

BUFFLE GRASS ESTABLISHMENT, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
PASTURE	1.00	ACRE	0.0	0.0	
TOTAL PROJECTED RETURNS				\$ 0.0	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*BUFFEL GRASS	4.00	LB.	3.00	12.00	
BRUSH CLEARING	1.00	ACRE	100.00	100.00	
CUSTOM PLANT	1.00	ACRE	5.00	5.00	
FUEL & LUBE--TRACTOR		ACRE		1.35	
EQUIPMENT		ACRE		0.97	
REPAIRS-----TRACTOR		ACRE		0.28	
EQUIPMENT		ACRE		0.75	
LABOR-----MACHINERY	0.39	HOURL	4.50	1.75	
EQUIPMENT	0.42	HOURL	4.50	1.89	
OPERATING CAPITAL	10.45	DOL.	0.130	1.36	
SUBTOTAL, PREHARVEST		ACRE		\$ 125.34	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 125.34	\$
BREAK-EVEN PRICE, VARIABLE COSTS				\$125.34/ACRE PASTURE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -125.34	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		4.60	
EQUIPMENT		ACRE		2.61	
LAND-CASH RENT	1.00	ACRE	5.00	5.00	
TOTAL FIXED COSTS		ACRE		\$ 12.21	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 137.56	\$
BREAK-EVEN PRICE, TOTAL COSTS				\$137.56/ACRE PASTURE	
6. NET PROJECTED RETURNS		ACRE		\$ -137.56	\$

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.

BUFFLE GRASS ESTABLISHMENT, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
1984 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	2.22	1.75	0.0	6.05	10.02
TOTALS				0.389	0.295	2.22	1.75	0.0	6.05	10.02

BUFFEL GRASS, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
PASTURE	2.50	AUM	0.0	0.0	
TOTAL PROJECTED RETURNS				\$ 0.0	\$
2. VARIABLE COSTS		INPUT USE			
PREHARVEST COSTS					
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.	0.130	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		\$ 1.92/AUM	PASTURE		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -4.81	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		0.0	
EQUIPMENT		ACRE		0.97	
LAND-CASH RENT	1.00	ACRE	10.00	10.00	
PRORATED ESTABL	137.56	DOL.	0.10	13.76	
TOTAL FIXED COSTS		ACRE		\$ 24.73	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 29.53	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 11.81/AUM	PASTURE		
6. NET PROJECTED RETURNS		ACRE		\$ -29.53	\$

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BUFFEL GRASS, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
1984 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

		PRICE OF PASTURE (DOLLARS)				
		1.54	1.73	1.92	2.12	2.31
QUANTITY OF PASTURE	AUM					
	2.00	-1.73	-1.35	-0.96	-0.58	-0.19
	2.25	-1.35	-0.91	-0.48	-0.05	0.38
	2.50	-0.96	-0.48	0.0	0.48	0.96
	2.75	-0.58	-0.05	0.48	1.01	1.54
	3.00	-0.19	0.38	0.96	1.54	2.12

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

BERMUDA TYPE GRASSES, ESTAB., IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
HAY	3.00	TON	135.00	405.00	
TOTAL PROJECTED RETURNS				\$ 405.00	\$
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
CUSTOM SPRIGGING	1.00	ACRE	75.00	75.00	
*NITROGEN (DRY)	150.00	LB.	0.27	40.50	
*HERBICIDES	2.00	ACRE	2.50	5.00	
*IRRIG. WATER	3.00	APPL	15.00	45.00	
IRRIGATION WATER	18.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		10.91	
EQUIPMENT		ACRE		2.26	
REPAIRS-----TRACTOR		ACRE		3.39	
EQUIPMENT		ACRE		2.61	
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	85.79	DOL.	0.130	11.15	
SUBTOTAL, PREHARVEST		ACRE		\$ 230.14	\$
HARVEST COSTS					
MOW,RAKE,BALE	100.00	BALE	0.45	45.00	
CUSTOM BALE HAUL	100.00	BALE	0.25	25.00	
SUBTOTAL, HARVEST		ACRE		\$ 70.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 300.14	\$
BREAK-EVEN PRICE, VARIABLE COSTS	\$100.05/TON HAY				
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 104.86	\$
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		23.48	
EQUIPMENT		ACRE		13.81	
LAND-CASH RENT	1.00	ACRE	40.00	40.00	
TOTAL FIXED COSTS		ACRE		\$ 77.29	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 377.43	\$
BREAK-EVEN PRICE, TOTAL COSTS	\$125.81/TON HAY				
6. NET PROJECTED RETURNS		ACRE		\$ 27.57	\$

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BERMUDA TYPE GRASSES, ESTAB., IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1984 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	1.87	0.95	0.0	3.82	6.63
FLOAT PLANE	2,45	JAN	1.00	0.216	0.164	1.77	0.97	0.0	3.92	6.06
DITCHER BLADE	4,48	MAR	0.01	0.005	0.004	0.02	0.02	0.0	0.09	0.13
HERB SPRAYR 6R	4,47	MAR	1.00	0.209	0.159	0.99	0.94	2.50	2.87	7.31
DITCHER BLADE	4,48	MAY	0.01	0.005	0.004	0.02	0.02	0.0	0.09	0.13
FERT.APPL,RNTD	4,59	MAY	1.00	0.203	0.154	0.85	0.91	40.50	2.41	44.68
MOLDBOARD PLOW	2,31	AUG	1.00	0.451	0.342	4.41	2.03	0.0	7.56	14.00
OFFSET DISC	2,38	AUG	2.00	0.421	0.319	3.74	1.89	0.0	7.63	13.27
OFFSET DISC	2,38	OCT	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
DITCHER BLADE	4,48	OCT	0.01	0.005	0.004	0.02	0.02	0.0	0.09	0.13
HERB SPRAYR 6R	4,47	OCT	1.00	0.209	0.159	0.99	0.94	2.50	2.87	7.31
TOTALS				2.146	1.626	16.55	9.66	45.50	34.57	106.28

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	15.00	0.0	21.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	OCT	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
TOTALS		18.00	4.500	0.0	0.0	20.25	45.00	0.0	65.25

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

		PRICE OF HAY (DOLLARS)				
		108.00	121.50	135.00	148.50	162.00
QUANTITY OF HAY	TON					
	2.40	-26.94	5.46	37.86	70.26	102.66
	2.70	-1.54	34.91	71.36	107.81	144.26
	3.00	23.86	64.36	104.86	145.36	185.86
	3.30	49.26	93.81	138.36	182.91	227.46
	3.60	74.66	123.26	171.86	220.46	269.06

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

BERMUDA GRASS HAY, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
HAY	12.00	TON	135.00	1620.00	
TOTAL PROJECTED RETURNS				\$ 1620.00	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
NITROGEN (DRY)	200.00	LB.	0.27	54.00	
*IRRIG. WATER	4.00	APPL	15.00	60.00	
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	-50.00	DOL.	0.130	-6.50	
SUBTOTAL, PREHARVEST		ACRE		\$ 141.53	\$
HARVEST COSTS					
MOW,RAKE,BALE	400.00	BALE	0.45	180.00	
CUSTOM BALE HAUL	400.00	BALE	0.25	100.00	
SUBTOTAL, HARVEST		ACRE		\$ 280.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 421.53	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 35.13/TON	HAY	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 1198.47	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		0.0	
EQUIPMENT		ACRE		2.72	
LAND-CASH RENT	1.00	ACRE	40.00	40.00	
PRORATED ESTABL	27.57	DOL.	0.10	2.76	
TOTAL FIXED COSTS		ACRE		\$ 45.48	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 467.00	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 38.92/TON	HAY	
6. NET PROJECTED RETURNS		ACRE		\$ 1153.00	\$

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BERMUDA GRASS HAY, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1984 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	15.00	0.0	21.75
WATER APPLICATION	JUNE	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	AUG	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
TOTALS		24.00	6.000	0.0	0.0	27.00	60.00	0.0	87.00

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 HAY (DOLLARS)				
		108.00	121.50	135.00	148.50	162.00
QUANTITY OF HAY	TON					
	9.60	671.27	800.87	930.47	1060.07	1189.67
	10.80	772.87	918.67	1064.47	1210.27	1356.07
	12.00	874.47	1036.47	1198.47	1360.47	1522.47
	13.20	976.07	1154.27	1332.47	1510.67	1688.87
	14.40	1077.67	1272.07	1466.47	1660.87	1855.27

BERMUDA PASTURE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
PASTURE	2.50	AUM	0.0	0.0	
TOTAL PROJECTED RETURNS				\$ 0.0	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
NITROGEN (DRY)	150.00	LB.	0.27	40.50	
*IRRIG. WATER	4.00	APPL	15.00	60.00	
IRRIGATION WATER	24.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		3.70	
EQUIPMENT		ACRE		2.26	
REPAIRS-----TRACTOR		ACRE		0.77	
EQUIPMENT		ACRE		0.72	
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	66.01	DOL.	0.130	8.58	
SUBTOTAL, PREHARVEST		ACRE		\$ 152.77	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 152.77	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 61.11/AUM	PASTURE		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -152.77	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		12.66	
EQUIPMENT		ACRE		5.20	
LAND-CASH RENT	1.00	ACRE	40.00	40.00	
PRORATED ESTABL	27.57	DOL.	0.10	2.76	
TOTAL FIXED COSTS		ACRE		\$ 60.61	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 213.38	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 85.35/AUM	PASTURE		
6. NET PROJECTED RETURNS		ACRE		\$ -213.38	\$

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BERMUDA PASTURE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1984 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	1.08	1.13	0.0	3.15	5.37
FLEX HARROW	4,57	JULY	1.00	0.252	0.191	1.08	1.13	0.0	3.15	5.37
SHREDDER 4R	4,46	JULY	1.00	0.283	0.214	1.34	1.27	0.0	4.41	7.03
SHREDDER 4R	4,46	SEPT	1.00	0.283	0.214	1.34	1.27	0.0	4.41	7.03
TOTALS				1.070	0.811	4.84	4.82	0.0	15.14	24.79

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	15.00	0.0	21.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	SEPT	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
TOTALS		24.00	6.000	0.0	0.0	27.00	60.00	0.0	87.00

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 PASTURE (DOLLARS)				
		48.89	55.00	61.11	67.22	73.33
QUANTITY OF PASTURE	AUM					
	2.00	-55.00	-42.77	-30.55	-18.33	-6.11
	2.25	-42.77	-29.03	-15.28	-1.53	12.22
	2.50	-30.55	-15.28	0.0	15.28	30.55
	2.75	-18.33	-1.53	15.28	32.08	48.89
	3.00	-6.11	12.22	30.55	48.89	67.22

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

SOYBEANS, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
SOYBEANS	30.00	BU.	5.00	150.00	
TOTAL PROJECTED RETURNS				\$ 150.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SOYBEAN SEED	60.00	LB.	0.50	30.00	
*INNOC.	1.00	APPL	1.10	1.10	
PHOSPHATE	30.00	LB.	0.25	7.50	
*IRRIG. WATER	3.00	APPL	15.00	45.00	
*INSECTICIDE	3.00	APPL	2.50	7.50	
PESTICIDE APPL.	3.00	APPL	4.50	13.50	
HERB, PREMERGE	1.00	APPL	9.00	9.00	
*FUNGICIDE	1.00	APPL	8.90	8.90	
IRRIGATION WATER	18.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		3.74	
REPAIRS-----TRACTOR		ACRE		0.87	
EQUIPMENT		ACRE		1.11	
LABOR-----MACHINERY	1.07	HOURL	4.50	4.81	
IRRIGATION	4.50	HOURL	4.50	20.25	
OPERATING CAPITAL	31.93	DOL.	0.130	4.15	
SUBTOTAL, PREHARVEST		ACRE		\$ 157.43	\$
HARVEST COSTS					
CUST HARV & HAUL	30.00	BU.	0.65	19.50	
FUEL & LUBE--TRACTOR		ACRE		0.29	
EQUIPMENT		ACRE		2.77	
REPAIRS-----TRACTOR		ACRE		0.06	
EQUIPMENT		ACRE		5.32	
LABOR-----MACHINERY	0.33	HOURL	4.50	1.48	
SUBTOTAL, HARVEST		ACRE		\$ 29.41	\$
TOTAL VARIABLE COSTS		ACRE		\$ 186.85	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 6.23/BU.	SOYBEANS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -36.85	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		12.58	
EQUIPMENT		ACRE		13.46	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
TOTAL FIXED COSTS		ACRE		\$ 76.04	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 262.89	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 8.76/BU.	SOYBEANS	
6. NET PROJECTED RETURNS		ACRE		\$ -112.89	\$

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.

SOYBEANS, IRRIGATED, TEXAS RIO GRANDE VALLEY
1984 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	0.80	1.27	0.0	3.04	5.11
OFFSET DISC	4,38	AUG	1.00	0.210	0.159	1.13	0.95	0.0	4.08	6.16
BEDDER 6R	1,35	AUG	1.00	0.151	0.115	1.45	0.68	0.0	2.63	4.76
PLANTER 6R	4,36	AUG	1.00	0.202	0.153	1.24	0.91	31.10	3.94	37.19
DITCHER BLADE	5,48	AUG	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
CULTIVATOR 6R	4,44	SEPT	1.00	0.207	0.157	1.07	0.93	0.0	3.26	5.26
DITCHER BLADE	5,48	OCT	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
DITCHER BLADE	5,48	NOV	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
COMBINE	14	DEC	1.00	0.246	0.196	8.90	1.10	0.0	7.85	17.86
GRAIN CART	4,61	DEC	1.00	0.082	0.063	0.47	0.37	0.0	1.05	1.89
TOTALS				1.397	1.069	15.10	6.29	31.10	26.04	78.53

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	15.00	0.0	21.75
WATER APPLICATION	OCT	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
TOTALS		18.00	4.500	0.0	0.0	20.25	45.00	0.0	65.25

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF SOYBEANS
(DOLLARS)

QUANTITY OF SOYBEANS	BU.	PRICE OF SOYBEANS (DOLLARS)				
		4.00	4.50	5.00	5.50	6.00
	24.00	-86.95	-74.95	-62.95	-50.95	-38.95
	27.00	-76.90	-63.40	-49.90	-36.40	-22.90
	30.00	-66.85	-51.85	-36.85	-21.85	-6.85
	33.00	-56.80	-40.30	-23.80	-7.30	9.20
	36.00	-46.75	-28.75	-10.75	7.25	25.25

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

BELL PEPPERS, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
BELL PEPPERS	400.00	CRTN	4.83	1932.00	
TOTAL PROJECTED RETURNS				\$ 1932.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*BELL PEPPERS	2.50	LB.	25.00	62.50	
*SIDE DRESS	1.00	ACRE	75.90	75.90	
FERTILIZER APPL	4.00	ACRE	3.00	12.00	
FOLIAR FEED	1.00	ACRE	2.72	2.72	
*HERBICIDE	1.00	ACRE	39.40	39.40	
*INSECTICIDE	16.00	APPL	5.00	80.00	
*FUNGICIDE	12.00	APPL	8.48	101.76	
PESTICIDE APPL.	16.00	APPL	4.50	72.00	
*IRRIG. WATER	8.00	APPL	15.00	120.00	
IRRIGATION WATER	48.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		13.13	
EQUIPMENT		ACRE		2.26	
REPAIRS-----TRACTOR		ACRE		3.66	
EQUIPMENT		ACRE		3.94	
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	169.75	DOL.	0.130	22.07	
SUBTOTAL, PREHARVEST		ACRE		\$ 861.20	\$
HARVEST COSTS					
HARVEST	400.00	CRTN	1.05	420.00	
PACK&CONT	400.00	CRTN	2.00	800.00	
MKT-VEGETABLES	400.00	CRTN	0.40	160.00	
SUBTOTAL, HARVEST		ACRE		\$ 1380.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 2241.20	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.60/CRTN	BELL PEPPERS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -309.20	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		31.21	
EQUIPMENT		ACRE		13.40	
LAND-CASH RENT	1.00	ACRE	90.00	90.00	
TOTAL FIXED COSTS		ACRE		\$ 134.62	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 2375.82	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.94/CRTN	BELL PEPPERS	
6. NET PROJECTED RETURNS		ACRE		\$ -443.82	\$
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.

BELL PEPPERS, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1984 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	0.80	1.27	0.0	3.04	5.11
MOLDBOARD PLOW	1,31	JUNE	0.50	0.226	0.171	2.48	1.02	0.0	4.68	8.17
CHISEL PLOW	4,33	JUNE	0.50	0.084	0.064	0.45	0.38	0.0	1.40	2.23
OFFSET DISC	1,38	JUNE	1.00	0.210	0.159	2.12	0.95	0.0	4.66	7.73
FLOAT PLANE	4,45	JUNE	1.00	0.216	0.164	1.00	0.97	0.0	3.60	5.57
BEDDER 6R	1,35	JULY	1.00	0.151	0.115	1.45	0.68	0.0	2.63	4.76
ROTOVATOR 4R	1,42	JULY	1.00	0.233	0.176	2.56	1.05	0.0	4.74	8.35
HERB SPRAYR 6R	4,47	JULY	1.00	0.209	0.159	0.99	0.94	26.40	2.87	31.20
STANHAY PLANTR	1,58	JULY	1.00	0.310	0.235	3.87	1.40	62.50	5.54	73.30
DITCHER BLADE	5,48	JULY	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
HERB SPRAYR 6R	4,47	AUG	1.00	0.209	0.159	0.99	0.94	13.00	2.87	17.81
DITCHER BLADE	5,48	AUG	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
RLNG CULT 6R	2,34	AUG	1.00	0.194	0.147	1.80	0.88	0.0	2.78	5.45
DITCHER BLADE	5,48	SEPT	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
RLNG CULT 6R	2,34	SEPT	1.00	0.194	0.147	1.80	0.88	0.0	2.78	5.45
DITCHER BLADE	5,48	OCT	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
DITCHER BLADE	5,48	NOV	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
TOTALS				2.546	1.929	20.37	11.46	101.90	41.90	175.63

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	30.00	0.0	43.50
WATER APPLICATION	AUG	12.00	3.000	0.0	0.0	13.50	30.00	0.0	43.50
WATER APPLICATION	SEPT	12.00	3.000	0.0	0.0	13.50	30.00	0.0	43.50
WATER APPLICATION	OCT	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
TOTALS		48.00	12.000	0.0	0.0	54.00	120.00	0.0	174.00

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)

		3.86	4.35	4.83	5.31	5.80
CRTN						
QUANTITY OF BELL PEPPERS	320.00	-728.72	-574.16	-419.60	-265.04	-110.48
	360.00	-712.16	-538.28	-364.40	-190.52	-16.64
	400.00	-695.60	-502.40	-309.20	-116.00	77.20
	440.00	-679.04	-466.52	-254.00	-41.48	171.04
	480.00	-662.48	-430.64	-198.80	33.04	264.88

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

CABBAGE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
CABBAGE	600.00	CRTN	2.17	1302.00	
TOTAL PROJECTED RETURNS				\$ 1302.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*CABBAGE SEED	1.00	LB.	75.00	75.00	
*NITROGEN (DRY)	200.00	LB.	0.27	54.00	
*PHOSPHATE	80.00	LB.	0.25	20.00	
*HERBICIDE	1.00	ACRE	21.12	21.12	
*INSECTICIDE	23.00	APPL	6.11	140.53	
PESTICIDE APPL.	23.00	APPL	4.50	103.50	
*FUNGICIDE	12.00	APPL	4.06	48.72	
*IRRIG. WATER	7.00	APPL	15.00	105.00	
IRRIGATION WATER	42.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		14.79	
EQUIPMENT		ACRE		2.75	
REPAIRS-----TRACTOR		ACRE		4.14	
EQUIPMENT		ACRE		3.44	
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	361.19	DOL.	0.130	46.95	
SUBTOTAL, PREHARVEST		ACRE		\$ 843.61	\$
HARVEST COSTS					
HARVEST	600.00	CRTN	1.00	600.00	
PACK & CON	600.00	CRTN	1.85	1110.00	
MKT-VEGETABLES	600.00	CRTN	0.40	240.00	
SUBTOTAL, HARVEST		ACRE		\$ 1950.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 2793.61	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 4.66/CRTN	CABBAGE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$-1491.61	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		36.84	
EQUIPMENT		ACRE		19.34	
LAND-CASH RENT	1.00	ACRE	90.00	90.00	
TOTAL FIXED COSTS		ACRE		\$ 146.19	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 2939.80	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.90/CRTN	CABBAGE	
6. NET PROJECTED RETURNS		ACRE		\$-1637.80	\$
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.

CABBAGE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1984 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	0.80	1.27	0.0	3.04	5.11
OFFSET DISC	1,38	JUNE	1.00	0.210	0.159	2.12	0.95	0.0	4.66	7.73
MOLDBOARD PLOW	1,31	JULY	0.50	0.226	0.171	2.48	1.02	0.0	4.68	8.17
CHISEL PLOW	1,33	JULY	0.50	0.084	0.064	0.85	0.38	0.0	1.63	2.86
HERB SPRAYR 6R	4,47	JULY	1.00	0.209	0.159	0.99	0.94	21.12	2.87	25.93
FLOAT PLANE	1,45	AUG	1.00	0.216	0.164	2.03	0.97	0.0	4.18	7.18
BEDDER 6R	2,35	AUG	1.00	0.151	0.115	1.27	0.68	0.0	2.02	3.97
FERT.APPL,RNTD	4,59	AUG	1.00	0.203	0.154	0.85	0.91	74.00	2.41	78.18
STANHAY PLANTR	1,58	AUG	1.00	0.310	0.235	3.87	1.40	75.00	5.54	85.80
DITCHER BLADE	5,48	AUG	0.50	0.252	0.191	0.62	1.13	0.0	3.17	4.92
CULTIVATOR 6R	2,44	OCT	1.00	0.207	0.157	1.80	0.93	0.0	3.00	5.73
DITCHER BLADE	5,48	OCT	0.50	0.252	0.191	0.62	1.13	0.0	3.17	4.92
CULTIVATOR 6R	2,44	NOV	1.00	0.207	0.157	1.80	0.93	0.0	3.00	5.73
DITCHER BLADE	5,48	DEC	0.50	0.252	0.191	0.62	1.13	0.0	3.17	4.92
DITCHER BLADE	5,48	FEB	0.50	0.252	0.191	0.62	1.13	0.0	3.17	4.92
DITCHER BLADE	5,48	MAR	0.50	0.252	0.191	0.62	1.13	0.0	3.17	4.92
TOTALS				3.568	2.703	21.95	16.06	170.12	52.88	261.01

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	30.00	0.0	43.50
WATER APPLICATION	OCT	12.00	3.000	0.0	0.0	13.50	30.00	0.0	43.50
WATER APPLICATION	DEC	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	FEB	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	MAR	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
TOTALS		42.00	10.500	0.0	0.0	47.25	105.00	0.0	152.25

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF CABBAGE
(DOLLARS)

	1.74	1.95	2.17	2.39	2.60
CRTN					
480.00	-1570.33	-1466.17	-1362.01	-1257.85	-1153.69
540.00	-1661.17	-1543.99	-1426.81	-1309.63	-1192.45
600.00	-1752.01	-1621.81	-1491.61	-1361.41	-1231.21
660.00	-1842.85	-1699.63	-1556.41	-1413.19	-1269.97
720.00	-1933.69	-1777.45	-1621.21	-1464.97	-1308.73

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

CANTALOUPE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
CANTALOUPE	375.00	CRTN	7.58	2842.50	
TOTAL PROJECTED RETURNS				\$ 2842.50	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*CANTALOUPE SEED	3.00	LB.	4.50	13.50	
*NITROGEN (DRY)	120.00	LB.	0.27	32.40	
*PHOSPHATE	80.00	LB.	0.25	20.00	
*INSECTICIDE	5.00	APPL	4.00	20.00	
*HERBICIDE	2.00	ACRE	43.66	87.32	
*FUNGICIDE	6.00	APPL	3.50	21.00	
PESTICIDE APPL.	6.00	APPL	4.50	27.00	
*IRRIG. WATER	5.00	APPL	15.00	75.00	
BEE RENT	0.33	ACRE	18.00	5.94	
IRRIGATION WATER	30.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		21.44	
EQUIPMENT		ACRE		2.26	
REPAIRS-----TRACTOR		ACRE		6.58	
EQUIPMENT		ACRE		5.14	
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	29.86	DOL.	0.130	3.88	
SUBTOTAL, PREHARVEST		ACRE		\$ 441.32	\$
HARVEST COSTS					
HARVEST	375.00	CRTN	1.20	450.00	
PACK & CONT.	375.00	CRTN	2.75	1031.25	
MKT-VEGETABLES	375.00	CRTN	0.40	150.00	
SUBTOTAL, HARVEST		ACRE		\$ 1631.25	\$
TOTAL VARIABLE COSTS		ACRE		\$ 2072.57	\$
BREAK-EVEN PRICE, VARIABLE COSTS				\$ 5.53/CRTN CANTALOUPE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 769.93	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		44.22	
EQUIPMENT		ACRE		18.12	
LAND-CASH RENT	1.00	ACRE	90.00	90.00	
TOTAL FIXED COSTS		ACRE		\$ 152.34	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 2224.91	\$
BREAK-EVEN PRICE, TOTAL COSTS				\$ 5.93/CRTN CANTALOUPE	
6. NET PROJECTED RETURNS		ACRE		\$ 617.59	\$

CANTALOUPE SOLD IN 40 POUND CARTONS.

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CANTALOUPE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1984 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	0.80	1.27	0.0	3.04	5.11
OFFSET DISC	1,38	SEPT	1.00	0.210	0.159	2.12	0.95	0.0	4.66	7.73
OFFSET DISC	1,38	OCT	2.00	0.421	0.319	4.25	1.89	0.0	9.31	15.45
MOLDBOARD PLOW	1,31	OCT	0.50	0.226	0.171	2.48	1.02	0.0	4.68	8.17
CHISEL PLOW	1,33	OCT	0.50	0.084	0.064	0.85	0.38	0.0	1.63	2.86
RLNG CULT 6R	2,34	OCT	1.00	0.194	0.147	1.80	0.88	0.0	2.78	5.45
FLOAT PLANE	1,45	NOV	1.00	0.216	0.164	2.03	0.97	0.0	4.18	7.18
RLNG CULT 6R	2,34	NOV	1.00	0.194	0.147	1.80	0.88	0.0	2.78	5.45
RLNG CULT 6R	2,34	DEC	1.00	0.194	0.147	1.80	0.88	0.0	2.78	5.45
BEDDER 6R	2,35	JAN	1.00	0.151	0.115	1.27	0.68	0.0	2.02	3.97
FERT.APPL,RNTD	4,59	JAN	1.00	0.203	0.154	0.85	0.91	52.40	2.41	56.58
HERB SPRAYR 6R	2,47	JAN	1.00	0.209	0.159	1.73	0.94	43.66	2.61	48.94
RLNG CULT 6R	2,34	FEB	1.00	0.194	0.147	1.80	0.88	0.0	2.78	5.45
STANHAY PLANTR	1,58	FEB	1.00	0.310	0.235	3.87	1.40	13.50	5.54	24.30
DITCHER BLADE	5,48	FEB	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
HERB SPRAYR 6R	2,47	MAR	1.00	0.209	0.159	1.73	0.94	43.66	2.61	48.94
RLNG CULT 6R	2,34	MAR	1.00	0.194	0.147	1.80	0.88	0.0	2.78	5.45
DITCHER BLADE	5,48	MAR	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
RLNG CULT 6R	2,34	APR	1.00	0.194	0.147	1.80	0.88	0.0	2.78	5.45
DITCHER BLADE	5,48	APR	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
DITCHER BLADE	5,48	MAY	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
TOTALS				3.710	2.811	32.81	16.70	153.22	59.62	262.35

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	30.00	0.0	43.50
WATER APPLICATION	MAR	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	APR	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
TOTALS		30.00	7.500	0.0	0.0	33.75	75.00	0.0	108.75

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF CANTALOUPE
(DOLLARS)

		6.06	6.82	7.58	8.34	9.10
CRTN						
QUANTITY OF CANTALOUPE	300.00	72.88	300.28	527.68	755.08	982.48
	337.50	137.15	392.98	648.80	904.63	1160.45
	375.00	201.43	485.68	769.93	1054.18	1338.43
	412.50	265.70	578.38	891.05	1203.73	1516.40
	450.00	329.98	671.08	1012.18	1353.28	1694.38

CARROTS, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
CARROTS	400.00	BAGS	5.75	2300.00	
TOTAL PROJECTED RETURNS				\$ 2300.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*CARROT SEED	2.00	LB.	6.50	13.00	
*NITROGEN (DRY)	100.00	LB.	0.27	27.00	
*PHOSPHATE	60.00	LB.	0.25	15.00	
*HERBICIDE	2.00	ACRE	21.12	42.24	
*INSECTICIDE	4.00	APPL	3.17	12.68	
*FUNGICIDE	6.00	APPL	4.06	24.36	
*FUMIGATE	1.00	ACRE	0.15	0.15	
PESTICIDE APPL.	5.00	APPL	4.50	22.50	
*IRRIG. WATER	5.00	APPL	15.00	75.00	
IRRIGATION WATER	30.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		20.42	
EQUIPMENT		ACRE		2.75	
REPAIRS-----TRACTOR		ACRE		6.08	
EQUIPMENT		ACRE		4.47	
LABOR-----MACHINERY	3.19	HOUR	4.50	14.38	
IRRIGATION	7.50	HOUR	4.50	33.75	
EQUIPMENT	1.19	HOUR	4.50	5.35	
OPERATING CAPITAL	72.99	DOL.	0.130	9.49	
SUBTOTAL, PREHARVEST		ACRE		\$ 328.61	\$
HARVEST COSTS					
HARVEST	400.00	BAGS	1.15	460.00	
PACK & CONT	400.00	BAGS	2.40	960.00	
MKT-VEGETABLES	400.00	CRTN	0.40	160.00	
SUBTOTAL, HARVEST		ACRE		\$ 1580.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1908.61	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 4.77/BAGS	CARROTS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 391.39	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		44.23	
EQUIPMENT		ACRE		19.24	
LAND-CASH RENT	1.00	ACRE	90.00	90.00	
TOTAL FIXED COSTS		ACRE		\$ 153.47	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 2062.08	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.16/BAGS	CARROTS	
6. NET PROJECTED RETURNS		ACRE		\$ 237.92	\$
PACKED 48 ONE LBS. CELLO BAGS PER BAG					

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CARROTS, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1984 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
WTR TANK&TRALR	6,49	JULY	1.00	0.440	0.333	6.53	1.98	0.0	10.14	18.65
SHREDDER 4R	1,46	JULY	1.00	0.283	0.214	2.68	1.27	0.0	5.19	9.14
MOLDBOARD PLOW	1,31	JULY	0.50	0.226	0.171	2.48	1.02	0.0	4.68	8.17
CHISEL PLOW	5,33	JULY	0.50	0.084	0.064	0.29	0.38	0.0	0.99	1.66
OFFSET DISC	1,38	JULY	2.00	0.421	0.319	4.25	1.89	0.0	9.31	15.45
OFFSET DISC	1,38	AUG	2.00	0.421	0.319	4.25	1.89	0.0	9.31	15.45
FLOAT PLANE	1,45	AUG	1.00	0.216	0.164	2.03	0.97	0.0	4.18	7.18
BEDDER 6R	2,35	AUG	1.00	0.151	0.115	1.27	0.68	0.0	2.02	3.97
FERT.APPL,RNTD	4,59	AUG	1.00	0.203	0.154	0.85	0.91	42.00	2.41	46.18
HERB SPRAYR 6R	47	SEPT	1.00	0.0	0.159	0.12	0.0	21.12	0.40	21.63
STANHAY PLANTR	2,58	SEPT	1.00	0.310	0.235	3.49	1.40	13.00	4.30	22.19
DITCHER BLADE	5,48	SEPT	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
HERB SPRAYR 6R	47	DCT	1.00	0.0	0.159	0.12	0.0	21.12	0.40	21.63
CULTIVATOR 6R	4,44	DCT	1.00	0.207	0.157	1.07	0.93	0.0	3.26	5.26
DITCHER BLADE	5,48	DCT	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
DITCHER BLADE	5,48	NOV	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
DITCHER BLADE	5,48	DEC	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
CULTIVATOR 6R	4,44	JAN	1.00	0.207	0.157	1.07	0.93	0.0	3.26	5.26
DITCHER BLADE	5,48	JAN	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
TOTALS				3.195	2.737	30.54	14.38	97.24	60.17	202.32

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	SEPT	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	OCT	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	DEC	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	JAN	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
TOTALS		30.00	7.500	0.0	0.0	33.75	75.00	0.0	108.75

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF CARROTS
(DOLLARS)

		4.60	5.18	5.75	6.32	6.90
BAGS						
QUANTITY OF CARROTS	320.00	-120.61	63.39	247.39	431.39	615.39
	360.00	-94.61	112.39	319.39	526.39	733.39
	400.00	-68.61	161.39	391.39	621.39	851.39
	440.00	-42.61	210.39	463.39	716.39	969.39
	480.00	-16.61	259.39	535.39	811.39	1087.39

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

CUCUMBERS, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CUCUMBERS	300.00	CRTN	8.33	2499.00	
TOTAL PROJECTED RETURNS				\$ 2499.00	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*CUCUMBER SEED	2.50	LB.	8.00	20.00	
*NITROGEN (DRY)	100.00	LB.	0.27	27.00	
*PHOSPHATE	60.00	LB.	0.25	15.00	
FOLFEED	1.00	ACRE	3.50	3.50	
*HERBICIDE	1.00	ACRE	43.66	43.66	
*INSECTICIDE	5.00	APPL	4.00	20.00	
*FUNGICIDE	6.00	APPL	3.50	21.00	
PESTICIDE APPL.	7.00	APPL	4.50	31.50	
*IRRIG. WATER	8.00	APPL	15.00	120.00	
BEE RENT	1.00	ACRE	18.00	18.00	
IRRIGATION WATER	48.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		11.25	
EQUIPMENT		ACRE		2.26	
REPAIRS-----TRACTOR		ACRE		3.36	
EQUIPMENT		ACRE		3.06	
LABOR-----MACHINERY	2.48	HOURL	4.50	11.14	
IRRIGATION	12.00	HOURL	4.50	54.00	
EQUIPMENT	0.98	HOURL	4.50	4.41	
OTHER	10.00	HOURL	4.50	45.00	
OPERATING CAPITAL	-0.37	DOL.	0.130	-0.05	
SUBTOTAL, PREHARVEST		ACRE		\$ 454.10	\$
HARVEST COSTS					
HARVEST	300.00	CRTN	1.45	435.00	
PACK & CONT	300.00	CRTN	1.80	540.00	
MKT-VEGETABLES	300.00	CRTN	0.40	120.00	
SUBTOTAL, HARVEST		ACRE		\$ 1095.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1549.10	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.16/CRTN CUCUMBERS		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 949.90	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		25.58	
EQUIPMENT		ACRE		12.35	
LAND-CASH RENT	1.00	ACRE	90.00	90.00	
TOTAL FIXED COSTS		ACRE		\$ 127.93	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 1677.02	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.59/CRTN CUCUMBERS		
6. NET PROJECTED RETURNS		ACRE		\$ 821.97	\$

CUCUMBERS SOLD IN 50-55 POUND BUSHEL CARTONS.

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