

Estimating 2006 Costs of Production

Wheat Following Rice, Silt Loam Soils

AG-878-08-05

Rob Hogan, Extension Economist

Scott Stiles, Extension Economist

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus(46% P2O5)	lb	0.14	100.0000	14.00	_____
Urea, Solid (46% N)	lb	0.15	220.0000	33.00	_____
CROP SEED					
Wheat Seed Public	lb	0.16	100.0000	16.00	_____
CUSTOM HIRE					
Cstm Ap Grd Fert Dry	ac	4.00	1.0000	4.00	_____
Cstm Ap Air Fert	lb	0.05	220.0000	11.00	_____
Cstm Haul Wheat	bu	0.15	50.0000	7.50	_____
OPERATOR LABOR					
Tractors	hour	8.12	0.4651	3.78	_____
Self-Propelled	hour	8.12	0.1020	0.83	_____
HAND LABOR					
Implements	hour	8.12	0.0920	0.75	_____
DIESEL FUEL					
Tractors	gal	2.07	4.5189	9.35	_____
Self-Propelled	gal	2.07	1.1546	2.39	_____
REPAIR & MAINTENANCE					
Implements	acre	3.76	1.0000	3.76	_____
Tractors	acre	3.47	1.0000	3.47	_____
Self-Propelled	acre	4.96	1.0000	4.96	_____
INTEREST ON OP. CAP.	acre	4.44	1.0000	4.44	_____

TOTAL DIRECT EXPENSES				119.23	_____
FIXED EXPENSES					
Implements	acre	7.27	1.0000	7.27	_____
Tractors	acre	8.84	1.0000	8.84	_____
Self-Propelled	acre	8.60	1.0000	8.60	_____

TOTAL FIXED EXPENSES				24.71	_____

TOTAL SPECIFIED EXPENSES				143.94	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Wheat Following Rice, Silt Loam Soils, 2006

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	0.061	2.00	Oct	3.98	2.70	1.39	2.35	0.12	0.99				11.41
Cstm Ap Grd Fert Dry	ac			1.00	Oct							1.0000	4.00	4.00	4.00
Phosphorus(46% P2O5)	lb											100.0000	0.14	14.00	14.00
Land Plane	50'x16'	MFWD 190	0.159	1.00	Oct	4.44	3.11	0.30	0.82	0.15	1.29				9.96
Field Cultivate	24'	MFWD 170	0.063	1.00	Oct	1.58	1.12	0.52	1.09	0.06	0.51				4.82
Grain Drill	20'	MFWD 170	0.092	1.00	Oct	2.31	1.63	1.53	2.96	0.18	1.50				9.93
Wheat Seed Public	lb											100.0000	0.16	16.00	16.00
Ditcher, rear mount	3'	2WD 130	2.909	0.01	Oct	0.51	0.28	0.02	0.05	0.02	0.24				1.10
Cstm Ap Air Fert	lb			1.00	Feb							110.0000	0.05	5.50	5.50
Urea, Solid (46% N)	lb											110.0000	0.15	16.50	16.50
Cstm Ap Air Fert	lb			1.00	Mar							110.0000	0.05	5.50	5.50
Urea, Solid (46% N)	lb											110.0000	0.15	16.50	16.50
Combine-Wheat	25'		0.102	1.00	Jun	7.35	8.60			0.10	0.83				16.78
Cstm Haul Wheat	bu											50.0000	0.15	7.50	7.50
TOTALS						20.17	17.44	3.76	7.27	0.65	5.36			85.50	139.50
INTEREST ON OPERATING CAPITAL															4.44
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															143.94

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Estimating 2006 Costs of Production

Wheat Following Soybeans, Silt Loam Soils

AG-879-08-05

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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus (46% P2O5)	lb	0.14	100.0000	14.00	_____
Urea, Solid (46% N)	lb	0.15	220.0000	33.00	_____
HERBICIDES					
Harmony Extra	oz	12.29	0.5000	6.15	_____
CROP SEED					
Wheat Seed Public	lb	0.16	90.0000	14.40	_____
ADJUVANTS					
Surfactant (80-20)	pt	0.97	0.2000	0.19	_____
CUSTOM HIRE					
Cstm Ap Grd Fert Dry	ac	4.00	1.0000	4.00	_____
Cstm Ap Air Fert	lb	0.05	220.0000	11.00	_____
Cstm App Air - 5 gal	appl	4.00	1.0000	4.00	_____
Cstm Haul Wheat	bu	0.15	50.0000	7.50	_____
OPERATOR LABOR					
Tractors	hour	8.12	0.4041	3.29	_____
Self-Propelled	hour	8.12	0.1020	0.83	_____
HAND LABOR					
Implements	hour	8.12	0.0920	0.75	_____
DIESEL FUEL					
Tractors	gal	2.07	3.8124	7.89	_____
Self-Propelled	gal	2.07	1.1546	2.39	_____
REPAIR & MAINTENANCE					
Implements	acre	3.07	1.0000	3.07	_____
Tractors	acre	2.94	1.0000	2.94	_____
Self-Propelled	acre	4.96	1.0000	4.96	_____
INTEREST ON OP. CAP.	acre	4.42	1.0000	4.42	_____
TOTAL DIRECT EXPENSES				124.78	_____
FIXED EXPENSES					
Implements	acre	6.09	1.0000	6.09	_____
Tractors	acre	7.49	1.0000	7.49	_____
Self-Propelled	acre	8.60	1.0000	8.60	_____
TOTAL FIXED EXPENSES				22.18	_____
TOTAL SPECIFIED EXPENSES				146.96	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Wheat Following Soybeans, Silt Loam Soils, 2006

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	0.061	1.00	Oct	1.99	1.35	0.70	1.17	0.06	0.50				5.71
Cstm Ap Grd Fert Dry ac				1.00	Oct							1.0000	4.00	4.00	4.00
Phosphorus(46% P2O5) lb												100.0000	0.14	14.00	14.00
Land Plane	50'x16'	MFWD 190	0.159	1.00	Oct	4.44	3.11	0.30	0.82	0.15	1.29				9.96
Field Cultivate	24'	MFWD 170	0.063	1.00	Oct	1.58	1.12	0.52	1.09	0.06	0.51				4.82
Grain Drill	20'	MFWD 170	0.092	1.00	Oct	2.31	1.63	1.53	2.96	0.18	1.50				9.93
Wheat Seed Public	lb											90.0000	0.16	14.40	14.40
Ditcher, rear mount	3'	2WD 130	2.909	0.01	Oct	0.51	0.28	0.02	0.05	0.02	0.24				1.10
Cstm Ap Air Fert	lb			1.00	Feb							110.0000	0.05	5.50	5.50
Urea, Solid (46% N)	lb											110.0000	0.15	16.50	16.50
Cstm App Air - 5 gal appl				1.00	Mar							1.0000	4.00	4.00	4.00
Harmony Extra	oz											0.5000	12.29	6.15	6.15
Surfactant (80-20)	pt											0.2000	0.97	0.19	0.19
Cstm Ap Air Fert	lb			1.00	Mar							110.0000	0.05	5.50	5.50
Urea, Solid (46% N)	lb											110.0000	0.15	16.50	16.50
Combine-Wheat	25'		0.102	1.00	Jun	7.35	8.60			0.10	0.83				16.78
Cstm Haul Wheat	bu											50.0000	0.15	7.50	7.50
TOTALS						18.18	16.09	3.07	6.09	0.59	4.87			94.24	142.54
INTEREST ON OPERATING CAPITAL															4.42
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															
146.96															

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Estimating 2006 Costs of Production

Wheat Following Soybeans, Clay Soils

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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus (46% P2O5)	lb	0.14	100.0000	14.00	_____
Urea, Solid (46% N)	lb	0.15	300.0000	45.00	_____
HERBICIDES					
Harmony Extra	oz	12.29	0.5000	6.15	_____
CROP SEED					
Wheat Seed Public	lb	0.16	100.0000	16.00	_____
ADJUVANTS					
Surfactant (80-20)	pt	0.97	0.2000	0.19	_____
CUSTOM HIRE					
Cstm Ap Grd Fert Dry	ac	4.00	1.0000	4.00	_____
Cstm Ap Air Fert	lb	0.05	300.0000	15.00	_____
Cstm App Air - 5 gal	appl	4.00	1.0000	4.00	_____
Cstm Haul Wheat	bu	0.15	50.0000	7.50	_____
OPERATOR LABOR					
Tractors	hour	8.12	0.4041	3.29	_____
Self-Propelled	hour	8.12	0.1020	0.83	_____
HAND LABOR					
Implements	hour	8.12	0.0920	0.75	_____
DIESEL FUEL					
Tractors	gal	2.07	3.8124	7.89	_____
Self-Propelled	gal	2.07	1.1546	2.39	_____
REPAIR & MAINTENANCE					
Implements	acre	3.07	1.0000	3.07	_____
Tractors	acre	2.94	1.0000	2.94	_____
Self-Propelled	acre	4.96	1.0000	4.96	_____
INTEREST ON OP. CAP.	acre	4.95	1.0000	4.95	_____
TOTAL DIRECT EXPENSES				142.91	_____
FIXED EXPENSES					
Implements	acre	6.09	1.0000	6.09	_____
Tractors	acre	7.49	1.0000	7.49	_____
Self-Propelled	acre	8.60	1.0000	8.60	_____
TOTAL FIXED EXPENSES				22.18	_____
TOTAL SPECIFIED EXPENSES				165.09	_____

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						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
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Cstm Ap Grd Fert Dry	ac			1.00	Oct							1.0000	4.00	4.00	4.00
Phosphorus(46% P2O5)	lb											100.0000	0.14	14.00	14.00
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Grain Drill	20'	MFWD 170	0.092	1.00	Oct	2.31	1.63	1.53	2.96	0.18	1.50				9.93
Wheat Seed Public	lb											100.0000	0.16	16.00	16.00
Ditcher, rear mount	3'	2WD 130	2.909	0.01	Oct	0.51	0.28	0.02	0.05	0.02	0.24				1.10
Cstm Ap Air Fert	lb			1.00	Feb							150.0000	0.05	7.50	7.50
Urea, Solid (46% N)	lb											150.0000	0.15	22.50	22.50
Cstm App Air - 5 gal appl				1.00	Mar							1.0000	4.00	4.00	4.00
Harmony Extra	oz											0.5000	12.29	6.15	6.15
Surfactant (80-20)	pt											0.2000	0.97	0.19	0.19
Cstm Ap Air Fert	lb			1.00	Mar							150.0000	0.05	7.50	7.50
Urea, Solid (46% N)	lb											150.0000	0.15	22.50	22.50
Combine-Wheat	25'		0.102	1.00	Jun	7.35	8.60			0.10	0.83				16.78
Cstm Haul Wheat	bu											50.0000	0.15	7.50	7.50
TOTALS						18.18	16.09	3.07	6.09	0.59	4.87			111.84	160.14
INTEREST ON OPERATING CAPITAL															4.95
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															165.09

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