

Table 26.A Estimated costs and returns per Acre  
Sorghum Silage, Sprinkler Irrigated  
2011 Projected Costs and Returns per Acre

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
sorghum silage	ton	43.50	21.0000	913.50	_____
				-----	
TOTAL INCOME				913.50	_____
DIRECT EXPENSES					
SEED					
seed - sorghum	lb.	1.70	7.0000	11.90	_____
HERBICIDE					
Herb + applic - SS	lb.	7.20	1.0000	7.20	_____
FERTILIZER					
fert(N) - ANH3	lb.	0.43	174.0000	74.82	_____
fert(P) - dry	lb.	0.70	60.0000	42.00	_____
CUSTOM					
fert appl - ANH3	acre	11.00	1.0000	11.00	_____
fert application	acre	5.00	1.0000	5.00	_____
insec+appl - sorghum	appl	14.50	0.3300	4.78	_____
harv & haul - sorgh	ton	6.75	21.0000	141.75	_____
CROP INSURANCE					
sorg-silage - irr.	acre	21.25	1.0000	21.25	_____
OPERATOR LABOR					
Implements	hour	10.30	0.3796	3.91	_____
Tractors	hour	10.30	0.4691	4.83	_____
HAND LABOR					
Implements	hour	10.30	0.1527	1.57	_____
IRRIGATION LABOR					
Center Pivot	hour	10.30	0.8320	8.56	_____
DIESEL FUEL					
Tractors	gal	2.65	2.4264	6.43	_____
GASOLINE					
Self-Propelled Eq.	gal	2.73	3.0150	8.23	_____
NATURAL GAS					
Center Pivot	Mcf	4.75	13.0000	61.75	_____
REPAIR & MAINTENANCE					
Implements	Acre	6.28	1.0000	6.28	_____
Tractors	Acre	5.90	1.0000	5.90	_____
Self-Propelled Eq.	Acre	0.24	1.0000	0.24	_____
Center Pivot	ac-in	2.03	13.0000	26.39	_____
INTEREST ON OP. CAP.	Acre	8.19	1.0000	8.19	_____
				-----	
TOTAL DIRECT EXPENSES				462.01	_____
RETURNS ABOVE DIRECT EXPENSES				451.48	_____
FIXED EXPENSES					
Implements	Acre	9.86	1.0000	9.86	_____
Tractors	Acre	8.77	1.0000	8.77	_____
Self-Propelled Eq.	Acre	0.38	1.0000	0.38	_____
Center Pivot	Acre	33.60	1.0000	33.60	_____
				-----	
TOTAL FIXED EXPENSES				52.61	_____
				-----	
TOTAL SPECIFIED EXPENSES				514.62	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				398.87	_____
ALLOCATED COST ITEMS					
cash rent - sorghsil	acre	65.00	1.0000	65.00	_____
RESIDUAL RETURNS				333.87	_____

Projections for Planning Purposes Only.

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 Not to be Used without Updating after December 15, 2010

B-1241 (C1)

Table 26.B Estimated resource use and costs for field operations, per Acre  
 Sorghum Silage, Sprinkler Irrigated  
 2011 Projected Costs and Returns per Acre

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES			TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST				
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST					
-----dollars-----																			
disc	offset	100	0.078	1.00	Nov	2.17	1.64	1.54	2.25	0.173	1.78				9.40				
chisel		125	0.099	1.00	Dec	3.35	2.47	0.69	1.15	0.219	2.25				9.93				
disc	tandem	100	0.138	1.00	Feb	3.81	2.87	1.52	2.23	0.303	3.12				13.57				
sorg-silage - irr.	acre			1.00	Mar							1.0000	21.25	21.25	21.25				
fert(N) - ANH3	lb.			1.00	Apr							174.0000	0.43	74.82	74.82				
fert(P) - dry	lb.											60.0000	0.70	42.00	42.00				
fert appl - ANH3	acre											1.0000	11.00	11.00	11.00				
fert application	acre											1.0000	5.00	5.00	5.00				
planter		75	0.152	1.00	May	2.98	1.77	2.51	4.21	0.305	3.14				14.63				
Center Pivot	ac-in											27.12		33.60	0.256	2.63	4.0000		63.35
seed - sorghum	lb.											7.0000	1.70	11.90	11.90				11.90
Herb + applic - SS	lb.											1.0000	7.20	7.20	7.20				7.20
Pickup Truck	3/4 ton		0.006	30.00	May			8.47	0.38										8.86
Center Pivot	ac-in			1.00	Jun			20.34		0.192	1.97	3.0000							22.31
Center Pivot	ac-in			1.00	Jul			20.34		0.192	1.97	3.0000							22.31
insec+appl - sorghum appl												0.3300	14.50	4.78	4.78				4.78
Center Pivot	ac-in			1.00	Aug			20.34		0.192	1.97	3.0000							22.31
harv & haul - sorgh	ton			1.00	Oct							21.0000	6.75	141.75	141.75				141.75
TOTALS								12.33	8.77	102.89	43.84	1.833	18.88			319.70			506.43
INTEREST ON OPERATING CAPITAL																			8.19
UNALLOCATED LABOR																			0.00
TOTAL SPECIFIED COST																			514.62

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