0.0	2.52	5.90
BEDDER 6R	2,35	AUG	1.00	0.151	0.115	1.61	0.68	0.0	1.27	3.56
FERT. APPL. RNTD	4,59	AUG	1.00	0.203	0.154	0.93	0.91	70.00	1.45	73.30
STANHAY PLANTR	1,58	AUG	1.00	0.310	0.235	5.62	1.40	75.00	3.71	85.73
DITCHER BLADE	5,48	AUG	0.50	0.252	0.191	0.76	1.13	0.0	2.13	4.02
CULTIVATOR 6R	2,44	OCT	1.00	0.207	0.157	2.19	0.93	0.0	1.71	4.84
DITCHER BLADE	5,48	OCT	0.50	0.252	0.191	0.76	1.13	0.0	2.13	4.02
CULTIVATOR 6R	2,44	NOV	1.00	0.207	0.157	2.19	0.93	0.0	1.71	4.84
DITCHER BLADE	5,48	DEC	0.50	0.252	0.191	0.76	1.13	0.0	2.13	4.02
DITCHER BLADE	5,48	FEB	0.50	0.252	0.191	0.76	1.13	0.0	2.13	4.02
DITCHER BLADE	5,48	MAR	0.50	0.252	0.191	0.76	1.13	0.0	2.13	4.02
TOTALS				3.568	2.703	27.65	16.06	168.23	33.15	245.09

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	AUG	12.00	3.000	0.0	0.0	13.50	16.00	0.0	29.50
WATER APPLICATION	OCT	12.00	3.000	0.0	0.0	13.50	16.00	0.0	29.50
WATER APPLICATION	DEC	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	FEB	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	MAR	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS		42.00	10.500	0.0	0.0	47.25	56.00	0.0	103.25

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
 ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF CABBAGE	CRTN	PRICE OF CABBAGE (DOLLARS)				
		2.20	2.47	2.75	3.02	3.30
480.00		-1726.72	-1594.72	-1462.72	-1330.72	-1198.72
540.00		-1843.72	-1695.22	-1546.72	-1398.22	-1249.72
600.00		-1960.72	-1795.72	-1630.72	-1465.72	-1300.72
660.00		-2077.72	-1896.22	-1714.72	-1533.22	-1351.72
720.00		-2194.72	-1996.72	-1798.72	-1600.72	-1402.72

NOTE: NEGATIVE RETURNS OVER VARIABLE COSTS MAY BE AVOIDABLE VIA CROP ABANDONMENT, GRAZE-OUT, OR OTHER MANAGEMENT STRATEGIES.

935

CANTALOUPE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CANTALOUPE	375.00	CRTN	7.00	2625.00	_____
TOTAL PROJECTED RETURNS				\$ 2625.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*CANTALOUPE SEED	3.00	LB.	97.00	291.00	_____
*NITROGEN (DRY)	120.00	LB.	0.25	30.00	_____
*PHOSPHATE	80.00	LB.	0.25	20.00	_____
*INSECTICIDE	5.00	APPL	4.08	20.40	_____
*HERBICIDE	2.00	ACRE	48.03	96.06	_____
*FUNGICIDE	6.00	APPL	3.99	23.94	_____
PESTICIDE APPL.	6.00	APPL	3.50	21.00	_____
*IRRIG. WATER	5.00	APPL	8.00	40.00	_____
BEE RENT	0.33	ACRE	20.00	6.60	_____
IRRIGATION WATER	30.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		21.44	_____
EQUIPMENT		ACRE		2.26	_____
REPAIRS-----TRACTOR		ACRE		10.71	_____
EQUIPMENT		ACRE		8.97	_____
LABOR-----MACHINERY	3.71	HOUR	4.50	16.70	_____
IRRIGATION	7.50	HOUR	4.50	33.75	_____
EQUIPMENT	0.98	HOUR	4.50	4.41	_____
OTHER	10.00	HOUR	4.50	45.00	_____
OPERATING CAPITAL	166.85	DOL.	0.150	25.03	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 717.26	\$ _____
HARVEST COSTS					
HARVEST	375.00	CRTN	1.20	450.00	_____
PACK & CONT	375.00	CRTN	3.00	1125.00	_____
MKT-VEGETABLES	375.00	CRTN	0.40	150.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 1725.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 2442.26	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 6.51/CRTN	CANTALOUPE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 182.74	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		25.69	_____
EQUIPMENT		ACRE		12.84	_____
LAND-CASH RENT	1.00	ACRE	90.00	90.00	_____
TOTAL FIXED COSTS		ACRE		\$ 128.53	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 2570.79	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.86/CRTN	CANTALOUPE	
6. NET PROJECTED RETURNS		ACRE		\$ 54.21	\$ _____

CANTALOUPE SOLD IN 40 POUND CARTONS.

INFORMATION PRESENTED IS PREPARED SOLELY AS A GENERAL GUIDE AND IS NOT INTENDED TO RECOGNIZE OR PREDICT THE COSTS AND RETURNS FROM ANY ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

935 CANTALOUPE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION.
 1985 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER 4R	5,46	SEPT	1.00	0.283	0.214	1.18	1.27	0.0	2.11	4.56
OFFSET DISC	1,38	SEPT	1.00	0.210	0.159	2.62	0.95	0.0	2.72	6.28
OFFSET DISC	1,38	OCT	2.00	0.421	0.319	5.23	1.89	0.0	5.43	12.55
MOLDBOARD PLOW	1,31	OCT	0.50	0.226	0.171	2.94	1.02	0.0	2.74	6.70
CHISEL PLOW	1,33	OCT	0.50	0.084	0.064	1.00	0.38	0.0	0.89	2.27
RLNG CULT 6R	2,34	OCT	1.00	0.194	0.147	2.16	0.88	0.0	1.53	4.57
FLOAT PLANE	1,45	NOV	1.00	0.216	0.164	2.41	0.97	0.0	2.52	5.90
RLNG CULT 6R	2,34	NOV	1.00	0.194	0.147	2.16	0.88	0.0	1.53	4.57
RLNG CULT 6R	2,34	DEC	1.00	0.194	0.147	2.16	0.88	0.0	1.53	4.57
BEDDER 6R	2,35	JAN	1.00	0.151	0.115	1.61	0.68	0.0	1.27	3.56
FERT. APPL. RNTD	4,59	JAN	1.00	0.203	0.154	0.93	0.91	50.00	1.45	53.30
HERB SPRAYR 6R	2,47	JAN	1.00	0.209	0.159	2.10	0.94	48.03	1.55	52.62
RLNG CULT 6R	2,34	FEB	1.00	0.194	0.147	2.16	0.88	0.0	1.53	4.57
STANHAY PLANTR	1,58	FEB	1.00	0.310	0.235	5.62	1.40	291.00	3.71	301.73
DITCHER BLADE	5,48	FEB	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
HERB SPRAYR 6R	2,47	MAR	1.00	0.209	0.159	2.10	0.94	48.03	1.55	52.62
RLNG CULT 6R	2,34	MAR	1.00	0.194	0.147	2.16	0.88	0.0	1.53	4.57
DITCHER BLADE	5,48	MAR	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
RLNG CULT 6R	2,34	APR	1.00	0.194	0.147	2.16	0.88	0.0	1.53	4.57
DITCHER BLADE	5,48	APR	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
DITCHER BLADE	5,48	MAY	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
TOTALS				3.710	2.811	40.77	16.70	437.06	35.30	529.82

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	FEB	12.00	3.000	0.0	0.0	13.50	16.00	0.0	29.50
WATER APPLICATION	MAR	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	APR	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS		30.00	7.500	0.0	0.0	33.75	40.00	0.0	73.75

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
 ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF CANTALOUPE	PRICE OF CANTALOUPE (DOLLARS)				
	5.60	6.30	7.00	7.70	8.40
300.00	-417.26	-207.26	2.74	212.74	422.74
337.50	-379.76	-143.51	92.74	328.99	565.24
375.00	-342.26	-79.76	182.74	445.24	707.74
412.50	-304.76	-16.01	272.74	561.49	850.24
450.00	-267.26	47.74	362.74	677.74	992.74

NOTE: NEGATIVE RETURNS OVER VARIABLE COSTS MAY BE AVOIDABLE VIA CROP ABANDONMENT, GRAZE-OUT, OR OTHER MANAGEMENT STRATEGIES.

936

CARROTS, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CARROTS	400.00	BAGS	4.03	1612.00	_____
TOTAL PROJECTED RETURNS				\$ 1612.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*CARROT SEED	2.00	LB.	6.50	13.00	_____
*NITROGEN (DRY)	100.00	LB.	0.25	25.00	_____
*PHOSPHATE	60.00	LB.	0.25	15.00	_____
*HERBICIDE	2.00	ACRE	23.23	46.46	_____
*INSECTICIDE	4.00	APPL	3.23	12.92	_____
*FUNGICIDE	6.00	APPL	4.63	27.78	_____
PESTICIDE APPL.	5.00	APPL	3.50	17.50	_____
*IRRIG. WATER	5.00	APPL	8.00	40.00	_____
IRRIGATION WATER	30.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		20.42	_____
EQUIPMENT		ACRE		2.75	_____
REPAIRS-----TRACTOR		ACRE		10.02	_____
EQUIPMENT		ACRE		8.09	_____
LABOR-----MACHINERY	3.19	HR	4.50	14.38	_____
IRRIGATION	7.50	HR	4.50	33.75	_____
EQUIPMENT	1.19	HR	4.50	5.35	_____
OPERATING CAPITAL	166.24	DOL.	0.150	24.94	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 317.36	\$ _____
HARVEST COSTS					
HARVEST	400.00	BAGS	1.15	460.00	_____
PACK & CONT	400.00	BAGS	3.75	1500.00	_____
MKT-VEGETABLES	400.00	CRTN	0.40	160.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 2120.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 2437.36	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 6.09/BAGS		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -825.36	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		25.91	_____
EQUIPMENT		ACRE		15.22	_____
LAND-CASH RENT	1.00	ACRE	90.00	90.00	_____
TOTAL FIXED COSTS		ACRE		\$ 131.12	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 2568.48	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.42/BAGS		
6. NET PROJECTED RETURNS		ACRE		\$ -956.48	\$ _____

PACKED 48 ONE LBS. CELLO BAGS PER BAG

INFORMATION PRESENTED IS PREPARED SOLELY AS A GENERAL GUIDE AND IS NOT INTENDED TO RECOGNIZE OR PREDICT THE COSTS AND RETURNS FROM ANY ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL EXTENSION SERVICE AND APPROVED FOR PUBLICATION.