

# 2018 Nebraska Crop Budgets

Developed and  
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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>.

## Additional Resource Persons

The following individuals contributed to the budgets in their specialty areas:

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**2018 Budget 43-Grain Sorghum, Conventional Tillage, 105 bu Yield Goal (95 bu Actual Yield)  
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.02	2.14	0.30	1.27	4.04	1.14	10.91	
2 Anhydrous Application	1		1.83	1.49	0.72	0.58	2.25	3.63	10.50	
3 Field Cultivation	1		1.47	1.54	0.58	1.33	1.80	1.51	8.23	
4 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
5 Plant	1		2.40	0.77	0.86	2.54	2.70	3.53	12.80	
6 Row Crop Cultivation	1		2.00	0.90	0.78	0.44	2.45	1.52	8.09	
7 Row Crop Cultivation	0.25		0.50	0.22	0.20	0.11	0.61	0.38	2.02	
8 Spray Herbicide	0.5		0.50	0.15	0.17	0.14	0.54	0.02	1.52	
9 Aerial Spray	Custom									
10 Combine Dryland SG	1		3.38	4.55	7.87	1.11	6.29	2.65	25.85	
11 Cart	95	bu	1.36	0.52	0.53	0.87	1.66	0.51	5.45	
12 Truck	Custom									
<b>Total for Field Operations</b>			16.46	12.58	12.36	8.68	23.42	14.93	88.43	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
10-34-0	Fertilizer	4	100%	6 gallon	2.30	13.80
Lumax EZ	Herbicide	4	100%	2.7 quart	20.00	54.00
AAtrex 4L	Herbicide	4	100%	0.5 quart	4.50	2.25
Sorghum Safened/Insect	Seed	5	100%	4 pound	3.00	12.00
Huskie	Herbicide	8	50%	11 ounce	0.94	5.16
21-0-0-24S	Additive	8	50%	1 pound	0.28	0.14
* Aerial Spray	Custom	9	15%	1 acre	10.00	1.50
* 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
	Crop Insurance				8.82	8.82
<b>Total Materials &amp; Services</b>						142.67

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

<b>Total listed costs for Field Operations and Materials and Services</b>						231.10
Interest on Operations Capital	\$ 192.75	cash expense @	5.50%	for 6.0 mo.		5.30
<b>Total Operating and Use Related Ownership Costs</b>						236.40
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)						20.00
** Real Estate Opportunity	Dryland (Southwest)	\$ 1,197	per acre @	3.00%		35.91
** Real Estate Taxes		\$ 1,197	per acre @	1.00%		11.97
<b>Total Cost per Acre Including Overhead</b>						304.28
<b>Cost per bu</b>						3.20
<b>Cash Cost per bu</b>						2.08

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

**2018 Budget 44-Grain Sorghum, No Till, 125 bu Yield Goal (115 bu Actual Yield)  
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
2 Spray Fertilizer and Herbicide	1		1.00	0.30	0.35	0.00	1.08	17.38	20.11	
3 Plant No-Till	1		2.40	0.95	0.86	4.41	2.70	6.13	17.45	
4 Spray Herbicide	0.5		0.50	0.15	0.17	0.14	0.54	0.02	1.52	
5 Aerial Spray	Custom									
6 Combine Dryland SG	1		3.38	4.55	7.87	1.11	6.29	2.65	25.85	
7 Cart	115	bu								
8 Truck	Custom									
<b>Total for Field Operations</b>			8.28	6.25	9.60	6.30	11.69	26.99	69.11	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Glyphosate w/Surfactant
2,4-D Ester LV4	Herbicide	1	100%	1 pint	2.13	2.13		
21-0-0-24S	Additive	1	100%	1.7 pound	0.28	0.48		
32-0-0	Fertilizer	2	100%	120 lbs N	0.32	38.40		
Lumax EZ	Herbicide	2	100%	2.7 quart	20.00	54.00		
AAtrex 4L	Herbicide	2	100%	0.5 quart	4.50	2.25		
10-34-0	Fertilizer	3	100%	6 gallon	2.30	13.80		
Sorghum Safened/Insect	Seed	3	100%	4 pound	3.00	12.00		
Huskie	Herbicide	4	50%	11 ounce	0.94	5.16		
21-0-0-24S	Additive	4	50%	1 pound	0.28	0.14		
* Aerial Spray	Custom	5	15%	1 acre	10.00	1.50		
* 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		
	Crop Insurance				9.58	9.58		
<b>Total Materials &amp; Services</b>							164.39	

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

<b>Total listed costs for Field Operations and Materials and Services</b>						233.50	
Interest on Operations Capital	\$ 194.82	cash expense @	5.50%	for 6.0 mo.		5.36	
<b>Total Operating and Use Related Ownership Costs</b>						238.86	
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)						20.00	
** Real Estate Opportunity	Dryland (State)	\$ 2,202	per acre @	3.00%		66.05	
** Real Estate Taxes		\$ 2,202	per acre @	1.00%		22.02	
<b>Total Cost per Acre Including Overhead</b>						346.93	
<b>Cost per bu</b>						3.02	
<b>Cash Cost per bu</b>						1.74	

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

**2018 Budget 45-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 @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
2 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
3 Spray Fertilizer and Herbicide	1		1.00	0.30	0.35	0.00	1.08	17.38	20.11	
4 No-Till Drill	1		1.83	1.43	0.72	1.57	2.25	3.21	11.01	
5 Spray Herbicide	0.5		0.50	0.15	0.17	0.14	0.54	0.02	1.52	
6 Aerial Spray	Custom									
7 Combine Dryland SG	1		3.38	4.55	7.87	1.11	6.29	2.65	25.85	
8 Cart	105	bu	1.50	0.58	0.59	0.96	1.84	0.57	6.04	
9 Truck	Custom									
<b>Total for Field Operations</b>			10.21	7.61	10.40	4.71	14.16	24.68	71.77	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
2,4-D Ester LV4	Herbicide	1	100%	1 pint	2.13	2.13	
21-0-0-24S	Additive	1	100%	1.7 pound	0.28	0.48	
AAtrex 4L	Herbicide	2	100%	1 quart	4.50	4.50	
Gramoxone SL	Herbicide	2	100%	1.5 pint	2.50	3.75	
32-0-0	Fertilizer	3	100%	110 lbs N	0.32	35.20	
Lumax EZ	Herbicide	3	100%	2.7 quart	20.00	54.00	
10-34-0	Fertilizer	4	100%	6 gallon	2.30	13.80	
Sorghum Safened/Insect	Seed	4	100%	4 pound	3.00	12.00	
Huskie	Herbicide	5	50%	11 ounce	0.94	5.16	
21-0-0-24S	Additive	5	50%	1 pound	0.28	0.14	
* Aerial Spray	Custom	6	15%	1 acre	10.00	1.50	
* 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	
	Crop Insurance				9.22	9.22	
<b>Total Materials &amp; Services</b>						165.73	

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

**Total listed costs for Field Operations and Materials and Services**

Interest on Operations Capital \$ 198.66 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 Dryland (Southwest) \$ 1,197 per acre @ 3.00% 35.91  
 \*\* Real Estate Taxes \$ 1,197 per acre @ 1.00% 11.97

**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.

**2018 Budget 46-Grain Sorghum, No Till, Limited Irrigation, 165 bu Yield Goal (150 bu Actual Yield)  
Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
2 Anhydrous Application	1		1.83	1.49	0.72	0.58	2.25	3.63	10.50	
3 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
4 Plant No-Till	1		2.40	0.95	0.86	4.41	2.70	6.13	17.45	
5 Spray Herbicide	0.5		0.50	0.15	0.17	0.14	0.54	0.02	1.52	
6 Aerial Spray	Custom									
7 Pivot D 125' Lift	6	ai	4.17	31.37	2.06	9.68	2.75	5.32	55.35	
8 Combine Irr SG	1		3.38	4.55	7.87	1.11	6.29	2.65	25.85	
9 Cart	150	bu	2.14	0.82	0.84	1.37	2.63	0.81	8.61	
10 Truck	Custom									
<b>Total for Field Operations</b>			16.42	39.93	13.22	18.22	19.32	19.41	126.52	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Glyphosate w/Surfactant
2,4-D Ester LV4	Herbicide	1	100%	1 pint	2.13	2.13		
21-0-0-24S	Additive	1	100%	1.7 pound	0.28	0.48		
82-0-0	Fertilizer	2	100%	150 lbs N	0.26	39.00		
Lumax EZ	Herbicide	3	100%	2.7 quart	20.00	54.00		
AAtrex 4L	Herbicide	3	100%	0.5 quart	4.50	2.25		
10-34-0	Fertilizer	4	100%	6 gallon	2.30	13.80		
Sorghum Safened/Insect	Seed	4	100%	6 pound	3.00	18.00		
Huskie	Herbicide	5	50%	11 ounce	0.94	5.16		
21-0-0-24S	Additive	5	50%	1 pound	0.28	0.14		
* Aerial Spray	Custom	6	15%	1 acre	10.00	1.50		
* 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		
	Crop Insurance				7.33	7.33		
<b>Total Materials &amp; Services</b>							172.59	

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

<b>Total listed costs for Field Operations and Materials and Services</b>						299.11	
Interest on Operations Capital \$ 260.38	cash expense @	5.50%	for 6.0 mo.			7.16	
<b>Total Operating and Use Related Ownership Costs</b>						306.27	
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)						20.00	
** Real Estate Opportunity	Pivot (Marginal Land)	\$ 3,085	per acre @	3.00%		92.54	
** Real Estate Taxes		\$ 3,085	per acre @	1.00%		30.85	
<b>Total Cost per Acre Including Overhead</b>						449.66	
<b>Cost per bu</b>						3.00	
<b>Cash Cost per bu</b>						1.78	

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