

**Grain Sorghum, Rainfed**  
**Conventional 100 bu/ac yield goal**  
**90 bu/ac Grain Sorghum**

**Year 2009**

Field Operations	Times or Qty	Labor	+Fuel & Lube	Repairs		Depreciation		= Total	Your Estimate
				+Pwr	+Imp	+Pwr	+Imp		
1 Disc	1 ac	\$1.21	\$3.04	\$0.20	\$1.00	\$1.07	\$1.03	\$7.55	
2 Apply Anhydrous	1 ac	\$1.68	\$3.24	\$0.24	\$0.73	\$1.49	\$0.71	\$8.09	
3 Field Cultivation	1 ac	\$0.62	\$1.54	\$0.10	\$0.57	\$0.53	\$0.58	\$3.94	
4 Plant	1 ac	\$2.20	\$1.82	\$0.30	\$0.65	\$1.71	\$2.52	\$9.20	
5 Row Crop Cultivation	1 ac	\$2.03	\$1.88	\$1.31	\$0.35	\$0.69	\$0.34	\$6.60	
6 Row Crop Cultivation	0.25 ac	\$0.51	\$0.48	\$0.33	\$0.09	\$0.17	\$0.09	\$1.67	
7 Spray	1 ac	\$0.98	\$0.50	\$0.58	\$0.19	\$0.05	\$0.22	\$2.52	
8 Spray	Custom								
9 Combine	1 ac	\$1.84	\$5.84	\$2.30	\$0.13	\$9.40	\$1.37	\$20.88	
10 Cart	90 bu	\$0.45	\$0.94	\$0.07	\$0.33	\$0.44	\$0.57	\$2.80	
11 Truck	Custom								
<b>Total for Field Operations</b>		\$11.52	\$19.28	\$5.43	\$4.04	\$15.55	\$7.43	<b>\$63.25</b>	
<b>Wage</b> \$12.00/hr	<b>Elec</b> \$0.072/kwh								
<b>Diesel</b> \$4.00/gal									
<b>Materials &amp; Services</b>		<b>Oper #</b>	<b>Acres X</b>	<b>Quantity/Acre x</b>	<b>Price\$/Unit =</b>	<b>Total \$/Acre</b>			
82-0-0	Fertilizer	2	100%	110 lb N	0.67/lb N	\$73.70			
10-34-0	Fertilizer	4	100%	6 gal	6.84/gal	\$41.04			
Bicep II Magnum	Herbicide	4	100%	2.1 qt	11.50/qt	\$24.15			
Sorghum Safened/Insect	Seed	4	100%	4 lb	3.20/lb	\$12.80			
Peak	Herbicide	7	100%	0.75 oz	17.00/oz	\$12.75			
Crop Oil Concentrate	Herbicide	7	100%	2 pt	1.13/pt	\$2.26			
Aerial Spray	Custom	8	15%	1 ac	7.00/ac	\$1.05			
Lorsban 4 E	Insecticide*	8	15%	1.5 pt	5.25/pt	\$1.18			
Haul Grain bu	Custom	11	100%	90 bu	0.15/bu	\$13.50			
<b>Total Materials &amp; Services</b>						<b>\$182.43</b>			
*Treating greenbugs one year in 10, chinchbugs one in 15									
<b>Total listed costs for Field Operations and Materials &amp; Services</b>								<b>\$245.68</b>	
<b>Cost per bushel for Field Operations and Materials &amp; Service</b>								<b>\$2.73</b>	

For interest, overhead, management, crop insurance, machinery insurance, and land costs see the "Worksheet to Calculate Costs Other than Operating and Use-Related Depreciation." For help in converting energy costs for your farm situation, see "Converting Energy Numbers in Budgets," and "Diesel Fuel Conversion for Center Pivots."



**Grain Sorghum, Rainfed**  
**No-Till 120 bu/ac yield goal**  
**110 bu/ac Grain Sorghum**

**Year 2009**

Field Operations	Times or Qty	Labor	+Fuel & Lube	Repairs		Depreciation		= Total	Your Estimate
				+Pwr	+Imp	+Pwr	+Imp		
1 Spray	1 ac	\$0.98	\$0.50	\$0.58	\$0.19	\$0.05	\$0.22	\$2.52	
2 Spray Liquid Fertilizer	1 ac	\$0.98	\$0.50	\$0.58	\$0.19	\$0.05	\$0.22	\$2.52	
3 Plant No-Till	1 ac	\$2.46	\$2.54	\$0.34	\$1.27	\$1.89	\$1.89	\$10.39	
4 Spray	0.5 ac	\$0.50	\$0.26	\$0.29	\$0.10	\$0.02	\$0.11	\$1.28	
5 Spray	Custom								
6 Combine	1 ac	\$1.84	\$5.84	\$2.30	\$0.13	\$9.40	\$1.37	\$20.88	
7 Cart	110 bu	\$0.58	\$1.24	\$0.09	\$0.44	\$0.57	\$0.74	\$3.66	
8 Truck	Custom								
<b>Total for Field Operations</b>		\$7.34	\$10.88	\$4.18	\$2.32	\$11.98	\$4.55	<b>\$41.25</b>	
<b>Wage</b> \$12.00/hr	<b>Elec</b> \$0.072/kwh								
<b>Diesel</b> \$4.00/gal									
<b>Materials &amp; Services</b>		<b>Oper #</b>	<b>Acres X</b>	<b>Quantity/Acre x</b>	<b>Price\$/Unit =</b>	<b>Total \$/Acre</b>			
Glyphosate w/Surf	Herbicide	1	100%	32 oz	0.35/oz	\$11.20			
28-0-0	Fertilizer	2	100%	130 lb N	0.82/lb N	\$106.60			
Bicep II Magnum	Herbicide	3	100%	2.1 qt	11.50/qt	\$24.15			
10-34-0	Fertilizer	3	100%	6 gal	6.84/gal	\$41.04			
Sorghum Safened/Insect	Seed	3	100%	4 lb	3.20/lb	\$12.80			
Peak	Herbicide	4	50%	0.75 oz	17.00/oz	\$6.38			
Crop Oil Concentrate	Herbicide	4	50%	2 pt	1.13/pt	\$1.13			
Aerial Spray	Custom	5	15%	1 ac	7.00/ac	\$1.05			
Lorsban 4 E	Insecticide*	5	15%	1.5 pt	5.25/pt	\$1.18			
Haul Grain bu	Custom	8	100%	110 bu	0.15/bu	\$16.50			
<b>Total Materials &amp; Services</b>						<b>\$222.03</b>			
*Treating greenbugs one year in 10, chinch bugs one in 15									
<b>Total listed costs for Field Operations and Materials &amp; Services</b>								<b>\$263.28</b>	
<b>Cost per bushel for Field Operations and Materials &amp; Service</b>								<b>\$2.39</b>	

For interest, overhead, management, crop insurance, machinery insurance, and land costs see the "Worksheet to Calculate Costs Other than Operating and Use-Related Depreciation." For help in converting energy costs for your farm situation, see "Converting Energy Numbers in Budgets," and "Diesel Fuel Conversion for Center Pivots."



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**Grain Sorghum, Rainfed** **Year 2009**  
**Ecofallow, After Wheat, Two Crops in Three Years, 110 bu/ac yield goal**  
**100 bu/ac Grain Sorghum**

Field Operations	Times or Qty	Labor	+Fuel & Lube	Repairs		Depreciation		= Total	Your Estimate
				+Pwr	+Imp	+Pwr	+Imp		
1 Spray	1 ac	\$0.59	\$0.46	\$0.35	\$0.30	\$0.04	\$0.25	\$1.99	
2 Spray	1 ac	\$0.59	\$0.46	\$0.35	\$0.30	\$0.04	\$0.25	\$1.99	
3 Spray	1 ac	\$0.59	\$0.46	\$0.35	\$0.30	\$0.04	\$0.25	\$1.99	
4 No-Till Drill	1 ac	\$1.92	\$3.60	\$0.28	\$2.41	\$1.55	\$2.19	\$11.95	
5 Spray	0.5 ac	\$0.30	\$0.24	\$0.18	\$0.16	\$0.01	\$0.13	\$1.02	
6 Spray	Custom								
7 Combine	1 ac	\$1.84	\$5.84	\$2.30	\$0.13	\$9.40	\$1.37	\$20.88	
8 Cart	100 bu	\$0.50	\$1.06	\$0.07	\$0.38	\$0.48	\$0.64	\$3.13	
9 Truck	Custom								
<b>Total for Field Operations</b>		\$6.33	\$12.12	\$3.88	\$3.98	\$11.56	\$5.08	<b>\$42.95</b>	
<b>Wage</b> \$12.00/hr	<b>Elec</b> \$0.072/kwh								
<b>Diesel</b> \$4.00/gal									
<b>Materials &amp; Services</b>		<b>Oper #</b>	<b>Acres X</b>	<b>Quantity/Acre x</b>	<b>Price\$/Unit =</b>	<b>Total \$/Acre</b>			
Glyphosate w/Surf	Herbicide	1	100%	32 oz	0.35/oz	\$11.20			
21-0-0-26s	Spray Grade	1	100%	2 lb	0.53/lb	\$1.06			
AAtrex 4L	Herbicide	2	100%	1 qt	4.75/qt	\$4.75			
Gramoxone Inteon	Herbicide	2	100%	1.5 pt	4.75/pt	\$7.13			
28-0-0	Fertilizer	3	100%	120 lb N	0.82/lb N	\$98.40			
Bicep II Magnum	Herbicide	3	100%	2.1 qt	11.50/qt	\$24.15			
10-34-0	Fertilizer	4	100%	6 gal	6.84/gal	\$41.04			
Sorghum Safened/Insect	Seed	4	100%	4 lb	3.20/lb	\$12.80			
Peak	Herbicide	5	50%	0.75 oz	17.00/oz	\$6.38			
Crop Oil Concentrate	Herbicide	5	50%	2 pt	1.13/pt	\$1.13			
Aerial Spray	Custom	6	15%	1 ac	7.00/ac	\$1.05			
Lorsban 4 E	Insecticide*	6	15%	1.5 pt	5.25/pt	\$1.18			
Haul Grain bu	Custom	9	100%	100 bu	0.15/bu	\$15.00			
<b>Total Materials &amp; Services</b>						<b>\$225.27</b>			
*Treating greenbugs one year in 10, chinch bugs one in 15									
<b>Total listed costs for Field Operations and Materials &amp; Services</b>								<b>\$268.22</b>	
<b>Cost per bushel for Field Operations and Materials &amp; Service</b>								<b>\$2.68</b>	

For interest, overhead, management, crop insurance, machinery insurance, and land costs see the "Worksheet to Calculate Costs Other than Operating and Use-Related Depreciation." For help in converting energy costs for your farm situation, see "Converting Energy Numbers in Budgets," and "Diesel Fuel Conversion for Center Pivots."

**Grain Sorghum, Pivot Irrigated, 800 GPM 35 PSI, 6 acre-inches  
No-Till, Limited Irrigation 160 bu/ac yield goal  
145 bu/ac Grain Sorghum**

**Year 2009**

Field Operations	Times or Qty	Labor	+Fuel & Lube	Repairs		Depreciation		= Total	Your Estimate
				+Pwr	+Imp	+Pwr	+Imp		
1 Spray	1 ac	\$0.98	\$0.50	\$0.58	\$0.19	\$0.05	\$0.22	\$2.52	
2 Apply Anhydrous	1 ac	\$1.68	\$3.24	\$0.24	\$0.73	\$1.49	\$0.71	\$8.09	
3 Spray	1 ac	\$0.98	\$0.50	\$0.58	\$0.19	\$0.05	\$0.22	\$2.52	
4 Plant	1 ac	\$2.20	\$1.82	\$0.30	\$0.65	\$1.71	\$2.52	\$9.20	
5 Spray	1 ac	\$0.98	\$0.50	\$0.58	\$0.19	\$0.05	\$0.22	\$2.52	
6 Spray	Custom								
7 PivotD 125' Lift	6 Al	\$2.42	\$49.88	\$2.44	\$2.29	\$4.96	\$9.89	\$71.88	
8 Combine	1 ac	\$1.84	\$5.84	\$2.30	\$0.13	\$9.40	\$1.37	\$20.88	
9 Cart	145 bu	\$0.77	\$1.66	\$0.12	\$0.58	\$0.75	\$0.99	\$4.87	
10 Truck	Custom								
<b>Total for Field Operations</b>		\$11.85	\$63.94	\$7.14	\$4.95	\$18.46	\$16.14	<b>\$122.48</b>	
<b>Wage</b> \$12.00/hr	<b>Elec</b> \$0.072/kwh								
<b>Diesel</b> \$4.00/gal									
<b>Materials &amp; Services</b>		<b>Oper #</b>	<b>Acres X</b>	<b>Quantity/Acre x</b>	<b>Price\$/Unit =</b>	<b>Total \$/Acre</b>			
Glyphosate w/Surf	Herbicide	1	100%	32 oz	0.35/oz	\$11.20			
21-0-0-26s	Spray Grade	1	100%	2 lb	0.53/lb	\$1.06			
82-0-0	Fertilizer	2	100%	170 lb N	0.67/lb N	\$113.90			
Bicep II Magnum	Herbicide	3	100%	2 qt	11.50/qt	\$23.00			
10-34-0	Fertilizer	4	100%	6 gal	6.84/gal	\$41.04			
Sorghum Safened/Insect	Seed	4	100%	4 lb	3.20/lb	\$12.80			
Peak	Herbicide	5	100%	0.75 oz	17.00/oz	\$12.75			
Crop Oil Concentrate	Herbicide	5	100%	2 pt	1.13/pt	\$2.26			
Aerial Spray	Custom	6	15%	1 ac	7.00/ac	\$1.05			
Lorsban 4 E	Insecticide*	6	15%	1.5 pt	5.25/pt	\$1.18			
Haul Grain	Custom	10	100%	145 bu	0.15/bu	\$21.75			
<b>Total Materials &amp; Services</b>						<b>\$241.99</b>			
*Treating greenbugs one year in 10, chinch bugs one in 15									
<b>Total listed costs for Field Operations and Materials &amp; Services</b>								<b>\$364.47</b>	
<b>Cost per bushel for Field Operations and Materials &amp; Service</b>								<b>\$2.51</b>	

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