

**Estimating 2009 Costs of Production
 Wheat Following Rice, Sand/Silt Loam Soils**
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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
DAP 18-46-0	lb	0.60	150.0000	90.00	_____
Urea, Solid (46% N)	lb	0.51	290.0000	147.90	_____
HERBICIDES					
Harmony Extra XP	oz	11.00	0.5000	5.50	_____
CROP SEED					
Wheat Seed Public	lb	0.27	100.0000	27.00	_____
ADJUVANTS					
Surfactant (80-20)	pt	1.55	0.2000	0.31	_____
CUSTOM HIRE					
Cstm Ap Grd Fert	acre	5.00	1.0000	5.00	_____
Cstm Ap Air Fert	lb	0.06	290.0000	18.13	_____
Cstm Ap Air Herb	acre	6.00	1.0000	6.00	_____
Cstm Haul Wheat	bu	0.21	50.0000	10.50	_____
OPERATOR LABOR					
Tractors	hour	9.92	0.3103	3.08	_____
Harvesters	hour	9.92	0.0851	0.84	_____
HAND LABOR					
Implements	hour	8.60	0.0942	0.81	_____
DIESEL FUEL					
Tractors	gal	4.00	3.2445	12.98	_____
Harvesters	gal	4.00	1.4243	5.70	_____
REPAIR & MAINTENANCE					
Implements	acre	3.07	1.0000	3.07	_____
Tractors	acre	1.12	1.0000	1.12	_____
Harvesters	acre	1.90	1.0000	1.90	_____
INTEREST ON OP. CAP.	acre	9.62	1.0000	9.62	_____

TOTAL DIRECT EXPENSES				349.45	_____
FIXED EXPENSES					
Implements	acre	7.55	1.0000	7.55	_____
Tractors	acre	7.91	1.0000	7.91	_____
Harvesters	acre	8.40	1.0000	8.40	_____

TOTAL FIXED EXPENSES				23.86	_____

TOTAL SPECIFIED EXPENSES				373.31	_____

¹ fertilizer rates are for single crop wheat; not for a soybean-wheat double crop.

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Table 2. Estimated resource use and costs for field operations, per acre, Wheat Following Rice, Sand/Silt Loam Soils, 2009

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-----				
Disk Harrow	28'	MFWD 225	0.070	2.00	Oct	7.06	3.99	1.15	2.76	0.14	1.39					16.35
Cstm Ap Grd Fert	acre			1.00	Oct							1.0000	5.00	5.00		5.00
DAP 18-46-0	lb											150.0000	0.60	90.00		90.00
Field Cultivate	32'	MFWD 225	0.046	1.00	Oct	2.35	1.33	0.31	1.50	0.04	0.46					5.95
Grain Drill	20'	2WD 190	0.094	1.00	Oct	4.01	2.26	1.12	2.45	0.18	1.75					11.59
Wheat Seed Public	lb											100.0000	0.27	27.00		27.00
Ditcher	3	MFWD 105	2.909	0.01	Oct	0.68	0.33	0.05	0.08	0.02	0.29					1.43
Cstm Ap Air Fert	lb			1.00	Feb							145.0000	0.06	9.06		9.06
Urea, Solid (46% N)	lb											145.0000	0.51	73.95		73.95
Cstm Ap Air Herb	acre			1.00	Mar							1.0000	6.00	6.00		6.00
Harmony Extra XP	oz											0.5000	11.00	5.50		5.50
Surfactant (80-20)	pt											0.2000	1.55	0.31		0.31
Cstm Ap Air Fert	lb			1.00	Mar							145.0000	0.06	9.06		9.06
Urea, Solid (46% N)	lb											145.0000	0.51	73.95		73.95
Header Wheat/Sorghum	30'	Rigid 325hp	0.085	1.00	Jun	7.60	8.40	0.44	0.76	0.08	0.84					18.04
Cstm Haul Wheat	bu											50.0000	0.21	10.50		10.50
TOTALS						21.70	16.31	3.07	7.55	0.48	4.73			310.33		363.69
INTEREST ON OPERATING CAPITAL																9.62
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																373.31

Information presented in this document is prepared solely as a general guide and is not intended to recognize or predict the costs and returns from any one particular farm operation. The mention of any commercial product in this analysis does not imply its endorsement by the University of Arkansas Cooperative Extension Service over other products not named, nor does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

View or print all of the Arkansas crop budgets at http://www.uaex.edu/depts/ag_economics/crop_budgets.htm

Table 3. Breakeven Yields (BEY) Required to Cover Direct Expenses and Net Returns above Direct Expenses for Price/Yield Combinations and Select Land Tenure Arrangements, per acre.

Wheat, Following Rice, Sand/Silt Loam Soils, 2009

Farm Owner		Crop Price (\$/bu)						
BEY (bu/acre)	5.76	6.40	7.04	7.68	8.32	8.96	9.60	
	Returns above Variable Costs (\$/Acre)							
36	-138	-115	-92	-69	-46	-23	0	
38	-123	-98	-74	-49	-25	0	25	
41	-106	-80	-53	-27	0	27	53	
45	-86	-58	-29	0	29	58	86	
49	-63	-31	0	31	63	94	126	
54	-35	0	35	69	104	139	174	
60	0	39	77	116	155	193	232	

Farm Owner is assumed to have 100% Equity in Land

Tenant 75-25 Crop-Share		Crop Price (\$/bu)						
BEY (bu/acre)	5.76	6.40	7.04	7.68	8.32	8.96	9.60	
	Returns above Variable Costs (\$/Acre)							
48	-138	-115	-92	-69	-46	-23	0	
52	-124	-99	-74	-50	-25	0	25	
56	-107	-80	-53	-27	0	27	53	
60	-87	-58	-29	0	29	58	87	
66	-63	-32	0	32	63	95	127	
73	-35	0	35	70	105	140	175	
81	0	39	78	117	156	195	234	

Landowner Receives 25% of the Crop.

Tenant pays 100% of Hauling Crop to Grain Elevator

Tenant 50-50 Crop-Share		Crop Price (\$/bu)						
BEY (bu/acre)	5.76	6.40	7.04	7.68	8.32	8.96	9.60	
	Returns above Variable Costs (\$/Acre)							
44	-84	-70	-56	-42	-28	-14	0	
47	-75	-60	-45	-30	-15	0	15	
51	-65	-49	-32	-16	0	16	32	
55	-53	-35	-18	0	18	35	53	
60	-39	-19	0	19	39	58	77	
67	-21	0	21	43	64	85	107	
75	0	24	48	72	95	119	143	

Landowner Receives 50% of the Crop

Tenant Pays 100% of Hauling Crop to Elevator.

Landowner Pays 50% of:

Seed, Fertilizer, Herbicides, Fungicides, Insecticides, and Custom Application Costs.

Tenant 80-20 Crop-Share		Crop Price (\$/bu)						
BEY (bu/acre)	5.76	6.40	7.04	7.68	8.32	8.96	9.60	
	Returns above Variable Costs (\$/Acre)							
45	-138	-115	-92	-69	-46	-23	0	
48	-124	-99	-74	-49	-25	0	25	
52	-107	-80	-53	-27	0	27	53	
57	-87	-58	-29	0	29	58	87	
62	-63	-32	0	32	63	95	127	
68	-35	0	35	70	105	140	175	
76	0	39	78	117	156	195	234	

Landowner Receives 20% of the Crop

Tenant Pays 100% of Hauling Crop to Elevator.