

**Estimating 2003 Costs of Production**

**Wheat, Behind Soybeans,  
 Silt Loam Soils, 2003**

AG-701-09-02

**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Wheat seed - public	lb	0.17	90.0000	15.30	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap air fert	lb	0.05	220.0000	11.00	_____
Cstm ap air herbicid	acre	4.50	1.0000	4.50	_____
Custom haul	bu	0.15	50.0000	7.50	_____
<b>FERTILIZER &amp; LIME</b>					
Phosphate 0-46-0	lb	0.10	100.0000	10.00	_____
Urea 46%	lb	0.08	220.0000	18.70	_____
<b>HERBICIDES</b>					
Harmony Extra	oz	11.55	0.5000	5.77	_____
Surfactant SL(80-20)	pint	1.00	0.2000	0.20	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.40	0.2146	1.37	_____
Tractors	hour	6.40	0.4666	2.98	_____
Self-Propelled Eq.	hour	6.40	0.2275	1.45	_____
<b>DIESEL FUEL</b>					
Tractors	gal	0.85	4.2416	3.60	_____
Self-Propelled Eq.	gal	0.85	1.8746	1.59	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	1.65	1.0000	1.65	_____
Tractors	acre	3.29	1.0000	3.29	_____
Self-Propelled Eq.	acre	3.70	1.0000	3.70	_____
INTEREST ON OP. CAP.	acre	3.08	1.0000	3.08	_____
<b>TOTAL DIRECT EXPENSES</b>				99.72	_____
<b>FIXED EXPENSES</b>					
Implements	acre	3.73	1.0000	3.73	_____
Tractors	acre	7.53	1.0000	7.53	_____
Self-Propelled Eq.	acre	12.56	1.0000	12.56	_____
<b>TOTAL FIXED EXPENSES</b>				23.84	_____
<b>TOTAL SPECIFIED EXPENSES</b>				123.56	_____

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**Table 2. Estimated resource use and costs for field operations, per acre wheat behind soybeans, silt loam soils, 2003**

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-----			
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Oct	1.42	1.55	0.44	1.03	0.106	0.68				5.13
Cstm ap grd fert dry	acre			1.00	Oct							1.0000	4.00	4.00	4.00
Phosphate 0-46-0	lb											100.0000	0.10	10.00	10.00
Land float	14'x 50'	MFWD190	0.157	1.00	Oct	2.73	2.97	0.10	0.37	0.204	1.30				7.49
Triple K	26.67'	MFWD190	0.052	1.00	Oct	0.90	0.98	0.26	0.56	0.067	0.43				3.15
Grain drill	20'	MFWD 150	0.118	1.00	Oct	1.65	1.84	0.82	1.68	0.283	1.81				7.82
Wheat seed - public	lb											90.0000	0.17	15.30	15.30
Furrow ditcher	8'	2WD 130	0.380	0.04	Oct	0.17	0.18	0.02	0.07	0.019	0.12				0.57
Cstm ap air fert	lb			1.00	Feb							110.0000	0.05	5.50	5.50
Urea 46%	lb											110.0000	0.08	9.35	9.35
Cstm ap air herbicid acre				1.00	Mar							1.0000	4.50	4.50	4.50
Harmony Extra	oz											0.5000	11.55	5.77	5.77
Surfactant SL(80-20)	pint											0.2000	1.00	0.20	0.20
Cstm ap air fert	lb			1.00	Mar							110.0000	0.05	5.50	5.50
Urea 46%	lb											110.0000	0.08	9.35	9.35
Combine Wheat	25'		0.182	1.00	Jun			5.29	12.56	0.227	1.45				19.31
Custom haul	bu			1.00	Jun							50.0000	0.15	7.50	7.50
TOTALS						6.89	7.53	6.94	16.30	0.908	5.81			76.97	120.47
INTEREST ON OPERATING CAPITAL															3.08
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															123.56

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**Estimating 2003 Costs of Production**

**Wheat, Behind Soybeans,  
 Clay Soils, 2003**

AG-702-09-02

**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Wheat seed - public	lb	0.17	100.0000	17.00	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap air fert	lb	0.05	300.0000	15.00	_____
Cstm ap air herbicid	acre	4.50	1.0000	4.50	_____
Custom haul	bu	0.15	45.0000	6.75	_____
<b>FERTILIZER &amp; LIME</b>					
Phosphate 0-46-0	lb	0.10	100.0000	10.00	_____
Urea 46%	lb	0.08	300.0000	25.50	_____
<b>HERBICIDES</b>					
Harmony Extra	oz	11.55	0.5000	5.77	_____
Surfactant SL(80-20)	pint	1.00	0.2000	0.20	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.40	0.2146	1.37	_____
Tractors	hour	6.40	0.4666	2.98	_____
Self-Propelled Eq.	hour	6.40	0.1904	1.21	_____
<b>DIESEL FUEL</b>					
Tractors	gal	0.85	4.2416	3.60	_____
Self-Propelled Eq.	gal	0.85	2.0033	1.70	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	1.65	1.0000	1.65	_____
Tractors	acre	3.29	1.0000	3.29	_____
Self-Propelled Eq.	acre	3.84	1.0000	3.84	_____
INTEREST ON OP. CAP.	acre	3.42	1.0000	3.42	_____
				-----	
<b>TOTAL DIRECT EXPENSES</b>				111.83	_____
<b>FIXED EXPENSES</b>					
Implements	acre	3.73	1.0000	3.73	_____
Tractors	acre	7.53	1.0000	7.53	_____
Self-Propelled Eq.	acre	11.88	1.0000	11.88	_____
				-----	
<b>TOTAL FIXED EXPENSES</b>				23.15	_____
				-----	
<b>TOTAL SPECIFIED EXPENSES</b>				134.99	_____

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**Table 2. Estimated resource use and costs for field operations, per acre wheat behind soybeans, clay soils, 2003**

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-----			
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Oct	1.42	1.55	0.44	1.03	0.106	0.68				5.13
Cstm ap grd fert dry	acre			1.00	Oct							1.0000	4.00	4.00	4.00
Phosphate 0-46-0	lb											100.0000	0.10	10.00	10.00
Land float	14'x 50'	MFWD190	0.157	1.00	Oct	2.73	2.97	0.10	0.37	0.204	1.30				7.49
Triple K	26.67'	MFWD190	0.052	1.00	Oct	0.90	0.98	0.26	0.56	0.067	0.43				3.15
Grain drill	20'	MFWD 150	0.118	1.00	Oct	1.65	1.84	0.82	1.68	0.283	1.81				7.82
Wheat seed - public	lb											100.0000	0.17	17.00	17.00
Furrow ditcher	8'	2WD 130	0.380	0.04	Oct	0.17	0.18	0.02	0.07	0.019	0.12				0.57
Cstm ap air fert	lb			1.00	Feb							150.0000	0.05	7.50	7.50
Urea 46%	lb											150.0000	0.08	12.75	12.75
Cstm ap air herbicid	acre			1.00	Mar							1.0000	4.50	4.50	4.50
Harmony Extra	oz											0.5000	11.55	5.77	5.77
Surfactant SL(80-20)	pint											0.2000	1.00	0.20	0.20
Cstm ap air fert	lb			1.00	Mar							150.0000	0.05	7.50	7.50
Urea 46%	lb											150.0000	0.08	12.75	12.75
Combine, small grain	20'		0.166	1.00	Jun			5.55	11.88	0.190	1.21				18.65
Custom haul	bu			1.00	Jun							45.0000	0.15	6.75	6.75
TOTALS						6.89	7.53	7.20	15.61	0.871	5.57			88.72	131.56
INTEREST ON OPERATING CAPITAL															3.42
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															134.99

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**Estimating 2003 Costs of Production**

**Wheat, Behind Rice,  
 Silt Loam Soils, 2003**

AG-703-09-02

**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Wheat seed - public	lb	0.17	110.0000	18.70	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap air fert	lb	0.05	220.0000	11.00	_____
Custom haul	bu	0.15	50.0000	7.50	_____
<b>FERTILIZER &amp; LIME</b>					
Phosphate 0-46-0	lb	0.10	100.0000	10.00	_____
Urea 46%	lb	0.08	220.0000	18.70	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.40	0.2310	1.47	_____
Tractors	hour	6.40	0.5568	3.56	_____
Self-Propelled Eq.	hour	6.40	0.1904	1.21	_____
<b>DIESEL FUEL</b>					
Tractors	gal	0.85	5.1229	4.35	_____
Self-Propelled Eq.	gal	0.85	2.0033	1.70	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	2.09	1.0000	2.09	_____
Tractors	acre	3.97	1.0000	3.97	_____
Self-Propelled Eq.	acre	3.84	1.0000	3.84	_____
INTEREST ON OP. CAP.	acre	3.14	1.0000	3.14	_____
<b>TOTAL DIRECT EXPENSES</b>				95.28	_____
<b>FIXED EXPENSES</b>					
Implements	acre	4.76	1.0000	4.76	_____
Tractors	acre	9.09	1.0000	9.09	_____
Self-Propelled Eq.	acre	11.88	1.0000	11.88	_____
<b>TOTAL FIXED EXPENSES</b>				25.74	_____
<b>TOTAL SPECIFIED EXPENSES</b>				121.02	_____

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**Table 2. Estimated resource use and costs for field operations, per acre wheat behind rice, silt loam soils, 2003**

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	
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Disk, medium cut	26.41'	MFWD190	0.082	1.00	Oct	1.42	1.55	0.44	1.03	0.106	0.68				5.13
Cstm ap grd fert dry	acre			1.00	Oct							1.0000	4.00	4.00	4.00
Phosphate 0-46-0	lb											100.0000	0.10	10.00	10.00
Land float	14'x 50'	MFWD190	0.157	1.00	Oct	2.73	2.97	0.10	0.37	0.204	1.30				7.49
Triple K	26.67'	MFWD190	0.052	1.00	Oct	0.90	0.98	0.26	0.56	0.067	0.43				3.15
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Wheat seed - public	lb											110.0000	0.17	18.70	18.70
Furrow ditcher	8'	2WD 130	0.380	0.04	Oct	0.17	0.18	0.02	0.07	0.019	0.12				0.57
Cstm ap air fert	lb			1.00	Feb							110.0000	0.05	5.50	5.50
Urea 46%	lb											110.0000	0.08	9.35	9.35
Cstm ap air fert	lb			1.00	Mar							110.0000	0.05	5.50	5.50
Urea 46%	lb											110.0000	0.08	9.35	9.35
Combine, small grain	20'		0.166	1.00	Jun			5.55	11.88	0.190	1.21				18.65
Custom haul	bu			1.00	Jun							50.0000	0.15	7.50	7.50
TOTALS						8.32	9.09	7.64	16.65	0.978	6.26			69.90	117.87
INTEREST ON OPERATING CAPITAL															3.14
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															121.02

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