

Crop Budgets

Nebraska – 2011

Edited by

Robert N. Klein, Western Nebraska Crops Specialist
Roger K. Wilson, Farm Management/Enterprise Budget Analyst

This contains information on how the *2011 Nebraska Crop Production Budgets* (EC872) were prepared and tables of input costs used to develop them.

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**2011 Budget 24. Grain Sorghum, Conventional, 105 bu Yield Goal (95 bu Actual)
Rainfed**

	<i>Field Operations</i>	<i>Times or Qty</i>	<i>Labor @ \$12/Hr</i>	<i>Fuel @ \$3 and Lube</i>	<i>Repairs</i>		<i>Ownership</i>		<i>Total</i>	<i>Your Estimate</i>
					<i>Power</i>	<i>Imp.</i>	<i>Power</i>	<i>Imp.</i>		
1	Disc	1	1.21	2.62	0.13	1.29	2.78	1.26	9.29	
2	Anhydrous Apply	1	1.68	2.79	0.18	0.82	3.87	3.07	12.41	
3	Field Cultivation	1	0.62	1.33	0.07	0.41	1.43	0.83	4.69	
4	Plant	1	2.20	1.57	0.41	4.07	2.28	2.14	12.67	
5	Row Crop Cultivation	1	2.00	1.76	0.23	0.81	5.06	0.79	10.65	
6	Row Crop Cultivation	0.25	0.50	0.44	0.06	0.20	1.27	0.20	2.67	
7	Spray	1	0.60	0.41	0.11	0.21	0.62	0.25	2.20	
8	Spray	Custom								
9	Combine Rainfed SG	1	1.89	5.18	2.67	0.83	10.42	2.52	23.51	
10	Cart	95 bu	0.48	0.88	0.09	0.03	0.50	0.60	2.58	
11	Truck	Custom								
Total for Field Operations			\$11.18	\$16.98	\$3.95	\$8.67	\$28.23	\$11.66	\$80.67	

<i>Materials and Services</i>		<i>Operation Index</i>	<i>Percent Acres Applied</i>	<i>Application</i>		<i>Applied Price</i>	<i>Total</i>	<i>Your Estimate</i>
				<i>Rate</i>	<i>Unit</i>			
82-0-0	Fertilizer	2	100%	105	lbs N	0.48	50.40	
10-34-0	Fertilizer	4	100%	6	gallons	4.50	27.00	
Lumax	Herbicide	4	100%	2.5	quarts	17.50	43.75	
Sorghum Safened/Insect	Seed	4	100%	4	pounds	2.10	8.40	
Peak	Herbicide	7	100%	0.75	ounce	14.50	10.88	
Crop Oil Concentrate	Herbicide	7	100%	2	pints	1.13	2.26	
*Aerial Spray	Custom	8	15%	1	acre	7.50	1.13	
*Lorsban 4 E	Insecticide	8	15%	1.5	pints	5.75	1.29	
Haul Grain bu	Custom	11	100%	95	bushels	0.16	9.50	
Scouting Grain Sorghum	Scouting	-	100%	1	acre	6.00	6.00	
Grain Sorghum Premium	Crop Insurance	-	100%	1	acre	21.00	21.00	
Total Materials and Services 17,500 seeds per acre, 80,000 seeds per bag, 20% refuge							\$181.61	
*Treating greenbugs one year in 10, chinchbugs one in 15.								

Total Listed Costs for Field Operations and Materials and Services	\$262.28	
Interest on Operating Capital \$222.39 cash expense @ 8.00% for 6 months	\$8.90	
Total Operating and Use-Related Ownership Costs	\$271.18	

Overhead (accounting, liability insurance, vehicle cost, office expense)	5.00	
Real Estate Opportunity Rainfed (Southwest)	**\$613 per acre @ 4.00%	\$24.50
Real Estate Taxes	**\$613 per acre @ 1.00%	\$6.13
Total Cost per Acre Including Overhead		\$306.81
Cost per Bushel		\$3.23
Cash Cost per Bushel		\$2.50

**Since sorghum is generally planted on less productive land, real estate cost is reduced to 70% of average value.

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**2011 Budget 25. Grain Sorghum, No-Till, 125 bu Yield Goal (115 bu Actual)
Rainfed**

	<i>Field Operations</i>	<i>Times or Qty</i>	<i>Labor @ \$12/Hr</i>	<i>Fuel @ \$3 and Lube</i>	<i>Repairs</i>		<i>Ownership</i>		<i>Total</i>	<i>Your Estimate</i>
					<i>Power</i>	<i>Imp.</i>	<i>Power</i>	<i>Imp.</i>		
1	Spray	1	0.60	0.41	0.11	0.21	0.62	0.25	2.20	
2	Spray Liquid Fertilizer	1	0.98	0.43	0.10	0.29	2.25	1.26	5.31	
3	Plant No-Till	1	2.45	2.16	0.46	5.10	2.54	2.14	14.85	
4	Spray	Custom								
5	Combine Rainfed SG	1	1.89	5.18	2.67	0.83	10.42	2.52	23.51	
6	Cart	115 bu	0.58	1.07	0.11	0.04	0.60	0.73	3.13	
7	Truck	Custom								
Total for Field Operations			\$6.50	\$9.25	\$3.45	\$6.47	\$16.43	\$6.90	\$49.00	
	<i>Materials and Services</i>		<i>Operation Index</i>	<i>Percent Acres Applied</i>	<i>Application</i>		<i>Applied Price</i>	<i>Total</i>	<i>Your Estimate</i>	
					<i>Rate</i>	<i>Unit</i>				
	Glyphosate w/Surf	Herbicide	1	100%	32	ounces	0.09	3.00		
	32-0-0	Fertilizer	2	100%	125	lbs N	0.53	66.20		
	Lumax	Herbicide	3	100%	2.5	quarts	17.50	43.75		
	10-34-0	Fertilizer	3	100%	6	gallons	4.50	27.00		
	Sorghum Safened/Insect	Seed	3	100%	4	pounds	2.10	8.40		
	*Aerial Spray	Custom	4	15%	1	acre	7.50	1.13		
	*Lorsban 4 E	Insecticide	4	15%	1.5	pints	5.75	1.29		
	Haul Grain bu	Custom	7	100%	115	bushels	0.10	11.50		
	Scouting Grain Sorghum	Scouting	–	100%	1	acre	6.00	6.00		
	Grain Sorghum Premium	Crop Insurance	–	100%	1	acre	21.00	21.00		
Total Materials and Services								\$189.27		
*Treating greenbugs one year in 10, chinchbugs one in 15.										
Total Listed Costs for Field Operations and Materials and Services									\$238.27	
Interest on Operating Capital \$214.94 cash expense @ 8.00% for 6 months									\$8.60	
Total Operating and Use-Related Ownership Costs									\$246.87	
Overhead (accounting, liability insurance, vehicle cost, office expense)									5.00	
	Real Estate Opportunity	Rainfed (State)	**\$1,295 per acre @ 4.00%						\$51.80	
	Real Estate Taxes		**\$1,295 per acre @ 1.00%						\$12.95	
Total Cost per Acre Including Overhead									\$316.62	
Cost per Bushel									\$2.75	
Cash Cost per Bushel									\$2.06	

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2011 Budget 26. Grain Sorghum, Ecofallow, after Wheat, 2 Crops in 3 Years, 115 bu Yield Goal (105 bu Actual)

Rainfed

	<i>Field Operations</i>	<i>Times or Qty</i>	<i>Labor @ \$12/Hr</i>	<i>Fuel @ \$3 and Lube</i>	<i>Repairs</i>		<i>Ownership</i>		<i>Total</i>	<i>Your Estimate</i>
					<i>Power</i>	<i>Imp.</i>	<i>Power</i>	<i>Imp.</i>		
1	Spray	1	0.60	0.41	0.11	0.21	0.62	0.25	2.20	
2	Spray	1	0.60	0.41	0.11	0.21	0.62	0.25	2.20	
3	Spray	1	0.60	0.41	0.11	0.21	0.62	0.25	2.20	
4	No-Till Drill	1	1.93	3.06	0.20	3.09	4.44	2.14	14.86	
5	Spray	Custom								
6	Combine Irr SG	1	1.80	4.94	2.55	0.75	9.95	2.52	22.51	
7	Cart	105 bu	0.53	0.98	0.10	0.04	0.55	0.67	2.87	
8	Truck	Custom								
Total for Field Operations			\$6.06	\$10.21	\$3.18	\$4.51	\$16.80	\$6.08	\$46.84	

	<i>Materials and Services</i>		<i>Operation Index</i>	<i>Percent Acres Applied</i>	<i>Application</i>		<i>Applied Price</i>	<i>Total</i>	<i>Your Estimate</i>
					<i>Rate</i>	<i>Unit</i>			
	Glyphosate w/Surf	Herbicide	1	100%	32	ounces	0.09	3.00	
	21-0-0-26S	Fertilizer	1	100%	2	lbs N	0.53	1.06	
	AAtrex 4L	Herbicide	2	100%	1	quart	6.25	6.25	
	Gramoxone Inteon	Herbicide	2	100%	1.5	pints	4.75	7.13	
	32-0-0	Fertilizer	3	100%	115	lbs N	0.53	60.90	
	Lumax	Herbicide	3	100%	2.5	quarts	17.50	43.75	
	10-34-0	Fertilizer	4	100%	6	gallons	4.50	27.00	
	Sorghum Safened/Insect	Seed	4	100%	4	pounds	2.10	8.40	
	*Aerial Spray	Custom	5	15%	1	acre	7.50	1.13	
	*Lorsban 4 E	Insecticide	5	15%	1.5	pints	5.75	1.29	
	Haul Grain bu	Custom	8	100%	105	bushels	0.10	10.50	
	Scouting Grain Sorghum	Scouting	-	100%	1	acre	6.00	6.00	
	Grain Sorghum Premium	Crop Insurance	-	100%	1	acre	21.00	21.00	
Total Materials and Services								\$197.41	

*Treating greenbugs one year in 10, chinchbugs one in 15.

Total Listed Costs for Field Operations and Materials and Services		\$244.25	
Interest on Operating Capital \$221.37 cash expense @ 8.00% for 6 months		\$8.85	
Total Operating and Use-Related Ownership Costs		\$253.10	

Overhead (accounting, liability insurance, vehicle cost, office expense)		5.00	
Real Estate Opportunity	Rainfed (State)	**\$1,295 per acre @ 4.00%	\$51.80
Real Estate Taxes		**\$1,295 per acre @ 1.00%	\$12.95
Total Cost per Acre Including Overhead		\$322.85	
Cost per Bushel		\$3.07	
Cash Cost per Bushel		\$2.32	

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**2011 Budget 27. Grain Sorghum, No-Till, Limited Irrigation, 165 bu Yield Goal (150 bu Actual)
Pivot 800 GPM 35 PSI, 6 Acre-inches**

	Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$3 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1	Spray	1	0.60	0.41	0.11	0.21	0.62	0.25	2.20	
2	Anhydrous Apply	1	1.68	2.79	0.18	0.82	3.87	3.07	12.41	
3	Spray	1	0.60	0.41	0.11	0.21	0.62	0.25	2.20	
4	Plant	1	2.20	1.57	0.41	4.07	2.28	2.14	12.67	
5	Spray	Custom								
6	PivotD 125' Lift	6 AI	2.50	38.41	1.96	6.92	5.39	4.14	59.32	
7	Combine Irr SG	1	1.80	4.94	2.55	0.75	9.95	2.52	22.51	
8	Cart	150 bu	0.76	1.39	0.14	0.05	0.79	0.95	4.08	
9	Truck	Custom								
Total for Field Operations			\$10.14	\$49.92	\$5.46	\$13.03	\$23.52	\$13.32	\$115.39	
	Materials and Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
					Rate	Unit				
	Glyphosate w/Surf	Herbicide	1	100%	32	ounces	0.09	3.00		
	21-0-0-26S	Fertilizer	1	100%	2	lbs N	0.53	1.06		
	82-0-0	Fertilizer	2	100%	160	lbs N	0.48	76.80		
	Lumax	Herbicide	3	100%	2.5	quarts	17.50	43.75		
	10-34-0	Fertilizer	4	100%	6	gallons	4.50	27.00		
	Sorghum Safened/Insect	Seed	4	100%	4	pounds	2.50	15.00		
	*Aerial Spray	Custom	5	15%	1	acre	7.50	1.13		
	*Lorsban 4 E	Insecticide	5	15%	1.5	pints	5.25	1.18		
	Haul Grain bu	Custom	9	100%	150	bushels	0.10	15.00		
	Scouting Grain Sorghum	Scouting	-	100%	1	acre	6.00	6.00		
	Grain Sorghum Premium	Crop Insurance	-	100%	1	acre	21.00	21.00		
Total Materials and Services								\$204.43		
*Treating greenbugs one year in 10, chinchbugs one in 15.										
Total Listed Costs for Field Operations and Materials and Services									\$319.82	
Interest on Operating Capital \$282.98 cash expense @ 8.00% for 6 months									\$11.32	
Total Operating and Use-Related Ownership Costs									\$331.14	
Overhead (accounting, liability insurance, vehicle cost, office expense)									5.00	
Real Estate Opportunity		Pivot (State)		**\$3,040 per acre @ 4.00%					\$121.60	
Real Estate Taxes				**\$3,040 per acre @ 1.00%					\$30.40	
Total Cost per Acre Including Overhead									\$488.14	
Cost per Bushel									\$3.25	
Cash Cost per Bushel									\$2.16	

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