

Table 16.A Estimated costs and returns per Acre  
Sorghum, Irrigated  
2011 Projected Costs and Returns per Acre

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
sorghum	cwt	8.50	65.0000	552.50	_____
				-----	
TOTAL INCOME				552.50	_____
DIRECT EXPENSES					
SEED					
seed sorghum irr	bag	150.00	0.1700	25.50	_____
CROP INSURANCE					
crop ins. sorg i	acre	4.25	1.0000	4.25	_____
INSECTICIDE					
lanate	pint	8.15	0.5000	4.07	_____
insect dimethoate	pint	5.75	0.5000	2.87	_____
FERTILIZER					
nitrogen n32	lb	0.50	120.0000	60.00	_____
phospate	lb	0.65	40.0000	26.00	_____
MISC ADMIN O/H					
mis admin o/h sorg	acre	4.00	0.3000	1.20	_____
HERBICIDES					
herbicide -atrazine	qt	2.00	4.0000	8.00	_____
herbicide entro	qt	2.00	6.2500	12.50	_____
CUSTOM					
custom application	acre	5.00	2.0000	10.00	_____
cstm hvst sorg irr	acre	20.00	1.0000	20.00	_____
cstm haul sorghum	cwt	0.30	65.0000	19.50	_____
IRRIGATION					
irrigation costs	ac/in	7.00	8.5000	59.50	_____
OPERATOR LABOR					
Tractors	hour	11.00	1.6260	17.88	_____
IRRIGATION LABOR					
irr system 1	hour	11.00	0.4250	4.67	_____
DIESEL FUEL					
Tractors	gal	2.65	7.9814	21.15	_____
GASOLINE					
Pick-up, 3/4 ton	gal	2.70	0.9100	2.45	_____
REPAIR & MAINTENANCE					
Implements	Acre	5.94	1.0000	5.94	_____
Tractors	Acre	12.40	1.0000	12.40	_____
Pick-up, 3/4 ton	acre	1.00	1.0000	1.00	_____
irr system 1	ac/in	0.17	8.5000	1.44	_____
INTEREST ON OP. CAP.	Acre	8.76	1.0000	8.76	_____
				-----	
TOTAL DIRECT EXPENSES				329.12	_____
RETURNS ABOVE DIRECT EXPENSES				223.37	_____
FIXED EXPENSES					
Implements	Acre	11.32	1.0000	11.32	_____
Tractors	Acre	21.35	1.0000	21.35	_____
Pick-up, 3/4 ton	acre	3.60	1.0000	3.60	_____
irr system 1	ac/in	0.20	8.5000	1.73	_____
				-----	
TOTAL FIXED EXPENSES				38.01	_____
				-----	
TOTAL SPECIFIED EXPENSES				367.14	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				185.35	_____
ALLOCATED COST ITEMS					
cash rent sorg irr	acre	65.00	1.0000	65.00	_____
RESIDUAL RETURNS				120.35	_____

Table 16.B Estimated resource use and costs for field operations, per Acre  
 Sorghum, 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-----				dollars		-----dollars-----			
shredder		100	0.130	1.00	Jul	3.27	2.10	0.61	0.86	0.130	1.43				8.28
chisel		225	0.110	1.00	Aug	5.65	3.78	0.33	0.53	0.110	1.21				11.52
offset disc	12-foot	125	0.130	1.00	Aug	3.61	2.30	0.50	1.09	0.130	1.43				8.95
offset disc	12-foot	125	0.130	1.00	Dec	3.61	2.30	0.50	1.09	0.130	1.43				8.95
fertilizer spreader		150	0.153	1.00	Jan	4.86	3.01	1.15	2.12	0.384	4.23				15.39
crop ins. sorg i	acre											1.0000	4.25	4.25	4.25
irrigation costs	ac/in											1.5000	7.00	10.50	10.50
nitrogen n32	lb											120.0000	0.50	60.00	60.00
phospate	lb											40.0000	0.65	26.00	26.00
bedder	6-row	150	0.114	1.00	Jan	3.60	2.23	0.60	1.10	0.285	3.13				10.67
planter-max emerge m		150	0.100	1.00	Mar	3.16	1.95	0.96	1.76	0.250	2.75				10.60
seed sorghum irr	bag											0.1700	150.00	25.50	25.50
lanate	pint											0.5000	8.15	4.07	4.07
irrigation costs	ac/in											1.0000	7.00	7.00	7.00
insect dimethoate	pint											0.5000	5.75	2.87	2.87
custom application	acre											1.0000	5.00	5.00	5.00
cultivator 8 row	8 row	125	0.103	1.00	Mar	2.87	1.82	0.63	1.37	0.103	1.13				7.83
Pick-up, 3/4 ton	acre								3.45	3.60		1.0000			7.05
herbicide -atrazine	qt				1.00	Apr						4.0000	2.00	8.00	8.00
custom application	acre											1.0000	5.00	5.00	5.00
irrigation costs	ac/in											2.0000	7.00	14.00	14.00
herbicide entro	qt											6.2500	2.00	12.50	12.50
irrigation costs	ac/in				1.00	May						2.0000	7.00	14.00	14.00
cultivator 8 row	8 row	125	0.103	1.00	May	2.87	1.82	0.63	1.37	0.103	1.13				7.83
irrigation costs	ac/in				1.00	Jun						2.0000	7.00	14.00	14.00
mis admin o/h sorg	acre											0.3000	4.00	1.20	1.20
irr system 1	ac/in				1.00	Jul			1.44	1.73	0.425	4.67	8.5000		7.85
cstm hvst sorg irr	acre											1.0000	20.00	20.00	20.00
cstm haul sorghum	cwt											65.0000	0.30	19.50	19.50
TOTALS							33.55	21.35	10.84	16.66	2.051	22.56		253.40	358.37
INTEREST ON OPERATING CAPITAL															8.76
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															367.14