

*Projections for Planning Purposes Only
Not to be Used without Updating after October 15, 2003*

Table 17.A Estimated costs and returns per Acre
Sorghum, Irrigated
2004 Projected Costs and Returns per Acre

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
sorghum	cwt	4.75	65.0000	308.75	_____
TOTAL INCOME				308.75	_____
DIRECT EXPENSES					
SEED					
seed sorghum	lb	1.00	5.5000	5.50	_____
CROP INSURANCE					
crop ins. sorg i	acre	3.34	1.0000	3.34	_____
INSECTICIDE					
insect sorghum	acre	7.50	1.0000	7.50	_____
insect sorghum 1	acre	10.00	0.5000	5.00	_____
FERTILIZER					
nitrogen n32	lb	0.25	120.0000	30.00	_____
phospate	lb	0.32	40.0000	12.80	_____
MISC ADMIN O/H					
mis admin o/h sorg	acre	16.00	0.3000	4.80	_____
HERBICIDES					
herbicide sorghum	acre	10.00	1.0000	10.00	_____
CUSTOM					
herb appl	acre	4.50	1.0000	4.50	_____
insec appl - milo	acre	4.50	0.5000	2.25	_____
cstm hvst sorg irr	acre	14.00	1.0000	14.00	_____
cstm haul sorghum	cwt	0.25	65.0000	16.25	_____
IRRIGATION					
irrigation costs	ac/in	4.00	8.5000	34.00	_____
OPERATOR LABOR					
Tractors	hour	8.90	1.1926	10.61	_____
IRRIGATION LABOR					
irr system 1	hour	8.90	0.4250	3.78	_____
DIESEL FUEL					
Tractors	gal	1.09	9.1776	10.00	_____
GASOLINE					
Pick-up, 3/4 ton	gal	1.75	0.9100	1.59	_____
REPAIR & MAINTENANCE					
Implements	Acre	9.79	1.0000	9.79	_____
Tractors	Acre	13.42	1.0000	13.42	_____
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	6.14	1.0000	6.14	_____
TOTAL DIRECT EXPENSES				207.74	_____
RETURNS ABOVE DIRECT EXPENSES				101.00	_____
FIXED EXPENSES					
Implements	Acre	19.98	1.0000	19.98	_____
Tractors	Acre	22.94	1.0000	22.94	_____
Pick-up, 3/4 ton	acre	3.00	1.0000	3.00	_____
irr system 1	ac/in	0.17	8.5000	1.44	_____
TOTAL FIXED EXPENSES				47.37	_____
TOTAL SPECIFIED EXPENSES				255.12	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				53.62	_____
ALLOCATED COST ITEMS					
cash rent sorg irr	acre	65.00	1.0000	65.00	_____
RESIDUAL RETURNS				-11.37	_____

*Sprinkler irrigated

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Table 17.B Estimated resource use and costs for field operations, per Acre
Sorghum, Irrigated
2004 Projected Costs and Returns per Acre

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
shredder		100	0.199	1.00	Jul	3.27	3.58	0.58	0.91	0.199	1.77					10.14
chisel		225	0.152	1.00	Aug	4.28	3.90	0.28	0.51	0.152	1.35					10.34
offset disc 20 ft	20 ft	200	0.103	1.00	Aug	2.24	2.11	3.09	6.43	0.103	0.91					14.80
offset disc 20 ft	20 ft	200	0.103	1.00	Dec	2.24	2.11	3.09	6.43	0.103	0.91					14.80
fertilizer spreader		150	0.153	1.00	Jan	2.78	2.54	0.71	1.48	0.153	1.36					8.89
crop ins. sorg i	acre											1.0000	3.34	3.34		3.34
irrigation costs	ac/in											1.5000	4.00	6.00		6.00
nitrogen n32	lb											120.0000	0.25	30.00		30.00
phospate	lb											40.0000	0.32	12.80		12.80
bedder	6-row	150	0.114	1.00	Jan	2.06	1.88	0.36	0.76	0.114	1.01					6.10
planter-max emerge m		150	0.100	1.00	Mar	1.81	1.65	0.59	1.23	0.100	0.89					6.17
seed sorghum	lb											5.5000	1.00	5.50		5.50
insect sorghum	acre											1.0000	7.50	7.50		7.50
irrigation costs	ac/in											1.0000	4.00	4.00		4.00
cultivator 8 row	8 row	125	0.103	1.00	Mar	2.02	2.17	0.53	1.10	0.103	0.91					6.75
Pick-up, 3/4 ton	acre													1.0000		5.59
herbicide sorghum	acre			1.00	Apr								1.0000	10.00	10.00	10.00
herb appl	acre												1.0000	4.50	4.50	4.50
irrigation costs	ac/in												2.0000	4.00	8.00	8.00
irrigation costs	ac/in			1.00	May								2.0000	4.00	8.00	8.00
cultivator rolling	8-row	100	0.163	1.00	May	2.69	2.95	0.53	1.10	0.163	1.45					8.73
insec appl - milo	acre			0.50	May								0.5000	4.50	2.25	2.25
insect sorghum 1	acre												0.5000	10.00	5.00	5.00
irrigation costs	ac/in			1.00	Jun								2.0000	4.00	8.00	8.00
mis admin o/h sorg	acre												0.3000	16.00	4.80	4.80
irr system 1	ac/in			1.00	Jul			1.44	1.44	0.425	3.78		8.5000			6.67
cstm hvst sorg irr	acre												1.0000	14.00	14.00	14.00
cstm haul sorghum	cwt												65.0000	0.25	16.25	16.25
TOTALS						23.42	22.94	13.83	24.42	1.617	14.39				149.94	248.97
INTEREST ON OPERATING CAPITAL																6.14
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																255.12

*Information presented is prepared solely as a general guide and is not intended to recognize or predict the costs and returns from any one particular farm or ranch operation.
These projections were collected and developed by staff members of Texas Cooperative Extension and approved for publication*