

*Projections for Planning Purposes Only  
Not to be Used without Updating after January 1, 2012*

B-1241 (C6)

Table 29.D Estimated costs and returns per acre  
Sorghum-Sudangrass for Hay -- Irrigated-8 ton yield  
Center Pivot Irrigated, Far West Texas, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Sorghum Hay	ton	174.00	5.0000	870.00	_____
				-----	
TOTAL INCOME				870.00	_____
DIRECT EXPENSES					
FERTILIZERS					
Urea, Solid (46% N)	cwt	33.25	0.8900	29.59	_____
SEED/PLANTS					
Haygrazer Seed	lb	0.42	15.0000	6.30	_____
Operator Labor					
Tractors	hour	12.00	0.5529	6.63	_____
Self-Propelled	hour	12.00	0.4400	5.28	_____
Irrigation Labor					
Trans-Pecos Pivot NG	hour	11.00	0.0197	0.24	_____
Hand Labor					
Implements	hour	10.00	0.0942	0.94	_____
DIESEL FUEL					
Tractors	gal	3.30	3.9011	12.86	_____
Self-Propelled	gal	3.30	2.4000	7.92	_____
GASOLINE					
Pickup	gal	3.15	3.2160	10.14	_____
NATURAL GAS					
Trans-Pecos Pivot NG	Mcf	6.40	3.4237	21.90	_____
REPAIR & MAINTENANCE					
Implements	acre	2.01	1.0000	2.01	_____
Tractors	acre	1.28	1.0000	1.28	_____
Self-Propelled	acre	1.42	1.0000	1.42	_____
Pickup	ea	1200.00	0.0013	1.60	_____
Trans-Pecos Pivot NG	ac-in	2.00	4.5000	9.06	_____
INTEREST ON OP. CAP.	acre	2.36	1.0000	2.36	_____
				-----	
TOTAL DIRECT EXPENSES				119.53	_____
RETURNS ABOVE DIRECT EXPENSES				750.47	_____
FIXED EXPENSES					
Implements	acre	5.63	1.0000	5.63	_____
Tractors	acre	8.72	1.0000	8.72	_____
Self-Propelled	acre	3.58	1.0000	3.58	_____
Pickup	each	5901.77	0.0003	1.97	_____
Trans-Pecos Pivot NG	each	11527.57	0.0041	48.03	_____
				-----	
TOTAL FIXED EXPENSES				67.93	_____
				-----	
TOTAL SPECIFIED EXPENSES				187.46	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				682.54	_____
RESIDUAL ITEMS					
Trans Pecos Irr Lnd	acre	40.00	1.0000	40.00	_____
RESIDUAL RETURNS				642.54	_____

Note: Cost of production estimates are based on last year's input price

*Information presented is prepared solely as a general guide & not intended to recognize or predict the costs & returns from any one operation.  
Developed by Texas AgriLife Extension Service.*

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Table 29.A Estimated resource use and costs for field operations, per acre  
Sorghum-Sudangrass for Hay -- Irrigated-8 ton yield  
Center Pivot Irrigated, Far West Texas, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Chisel Plow(Folding)	24'	MFWD 190	0.076	1.00	Feb	2.74	1.84	0.44	0.86	0.07	0.92				6.80
Fert Spreader (dry)		2WD 50	0.033	1.00	Apr	0.31	0.12	0.02	0.04	0.03	0.40				0.89
Urea, Solid (46% N)	cwt											0.8900	33.25	29.59	29.59
Disk Harrow	24'	MFWD 190	0.081	1.00	Apr	2.92	1.97	0.38	0.89	0.08	0.98				7.14
Grain Drill	20'	MFWD 170	0.094	1.00	May	3.01	2.01	0.97	2.06	0.18	2.07				10.12
Haygrazer Seed	lb											15.0000	0.42	6.30	6.30
Baler	3X4	2WD 105	0.100	1.00	Aug	1.94	1.04	0.10	0.81	0.10	1.20				5.09
Swather	18ft		0.200			4.67	1.79			0.22	2.64				9.10
Bale Fork	1	2WD 105	0.033	1.00	Aug	0.64	0.35		0.08	0.03	0.40				1.47
Baler	3X4	2WD 105	0.100	1.00	Sep	1.94	1.04	0.10	0.81	0.10	1.20				5.09
Swather	18ft		0.200			4.67	1.79			0.22	2.64				9.10
Bale Fork	1	2WD 105	0.033	1.00	Sep	0.64	0.35		0.08	0.03	0.40				1.47
Pickup	each			1.00	Feb						1.97			0.0003	1.97
Application 1	ea								5.87					0.0006	5.87
Application 2	ea								5.87					0.0006	5.87
Trans-Pecos Pivot NG	each			1.00	Jun						48.03			0.0041	48.03
Application 1	ac-in								5.16	0.00	0.04			0.7500	5.20
Application 2	ac-in								5.16	0.00	0.04			0.7500	5.20
Application 3	ac-in								5.16	0.00	0.04			0.7500	5.20
Application 4	ac-in								5.16	0.00	0.04			0.7500	5.20
Application 5	ac-in								5.16	0.00	0.04			0.7500	5.20
Application 6	ac-in								5.16	0.00	0.04			0.7500	5.20
TOTALS						23.48	12.30	44.71	55.63	1.10	13.09			35.89	185.10
INTEREST ON OPERATING CAPITAL															2.36
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															187.46

Note: Cost of production estimates are based on last year's input prices.