

PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 02/16/82.

B-1241 (C 6)

GUAR, DRYLAND, TEXAS ROLLING PLAINS II REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
GUAR	6.60	CWT.	20.00	132.00	_____
TOTAL PROJECTED RETURNS				\$ 132.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*GUAR SEED	8.00	LB.	0.30	2.40	_____
MISC EXPENSE	1.00	DOL.	1.00	1.00	_____
*HERBICIDE	1.00	ACRE	6.00	6.00	_____
FUEL & LUBE---TRACTOR		ACRE		8.88	_____
EQUIPMENT		ACRE		1.36	_____
REPAIRS-----TRACTOR		ACRE		1.63	_____
EQUIPMENT		ACRE		1.47	_____
LABOR-----MACHINERY	1.29	HOURL	5.00	6.44	_____
EQUIPMENT	0.50	HOURL	5.00	2.50	_____
OPERATING CAPITAL	1.71	DOL.	0.074	0.13	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 31.81	\$ _____
HARVEST COSTS					
CUSTOM HARVEST	1.00	ACRE	12.00	12.00	_____
CUSTOM HAUL	6.60	CWT.	0.25	1.65	_____
SUBTOTAL, HARVEST		ACRE		\$ 13.65	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 45.46	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS \$ 6.89/CWT. GUAR					
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 86.54	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		7.83	_____
EQUIPMENT		ACRE		5.52	_____
LAND---NET SHARE-RENT		ACRE		39.06	_____
TOTAL FIXED COSTS		ACRE		\$ 52.41	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 97.87	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS \$ 14.83/CWT. GUAR					
6. NET PROJECTED RETURNS		ACRE		\$ 34.13	\$ _____

LAND CHARGE USES LANDLORD'S SHARE OF GROSS 33% LESS OF HARVEST AND HAUL.

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1982 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
TANDEM DISC	2,40	MAY	2.00	0.417	0.316	4.15	2.08	0.0	3.59	9.82
LISTER-PLNT6R	3,36	MAY	1.00	0.151	0.115	1.25	0.76	0.0	1.46	3.47
HERB SPR/DISC	61	MAY	1.00	0.0	0.158	0.01	0.0	6.00	0.12	6.14
SAND FIGHTER	3,51	MAY	2.00	0.151	0.115	1.24	0.76	0.0	1.10	3.10
LISTER-PLNT6R	3,36	JUNE	1.10	0.166	0.126	1.38	0.83	2.40	1.61	6.22
ROLLING CULT	3,30	JUNE	1.00	0.194	0.147	1.61	0.97	0.0	1.59	4.17
CULTIVATOR 6R	2,33	JULY	1.00	0.207	0.157	2.03	1.04	0.0	2.16	5.22
TOTALS				1.287	1.133	11.67	6.44	8.40	11.63	38.14

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 GUAR (DOLLARS)				
		16.00	18.00	20.00	22.00	24.00
QUANTITY OF GUAR	CWT.					
	5.28	15.86	22.94	30.01	37.09	44.16
	5.94	22.83	30.79	38.75	46.71	54.67
	6.60	29.79	38.64	47.48	56.32	65.17
	7.26	36.76	46.49	56.21	65.94	75.67
	7.92	43.72	54.33	64.95	75.56	86.17

GUAR, IRRIGATED, TEXAS ROLLING PLAINS II REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
GUAR	15.00	CWT.	20.00	300.00	
TOTAL PROJECTED RETURNS				\$ 300.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*GUAR SEED	8.00	LB.	0.30	2.40	
MISC EXPENSE	1.00	DOL.	1.00	1.00	
*HERBICIDE	1.00	ACRE	6.00	6.00	
IRRIGATION WATER	10.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		11.38	
EQUIPMENT		ACRE		2.73	
IRRIGATION		ACRE		22.57	
REPAIRS--TRACTOR		ACRE		2.10	
EQUIPMENT		ACRE		2.21	
IRRIGATION		ACRE		2.39	
LABOR--MACHINERY	1.63	HOURL	5.00	8.15	
IRRIGATION	1.00	HOURL	5.00	5.00	
EQUIPMENT	1.00	HOURL	5.00	5.00	
OTHER	2.00	HOURL	5.00	10.00	
OPERATING CAPITAL	6.97	DOL.	0.074	0.52	
SUBTOTAL, PREHARVEST		ACRE		\$ 87.44	\$
HARVEST COSTS					
CUSTOM HARVEST	1.00	ACRE	12.00	12.00	
CUSTOM HAUL	15.00	CWT.	0.25	3.75	
SUBTOTAL, HARVEST		ACRE		\$ 15.75	\$
TOTAL VARIABLE COSTS		ACRE		\$ 97.19	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 6.48/CWT.	GUAR		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 202.81	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		9.89	
EQUIPMENT		ACRE		8.91	
IRRIGATION		ACRE		18.13	
LAND--NET SHARE-RENT		ACRE		93.80	
TOTAL FIXED COSTS		ACRE		\$ 130.74	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 227.93	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 15.20/CWT.	GUAR		
6. NET PROJECTED RETURNS		ACRE		\$ 72.07	\$

LAND CHARGE USES LANDLORD'S SHARE OF GROSS 33% LESS 33% OF HARVEST AND HAUL.

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GUAR, IRRIGATED, TEXAS ROLLING PLAINS II REGION
1982 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
MOLDBOARD 6B	2,47	JAN	0.50	0.189	0.143	1.99	0.95	0.0	2.18	5.11
CHISEL	2,44	JAN	0.50	0.066	0.050	0.72	0.33	0.0	0.62	1.67
TANDEM DISC	2,40	MAY	1.00	0.208	0.158	2.07	1.04	0.0	1.79	4.91
HERB SPR/DISC	61	MAY	1.00	0.0	0.158	0.01	0.0	6.00	0.12	6.14
ROLLING CULT	3,30	MAY	1.00	0.194	0.147	1.61	0.97	0.0	1.59	4.17
SAND FIGHTER	3,51	JUNE	2.00	0.151	0.115	1.24	0.76	0.0	1.10	3.10
LISTER-PLNT6R	3,36	JUNE	1.40	0.212	0.160	1.75	1.06	2.40	2.05	7.26
ROLLING CULT	3,30	JULY	1.00	0.194	0.147	1.61	0.97	0.0	1.59	4.17
CULTIVATOR 6R	2,33	JULY	1.00	0.207	0.157	2.03	1.04	0.0	2.16	5.22
CULTIVATOR 6R	2,33	AUG	1.00	0.207	0.157	2.03	1.04	0.0	2.16	5.22
TOTALS				1.630	1.393	15.06	8.15	8.40	15.36	46.97

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	MAY	6.00	0.600	4.023	14.98	3.00	0.0	10.88	28.85
WATER APPLICATION	AUG	4.00	0.400	2.682	9.98	2.00	0.0	7.25	19.24
TOTALS		10.00	1.000	6.705	24.96	5.00	0.0	18.13	48.09

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 GUAR (DOLLARS)				
		16.00	18.00	20.00	22.00	24.00
QUANTITY OF GUAR	CWT.	37.15	53.23	69.31	85.39	101.47
	12.00	52.98	71.07	89.16	107.25	125.34
	13.50	68.81	88.91	109.01	129.11	149.21
	15.00	84.64	106.75	128.86	150.97	173.08
	16.50	100.46	124.58	148.70	172.82	196.94
	18.00					

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B-1241(C 6)

WHEAT, DRYLAND, TEXAS ROLLING PLAINS II REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
WHEAT	22.00	BU.	3.85	84.70	-----
WHEAT PASTURE	78.00	DAYS	0.07	5.46	-----
TOTAL PROJECTED RETURNS				\$ 90.16	\$ -----
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SEED WHEAT	1.00	BU.	7.20	7.20	-----
FERT (N) APPL'D	16.00	LB.	0.26	4.16	-----
FERT (P) APPL'D	20.00	LB.	0.28	5.60	-----
INSECTICIDE	1.00	APPL	3.50	3.50	-----
MISC EXPENSE	1.00	DOL.	1.00	1.00	-----
FUEL & LUBE--TRACTOR		ACRE		6.34	-----
EQUIPMENT		ACRE		0.33	-----
REPAIRS-----TRACTOR		ACRE		1.19	-----
EQUIPMENT		ACRE		0.77	-----
LABOR-----MACHINERY	0.46	HR	5.00	2.32	-----
EQUIPMENT	0.12	HR	5.00	0.60	-----
OPERATING CAPITAL	14.44	DOL.	0.074	1.07	-----
SUBTOTAL, PREHARVEST		ACRE		\$ 34.08	\$ -----
HARVEST COSTS					
CUSTOM HARVEST	1.00	ACRE	10.00	10.00	-----
CUSTOM HAUL	22.00	BU.	0.15	3.30	-----
SUBTOTAL, HARVEST		ACRE		\$ 13.30	\$ -----
TOTAL VARIABLE COSTS		ACRE		\$ 47.38	\$ -----
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 1.91/BU.	WHEAT		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 42.78	\$ -----
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		4.94	-----
EQUIPMENT		ACRE		2.96	-----
LAND---NET SHARE-RENT		ACRE		20.00	-----
CROP INSURANCE	1.00	ACRE	3.00	3.00	-----
TOTAL FIXED COSTS		ACRE		\$ 30.90	\$ -----
5. TOTAL PROJECTED COSTS		ACRE		\$ 78.28	\$ -----
BREAK-EVEN PRICE, TOTAL COSTS		\$ 3.31/BU.	WHEAT		
6. NET PROJECTED RETURNS		ACRE		\$ 11.88	\$ -----

LAND (NET RENT) BASED ON 33% OF GROSS INCOME LESS 33% OF FERTILIZER, INSECTICIDE, HARVEST, AND HAUL.

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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
CHISEL	6,44	JUNE	1.00	0.132	0.100	2.39	0.66	0.0	1.86	4.91
CHISEL	6,44	JULY	1.00	0.132	0.100	2.39	0.66	0.0	1.86	4.91
CHISEL	6,44	AUG	1.00	0.132	0.100	2.39	0.66	0.0	1.86	4.91
GRAIN DRILL	6,58	SEPT	0.25	0.070	0.053	1.06	0.35	7.20	1.03	9.64
GRAIN DRILL	58	SEPT	0.25	0.0	0.053	0.0	0.0	0.0	0.29	0.29
GRAIN DRILL	58	SEPT	0.25	0.0	0.053	0.0	0.0	0.0	0.29	0.29
GRAIN DRILL	58	SEPT	0.25	0.0	0.053	0.0	0.0	0.0	0.29	0.29
TOTALS				0.465	0.511	8.23	2.32	7.20	7.49	25.24

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 WHEAT (DOLLARS)				
		3.08	3.46	3.85	4.23	4.62
QUANTITY OF WHEAT	BU.					
	17.60	2.79	7.33	11.87	16.41	20.95
	19.80	7.11	12.22	17.32	22.43	27.54
	22.00	11.43	17.10	22.78	28.45	34.13
	24.20	15.75	21.99	28.23	34.47	40.72
	26.40	20.07	26.88	33.69	40.50	47.31

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ALFALFA ESTABLISHMENT, IRRIGATED, TEXAS ROLLING PLAINS II REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
ALFALFA HAY	1.00	ACRE	0.0	0.0	
TOTAL PROJECTED RETURNS				\$ 0.0	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*ALFALFA SEED	25.00	LB.	1.30	32.50	
FERT (N) APPL'D	16.00	LB.	0.26	4.16	
FERT (P) APPL'D	20.00	LB.	0.28	5.60	
IRRIGATION WATER	4.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		3.23	
EQUIPMENT		ACRE		1.64	
IRRIGATION		ACRE		9.03	
REPAIRS-----TRACTOR		ACRE		0.62	
EQUIPMENT		ACRE		0.78	
IRRIGATION		ACRE		0.96	
LABOR-----MACHINERY	0.48	HOURL	5.00	2.40	
IRRIGATION	0.40	HOURL	5.00	2.00	
EQUIPMENT	0.60	HOURL	5.00	3.00	
OPERATING CAPITAL	19.78	DOL.	0.074	1.47	
SUBTOTAL, PREHARVEST		ACRE		\$ 67.38	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 67.38	\$
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -67.38	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		2.91	
EQUIPMENT		ACRE		4.23	
IRRIGATION		ACRE		7.25	
LAND-CASH RENT	1.00	ACRE	18.00	18.00	
TOTAL FIXED COSTS		ACRE		\$ 32.39	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 99.77	\$
6. NET PROJECTED RETURNS		ACRE		\$ -99.77	\$

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1982 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
CHISEL	2,44	JULY	1.00	0.132	0.100	1.43	0.66	0.0	1.25	3.34
TANDEM DISC	3,40	AUG	1.00	0.208	0.158	1.69	1.04	0.0	1.84	4.57
GRAIN DRILL	2,58	SEPT	0.50	0.140	0.106	1.14	0.70	32.50	1.41	35.75
GRAIN DRILL	58	SEPT	0.50	0.0	0.106	0.0	0.0	0.0	0.58	0.58
TOTALS				0.480	0.470	4.26	2.40	32.50	5.08	44.23

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	OCT	4.00	0.400	2.682	9.98	2.00	0.0	7.25	19.24
TOTALS		4.00	0.400	2.682	9.98	2.00	0.0	7.25	19.24

ALFALFA IRRIGATED TEXAS ROLLING PLAINS II REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
ALFALFA HAY					
TOTAL PROJECTED RETURNS	6.00	TON	70.00	420.00	
				\$ 420.00	
2. VARIABLE COSTS					
PREHARVEST COSTS					
FERT (P) APPL'D	46.00	LB.	0.28	12.88	
INSECTICIDE	3.00	DOL.	3.00	9.00	
MISC EXPENSE	1.00	ACIN.	1.00	1.00	
IRRIGATION WATER	20.00	ACRE			
FUEL & LUBE		ACRE		0.00	
TRACTOR		ACRE		1.91	
EQUIPMENT		ACRE		45.14	
IRRIGATION		ACRE		0.00	
TRACTOR		ACRE		0.00	
EQUIPMENT		ACRE		4.78	
IRRIGATION		ACRE		0.00	
LABOR		ACRE		5.00	
MACHINERY	0.00	ACRE	5.00	10.00	
IRRIGATION	2.00	ACRE	5.00	3.50	
EQUIPMENT	0.70	ACRE	0.074	0.38	
OPERATING CAPITAL	-5.08	ACRE		88.27	
SUBTOTAL, PREHARVEST					
HARVEST COSTS					
CUSTOM BALE		TON	26.40	158.40	
HAUL		ACRE		158.40	
SUBTOTAL, HARVEST	6.00	ACRE		246.67	
TOTAL VARIABLE COSTS					
BREAK-EVEN PRICE, VARIABLE COSTS		ACRE		\$ 246.67	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 41.11/TON	
ALFALFA HAY				\$ 173.33	
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		0.00	
EQUIPMENT		ACRE		2.41	
IRRIGATION		ACRE		36.26	
LAND---NET SHARE-RENT		ACRE		79.11	
ESTABLISHMENT 6Y		DOL.	0.17	16.96	
TOTAL FIXED COSTS	99.77	ACRE		134.74	
5. TOTAL PROJECTED COSTS		ACRE		\$ 381.40	
BREAK-EVEN PRICE, TOTAL COSTS		ACRE		\$ 63.57/TON	
ALFALFA HAY				\$ 38.60	
6. NET PROJECTED RETURNS		ACRE			
LAND CHARGE IS 33% OF GROSS LESS 33% OF FERT., INSECT., AND HARVEST.					
ESTABLISHMENT COSTS PRORATED OVER SIX YEARS.					

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1982 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	4.00	0.400	2.682	9.98	2.00	0.0	7.25	19.24
WATER APPLICATION	MAY	4.00	0.400	2.682	9.98	2.00	0.0	7.25	19.24
WATER APPLICATION	JUNE	4.00	0.400	2.682	9.98	2.00	0.0	7.25	19.24
WATER APPLICATION	JULY	4.00	0.400	2.682	9.98	2.00	0.0	7.25	19.24
WATER APPLICATION	AUG	4.00	0.400	2.682	9.98	2.00	0.0	7.25	19.24
TOTALS		20.00	2.000	13.409	49.92	10.00	0.0	36.26	96.18

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 ALFALFA HAY (DOLLARS)					
		56.00	63.00	70.00	77.00	84.00	
QUANTITY OF ALFALFA HAY	TON	4.80	14.15	36.66	59.17	81.68	104.19
		5.40	26.04	51.37	76.70	102.02	127.35
		6.00	37.94	66.08	94.22	122.36	150.50
		6.60	49.84	80.80	111.75	142.70	173.66
		7.20	61.74	95.51	129.28	163.05	196.81