

2020 Nebraska Crop Budgets

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The 2020 Nebraska Crop budget projections were created using cropping practice norms for many producers in Nebraska. However, each individual farming operation is unique.

These budgets are available in both Adobe PDF and Excel worksheet formats. Producers can 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 that no alterations have been made or unrealistic data entered. Therefore, 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 <https://cropwatch.unl.edu/budgets>.

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**2020 Budget 45-Grain Sorghum, Southwest, Conventional Tillage, 115 bushel Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$2.27 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	1.98	0.60	1.36	5.40	1.22	13.08	
2 Anhydrous Application	1		2.29	1.38	0.79	0.58	2.47	3.63	11.14	
3 Field Cultivation	1		1.83	1.43	0.63	1.43	1.97	1.62	8.91	
4 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
5 Plant	1		3.00	0.71	0.95	2.91	2.96	4.05	14.58	
6 Row Crop Cultivation	1		2.50	0.83	0.86	0.44	2.69	1.52	8.84	
7 Row Crop Cultivation	0.25		0.63	0.21	0.22	0.11	0.67	0.38	2.22	
8 Spray Herbicide	0.5		0.47	0.10	0.14	0.30	0.45	0.54	2.00	
9 Aerial Spray	Custom									
10 Combine Dryland SG	1		3.93	3.92	8.65	1.30	9.24	3.67	30.71	
11 Cart	115	bu	2.05	0.58	0.71	1.05	2.21	0.62	7.22	
12 Truck	Custom									
Total for Field Operations			20.17	11.35	13.84	10.08	28.96	18.33	102.73	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
82-0-0	Fertilizer	2	100%	100 lbs N	0.32	32.00	
10-34-0	Fertilizer	4	100%	6 gallon	2.45	14.70	
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	3.50	14.00	
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	10.00	1.50	
* Mustang Maxx	Insecticide	9	15%	3 ounce	1.41	0.63	
Haul Grain Bushels	Custom	12	100%	115 bushel	0.11	12.65	
Scouting Grain Sorghum	Scouting		100%	1 acre	7.00	7.00	
	Crop Insurance				24.00	24.00	
Total Materials & Services						168.07	

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

Total listed costs for Field Operations and Materials and Services 270.80

Interest on Operations Capital \$ 223.51 cash expense @ 5.50% for 6.0 mo. 6.15

Total Operating and Use Related Ownership Costs 276.95

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

** Real Estate Opportunity[^] Dryland (Southwest) \$ 1,110 per acre @ 3.00% 33.29

** Real Estate Taxes \$ 1,110 per acre @ 1.35% 14.98

Total Cost per Acre Including Overhead 345.22

Cash Cost per bushel ^{^Ownership and RE Opportunity not included in cash costs.} 2.30

Cost of production per bushel 3.00

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

**2020 Budget 46-Grain Sorghum, No Till, 135 bushel Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$2.27 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
2 Spray Fertilizer and Herbicide	1		0.95	0.21	0.29	0.16	0.90	2.71	5.22	
3 Plant No-Till	1		3.00	0.88	0.95	3.26	2.96	4.53	15.58	
4 Spray Herbicide	0.5		0.47	0.10	0.14	0.30	0.45	0.54	2.00	
5 Aerial Spray	Custom									
6 Combine Dryland SG	1		3.93	3.92	8.65	1.30	9.24	3.67	30.71	
7 Cart	135	bu	2.41	0.69	0.83	1.24	2.59	0.73	8.49	
8 Truck	Custom									
Total for Field Operations			11.71	6.01	11.15	6.86	17.04	13.26	66.03	

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	2.00	2.00
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60
32-0-0	Fertilizer	2	100%	120 lbs N	0.40	48.00
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	2.45	14.70
Sorghum Safened/Insect	Seed	3	100%	4 pound	3.50	14.00
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	10.00	1.50
* Mustang Maxx	Insecticide	5	15%	3 ounce	1.41	0.63
Haul Grain Bushels	Custom	8	100%	135 bushel	0.11	14.85
Scouting Grain Sorghum	Scouting		100%	1 acre	7.00	7.00
	Crop Insurance				21.00	21.00
Total Materials & Services						189.62

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

Total listed costs for Field Operations and Materials and Services		255.65
Interest on Operations Capital \$ 225.35 cash expense @ 5.50% for 6.0 mo.		6.20
Total Operating and Use Related Ownership Costs		261.85
Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00
** Real Estate Opportunity [^] Dryland (State)	\$ 2,128 per acre @ 3.00%	63.84
** Real Estate Taxes	\$ 2,128 per acre @ 1.35%	28.73
Total Cost per Acre Including Overhead		374.42

Cash Cost per bushel	[^] Ownership and RE Opportunity not included in cash costs.	2.08
Cost of production per bushel		2.77

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

2020 Budget 47-Grain Sorghum, Southwest, Ecofallow, after Wheat, Two Crops in Three Years, 120 bushel Yield Dryland

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$2.27 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
2 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
3 Spray Fertilizer and Herbicide	1		0.95	0.21	0.29	0.16	0.90	2.71	5.22	
4 No-Till Drill	1		2.29	1.32	0.79	1.57	2.47	3.21	11.65	
5 Spray Herbicide	0.5		0.47	0.10	0.14	0.30	0.45	0.54	2.00	
6 Aerial Spray	Custom									
7 Combine Dryland SG	1		3.93	3.92	8.65	1.30	9.24	3.67	30.71	
8 Cart	120	bu	2.14	0.61	0.74	1.10	2.31	0.65	7.55	
9 Truck	Custom									
Total for Field Operations			11.68	6.58	11.19	5.63	17.17	12.94	65.19	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Glyphosate 5# w/Surfactant
2,4-D Ester LV4	Herbicide	1	100%	1 pint	2.00	2.00		
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60		
AAtrex 4L	Herbicide	2	100%	1 quart	4.50	4.50		
Gramoxone SL 2.0	Herbicide	2	100%	1.5 pint	3.38	5.06		
32-0-0	Fertilizer	3	100%	110 lbs N	0.40	44.00		
Lumax EZ	Herbicide	3	100%	2.7 quart	20.00	54.00		
10-34-0	Fertilizer	4	100%	6 gallon	2.45	14.70		
Sorghum Safened/Insect	Seed	4	100%	4 pound	3.50	14.00		
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	10.00	1.50		
* Mustang Maxx	Insecticide	6	15%	3 ounce	1.41	0.63		
Haul Grain Bushels	Custom	9	100%	120 bushel	0.11	13.20		
Scouting Grain Sorghum	Scouting		100%	1 acre	7.00	7.00		
Crop Insurance						24.00	24.00	
Total Materials & Services							194.28	

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

Total listed costs for Field Operations and Materials and Services		259.47
Interest on Operations Capital \$ 229.36 cash expense @ 5.50% for 6.0 mo.		6.31
Total Operating and Use Related Ownership Costs		265.78
Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00
** Real Estate Opportunity [^] Dryland (Southwest)	\$ 1,110 per acre @ 3.00%	33.29
** Real Estate Taxes	\$ 1,110 per acre @ 1.35%	14.98
Total Cost per Acre Including Overhead		334.05
Cash Cost per bushel	[^] Ownership and RE Opportunity not included in cash costs.	2.26
Cost of production per bushel		2.78

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

**2020 Budget 48-Grain Sorghum, No Till, Limited Irrigation, 170 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$2.27 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
2 Anhydrous Application	1		2.29	1.38	0.79	0.58	2.47	3.63	11.14	
3 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
4 Plant No-Till	1		3.00	0.88	0.95	3.26	2.96	4.53	15.58	
5 Spray Herbicide	0.5		0.47	0.10	0.14	0.30	0.45	0.54	2.00	
6 Aerial Spray	Custom									
7 Pivot D 125' Lift	6	ai	5.21	29.06	2.06	10.38	3.91	5.70	56.32	
8 Combine Irr SG	1		3.93	3.92	8.65	1.30	9.24	3.67	30.71	
9 Cart	170	bu	3.04	0.86	1.05	1.56	3.27	0.92	10.70	
10 Truck	Custom									
Total for Field Operations			19.84	36.62	14.22	18.58	24.10	21.15	134.51	

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	2.00	2.00	
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60	
82-0-0	Fertilizer	2	100%	150 lbs N	0.32	48.00	
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	2.45	14.70	
Sorghum Safened/Insect	Seed	4	100%	6 pound	3.50	21.00	
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	10.00	1.50	
* Mustang Maxx	Insecticide	6	15%	3 ounce	1.41	0.63	
Haul Grain Bushels	Custom	10	100%	170 bushel	0.11	18.70	
Scouting Grain Sorghum	Scouting		100%	1 acre	7.00	7.00	
	Crop Insurance				13.00	13.00	
Total Materials & Services						192.47	

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

Total listed costs for Field Operations and Materials and Services		326.98
Interest on Operations Capital \$ 281.73 cash expense @ 5.50% for 6.0 mo.		7.75
Total Operating and Use Related Ownership Costs		334.73
Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00
** Real Estate Opportunity [^] Pivot (Marginal Land)	\$ 2,925 per acre @ 3.00%	87.76
** Real Estate Taxes	\$ 2,925 per acre @ 1.35%	39.49
Total Cost per Acre Including Overhead		481.98
Cash Cost per bushel	[^] Ownership and RE Opportunity not included in cash costs.	2.05
Cost of production per bushel		2.84

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