

*Projections for Planning Purposes Only  
Not to be Used without Updating after January 1, 2013*

B-1241 (C6)

Table 21.D Estimated costs and returns per acre  
Alamo Switch Grass Full Season - baled  
Pivot Irrigated, Far West Texas, 2013

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Switch Grass	ton	158.00	3.1700	500.86	_____
				-----	
TOTAL INCOME				500.86	_____
DIRECT EXPENSES					
FERTILIZERS					
N-32 in Water	lb	0.21	20.0000	4.20	_____
Urea, Solid (46% N)	cwt	32.50	0.4500	14.63	_____
HERBICIDES					
2,4-D Amine 4	oz	0.14	40.0000	5.60	_____
Operator Labor					
Tractors	hour	12.00	0.7933	9.52	_____
Self-Propelled	hour	12.00	0.6600	7.92	_____
Irrigation Labor					
Trans-Pecos Pivot NG	hour	11.00	0.0263	0.30	_____
Hand Labor					
Special Labor	hour	10.00	0.1400	1.40	_____
Implements	hour	10.00	0.0423	0.42	_____
DIESEL FUEL					
Tractors	gal	3.65	3.7508	13.69	_____
Self-Propelled	gal	3.65	3.6000	13.14	_____
NATURAL GAS					
Trans-Pecos Pivot NG	Mcf	4.25	4.5650	19.41	_____
REPAIR & MAINTENANCE					
Implements	acre	0.69	1.0000	0.69	_____
Tractors	acre	1.01	1.0000	1.01	_____
Self-Propelled	acre	2.13	1.0000	2.13	_____
Trans-Pecos Pivot NG	ac-in	2.00	6.0000	12.03	_____
INTEREST ON OP. CAP.	acre	3.43	1.0000	3.43	_____
				-----	
TOTAL DIRECT EXPENSES				109.52	_____
RETURNS ABOVE DIRECT EXPENSES				391.34	_____
FIXED EXPENSES					
Implements	acre	4.50	1.0000	4.50	_____
Tractors	acre	6.63	1.0000	6.63	_____
Self-Propelled	acre	5.37	1.0000	5.37	_____
Trans-Pecos Pivot NG	each	11527.57	0.0083	96.06	_____
Switchgrass Estab.	acre	43.99	1.0000	43.99	_____
				-----	
TOTAL FIXED EXPENSES				156.55	_____
				-----	
TOTAL SPECIFIED EXPENSES				266.07	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				234.79	_____
RESIDUAL ITEMS					
Trans Pecos Irr Lnd	acre	40.00	1.0000	40.00	_____
RESIDUAL RETURNS				194.79	_____

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 21.A Estimated resource use and costs for field operations, per acre  
 Alamo Switch Grass Full Season - baled  
 Pivot Irrigated, Far West Texas, 2013

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
N-32 in Water	lb			1.00	Apr							20.0000	0.21	4.20	4.20
Spray (Bcast/HB)	20' Rigid	2WD 50	0.084	1.00	May	0.84	0.31	0.20	0.27	0.12	1.44				3.06
2,4-D Amine 4	oz											40.0000	0.14	5.60	5.60
Rake	14 whl	2WD 50	0.050	1.00	May	0.50	0.18	0.02	0.12	0.05	0.60				1.42
Swather	18ft		0.200			5.09	1.79			0.22	2.64				9.52
Baler	3X4	2WD 105	0.100	1.00	May	2.13	1.04	0.10	0.81	0.10	1.20				5.28
Bale Fork	1	2WD 105	0.033	1.00	May	0.71	0.35		0.08	0.03	0.40				1.54
Hand Labor	hour			1.00	Jun					0.14	1.40				1.40
Rake	14 whl	2WD 50	0.050	1.00	Jul	0.50	0.18	0.02	0.12	0.05	0.60				1.42
Swather	18ft		0.200			5.09	1.79			0.22	2.64				9.52
Baler	3X4	2WD 105	0.100	1.00	Jul	2.13	1.04	0.10	0.81	0.10	1.20				5.28
Bale Fork	1	2WD 105	0.033	1.00	Jul	0.71	0.35		0.08	0.03	0.40				1.54
Fert Spreader (dry)		2WD 50	0.033	1.00	Jul	0.34	0.12	0.02	0.04	0.03	0.40				0.92
Urea, Solid (46% N)	cwt											0.4500	32.50	14.63	14.63
Aerator	10	MFWD 105	0.125	1.00	Aug	3.50	1.49	0.11	1.16	0.12	1.50				7.76
Rake	14 whl	2WD 50	0.050	1.00	Nov	0.50	0.18	0.02	0.12	0.05	0.60				1.42
Swather	18ft		0.200			5.09	1.79			0.22	2.64				9.52
Baler	3X4	2WD 105	0.100	1.00	Nov	2.13	1.04	0.10	0.81	0.10	1.20				5.28
Bale Fork	1	2WD 105	0.033	1.00	Nov	0.71	0.35		0.08	0.03	0.40				1.54
Trans-Pecos Pivot NG	each			1.00	Apr				96.06			0.0083			96.06
Application 1	ac-in							10.48		0.00	0.10	2.0000			10.58
Application 2	ac-in							10.48		0.00	0.10	2.0000			10.58
Application 3	ac-in							10.48		0.00	0.10	2.0000			10.58
Switchgrass Estab.	acre				Jan							1.0000			43.99
TOTALS						29.97	12.00	32.13	100.56	1.66	19.56			24.43	262.64
INTEREST ON OPERATING CAPITAL															3.43
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															266.07

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