

2016 Nebraska Crop Budgets

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Note: These budget projections were created using assumptions thought to be valid for many Nebraska producers; however, each farming operation is unique. These budgets are being released in both Adobe PDF and Excel® worksheet formats. The worksheet format allows producers to modify them to match their specific situation. The danger of releasing a tool that can subsequently be modified is that there is no way to verify whether alterations were made or unrealistic data was entered. Users of this tool are responsible for independently verifying all results prior to relying on them. Original files for these budgets are available at <http://extension.unl.edu/publications> and on <http://cropwatch.unl.edu/economics/budgets>.

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**2016 Budget 38-Grain Sorghum, Conventional Tillage, 105 bu Yield Goal (95 bu Actual Yield)
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.02	1.97	0.29	1.24	4.14	1.21	10.87	
2 Anhydrous Apply	1		1.83	1.37	0.69	0.58	2.30	3.94	10.71	
3 Field Cultivation	1		1.47	1.41	0.56	1.28	1.84	1.57	8.13	
4 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
5 Plant	1		2.40	0.71	0.83	2.54	2.76	3.89	13.13	
6 Row Crop Cultivation	1		2.00	0.82	0.76	0.44	2.51	1.64	8.17	
7 Row Crop Cultivation	0.25		0.50	0.21	0.19	0.11	0.63	0.41	2.05	
8 Spray	0.5		0.50	0.14	0.17	0.32	0.55	0.44	2.12	
9 Aerial Spray	Custom									
10 Combine Dryland SG	1		3.38	4.18	7.87	1.10	6.45	2.81	25.79	
11 Cart	95	bu	1.36	0.48	0.51	0.87	1.71	0.56	5.49	
12 Truck	Custom									
Total for Field Operations			16.46	11.56	12.20	9.12	24.00	17.35	90.69	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
82-0-0	Fertilizer	2	100%	100 lbs N	0.43	43.00	
10-34-0	Fertilizer	4	100%	6 gallon	2.80	16.80	
Lumax EZ	Herbicide	4	100%	2.7 quart	20.00	54.00	
AAtrex 4L	Herbicide	4	100%	0.5 quart	5.25	2.63	
Sorghum Safened/Insect	Seed	5	100%	4 pound	3.20	12.80	
Huskie	Herbicide	8	50%	11 ounce	0.94	5.16	
21-0-0-24S	Additive	8	50%	1 pound	0.35	0.18	
* Aerial Spray	Custom	9	15%	1 acre	9.50	1.43	
* Lorsban Advanced	Insecticide	9	15%	1.5 pint	6.88	1.55	
Haul Grain Bushels	Custom	12	100%	95 bushel	0.11	10.45	
Scouting Grain Sorghum	Scouting		100%	1 acre	7.00	7.00	
Grain Sorghum Dryland	Crop Insurance				8.82	8.82	
Total Materials & Services						163.82	

*Treating greenbugs one year in 10, chinchbugs one in 20.

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 213.16 cash expense @ 5.50% for 6.0 mo. 254.51

Total Operating and Use Related Ownership Costs 260.37

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

** Real Estate Opportunity Dryland (Southwest) \$ 1,299 per acre @ 4.00% 51.94

** Real Estate Taxes \$ 1,299 per acre @ 1.00% 12.99

Total Cost per Acre Including Overhead 345.30

Cost per bu 3.63

Cash Cost per bu 2.44

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

**2016 Budget 39-Grain Sorghum, No-Till, 125 bu Yield Goal (115 bu Actual Yield)
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
2 Spray Fertilizer and Herbicide	1		1.00	0.27	0.33	0.19	1.11	2.21	5.11	
3 Plant No-Till	1		2.40	0.87	0.83	4.37	2.76	6.70	17.93	
4 Spray	0.5		0.50	0.14	0.17	0.32	0.55	0.44	2.12	
5 Aerial Spray	Custom									
6 Combine Dryland SG	1		3.38	4.18	7.87	1.10	6.45	2.81	25.79	
7 Cart	115	bu								
8 Truck	Custom									
Total for Field Operations			8.28	5.73	9.53	6.62	11.98	13.04	55.18	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
2,4-D Ester 4#	Herbicide	1	100%	1 pint	2.56	2.56	
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60	
32-0-0	Fertilizer	2	100%	120 lbs N	0.47	56.40	
Lumax EZ	Herbicide	2	100%	2.7 quart	20.00	54.00	
AAtrex 4L	Herbicide	2	100%	0.5 quart	5.25	2.63	
10-34-0	Fertilizer	3	100%	6 gallon	2.80	16.80	
Sorghum Safened/Insect	Seed	3	100%	4 pound	3.20	12.80	
Huskie	Herbicide	4	50%	11 ounce	0.94	5.16	
21-0-0-24S	Additive	4	50%	1 pound	0.35	0.18	
* Aerial Spray	Custom	5	15%	1 acre	9.50	1.43	
* Lorsban Advanced	Insecticide	5	15%	1.5 pint	6.88	1.55	
Haul Grain Bushels	Custom	8	100%	115 bushel	0.11	12.65	
Scouting Grain Sorghum	Scouting		100%	1 acre	7.00	7.00	
Grain Sorghum Dryland	Crop Insurance				9.58	9.58	
Total Materials & Services						187.34	

*Treating greenbugs one year in 10, chinchbugs one in 20.

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 217.50 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

Overhead (accounting, liability insurance, vehicle cost, office expense)

** Real Estate Opportunity \$ 2,373 per acre @ 4.00%

** Real Estate Taxes \$ 2,373 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per bu

Cash Cost per bu

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

**2016 Budget 40-Grain Sorghum, Ecofallow, After Wheat, Two Crops in Three Years, 115 bu Yield Goal (105 bu Actual Yield)
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
2 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
3 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
4 No-Till Drill	1		1.83	1.31	0.69	1.57	2.30	3.54	11.24	
5 Spray	0.5		0.50	0.14	0.17	0.32	0.55	0.44	2.12	
6 Aerial Spray	Custom									
7 Combine Dryland SG	1		3.38	4.18	7.87	1.10	6.45	2.81	25.79	
8 Cart	105	bu	1.50	0.53	0.57	0.96	1.88	0.61	6.05	
9 Truck	Custom									
Total for Field Operations			10.21	6.97	10.29	5.87	14.51	10.04	57.89	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Glyphosate w/Surf	Herbicide	1	100%	32	ounce	0.13	4.00	
2,4-D Ester 4#	Herbicide	1	100%	1	pint	2.56	2.56	
21-0-0-24S	Additive	1	100%	1.7	pound	0.35	0.60	
AAtrex 4L	Herbicide	2	100%	1	quart	5.25	5.25	
Gramoxone SL	Herbicide	2	100%	1.5	pint	5.38	8.06	
32-0-0	Fertilizer	3	100%	110	lbs N	0.47	51.70	
Lumax EZ	Herbicide	3	100%	2.7	quart	20.00	54.00	
10-34-0	Fertilizer	4	100%	6	gallon	2.80	16.80	
Sorghum Safened/Insect	Seed	4	100%	4	pound	3.20	12.80	
Huskie	Herbicide	5	50%	11	ounce	0.94	5.16	
21-0-0-24S	Additive	5	50%	1	pound	0.35	0.18	
* Aerial Spray	Custom	6	15%	1	acre	9.50	1.43	
* Lorsban Advanced	Insecticide	6	15%	1.5	pint	6.88	1.55	
Haul Grain Bushels	Custom	9	100%	105	bushel	0.11	11.55	
Scouting Grain Sorghum	Scouting		100%	1	acre	7.00	7.00	
Grain Sorghum Dryland	Crop Insurance					9.22	9.22	
Total Materials & Services							191.86	

*Treating greenbugs one year in 10, chinchbugs one in 20.

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 225.20	cash expense @	5.50%	for 6.0 mo.	6.19
Total Operating and Use Related Ownership Costs				255.94

Overhead (accounting, liability insurance, vehicle cost, office expense)

** Real Estate Opportunity	Dryland (Southwest)	\$ 1,299	per acre @	4.00%	51.94
** Real Estate Taxes		\$ 1,299	per acre @	1.00%	12.99

Total Cost per Acre Including Overhead 340.87

Cost per bu 3.25

Cash Cost per bu 2.33

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

**2016 Budget 41-Grain Sorghum, No-Till, Limited Irrigation, 165 bu Yield Goal (150 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 6 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
2 Anhydrous Apply	1		1.83	1.37	0.69	0.58	2.30	3.94	10.71	
3 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
4 Plant No-Till	1		2.40	0.87	0.83	4.37	2.76	6.70	17.93	
5 Spray	0.5		0.50	0.14	0.17	0.32	0.55	0.44	2.12	
6 Aerial Spray	Custom									
7 Pivot D 125' Lift	6	ai	4.17	28.81	2.06	9.68	2.98	5.79	53.49	
8 Combine Irr SG	1		3.38	4.18	7.87	1.10	6.45	2.81	25.79	
9 Cart	150	bu	2.14	0.76	0.81	1.37	2.69	0.88	8.65	
10 Truck	Custom									
Total for Field Operations			16.42	36.67	13.09	18.70	19.95	22.32	127.15	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Glyphosate w/Surf	Herbicide	1	100%	32	ounce	0.13	4.00	
2,4-D Ester 4#	Herbicide	1	100%	1	pint	2.56	2.56	
21-0-0-24S	Additive	1	100%	1.7	pound	0.35	0.60	
82-0-0	Fertilizer	2	100%	150	lbs N	0.43	64.50	
Lumax EZ	Herbicide	3	100%	2.7	quart	20.00	54.00	
AAtrex 4L	Herbicide	3	100%	0.5	quart	5.25	2.63	
10-34-0	Fertilizer	4	100%	6	gallon	2.80	16.80	
Sorghum Safened/Insect	Seed	4	100%	6	pound	3.20	19.20	
Huskie	Herbicide	5	50%	11	ounce	0.94	5.16	
21-0-0-24S	Additive	5	50%	1	pound	0.35	0.18	
* Aerial Spray	Custom	6	15%	1	acre	9.50	1.43	
* Lorsban Advanced	Insecticide	6	15%	1.5	pint	6.88	1.55	
Haul Grain Bushels	Custom	10	100%	150	bushel	0.11	16.50	
Scouting Grain Sorghum	Scouting		100%	1	acre	7.00	7.00	
Grain Sorghum Irrigated	Crop Insurance					7.33	7.33	
Total Materials & Services							203.44	

*Treating greenbugs one year in 10, chinchbugs one in 20.

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 288.32 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

Overhead (accounting, liability insurance, vehicle cost, office expense)

** Real Estate Opportunity Pivot (Marginal Land) \$ 3,584 per acre @ 4.00%
 ** Real Estate Taxes \$ 3,584 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per bu

Cash Cost per bu

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