

2021 Nebraska Crop Budgets

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The 2021 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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**2021 Budget 45-Grain Sorghum, Southwest, Conventional Tillage, 115 bushel Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	1.31	0.65	1.40	5.85	1.25	12.98	
2 Anhydrous Application	1		2.29	0.91	0.96	0.58	2.83	3.63	11.20	
3 Field Cultivation	1		1.83	0.94	0.77	1.47	2.26	1.67	8.94	
4 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
5 Plant	1		3.00	0.47	1.16	5.31	3.39	7.38	20.71	
6 Row Crop Cultivation	1		2.50	0.55	1.05	0.44	3.08	1.52	9.14	
7 Row Crop Cultivation	0.25		0.63	0.14	0.26	0.11	0.77	0.38	2.29	
8 Spray Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
9 Aerial Spray	Custom									
10 Combine Dryland SG	1		3.93	2.59	9.57	1.55	10.22	4.38	32.24	
11 Cart	115	bu	2.05	0.39	0.86	1.05	2.53	0.62	7.50	
12 Truck	Custom									
Total for Field Operations			20.17	7.51	15.81	12.81	32.47	22.45	111.22	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							82-0-0
10-34-0	Fertilizer	4	100%	6 gallon	2.00	12.00	
Lumax EZ	Herbicide	4	100%	2.7 quart	11.25	30.38	
AAtrex 4L	Herbicide	4	100%	0.5 quart	4.00	2.00	
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	0.31	0.16	
* Aerial Spray	Custom	9	15%	1 acre	10.00	1.50	
* Mustang Maxx	Insecticide	9	15%	3 ounce	1.48	0.67	
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						136.52	

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

Total listed costs for Field Operations and Materials and Services					247.74		
Interest on Operations Capital	\$ 192.82	cash expense @	5.50%	for 6.0 mo.	5.30		
Total Operating and Use Related Ownership Costs					253.04		
Overhead (accounting, liability insurance, vehicle cost, office expense)					25.00		
** Real Estate Opportunity [^]	Dryland (Southwest)	\$ 1,082	per acre @	3.00%	32.45		
** Real Estate Taxes		\$ 1,082	per acre @	1.25%	13.52		
Total Cost per Acre Including Overhead					324.01		
Cash Cost per bushel	[^] Ownership and RE Opportunity not included in cash costs.					2.06	
Cost of production per bushel					2.82		

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

**2021 Budget 46-Grain Sorghum, No Till, 135 bushel Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
2 Spray Fertilizer and Herbicide	1		0.95	0.14	0.35	0.16	1.03	2.71	5.34	
3 Plant No-Till	1		3.00	0.58	1.16	5.89	3.39	8.18	22.20	
4 Spray Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
5 Aerial Spray	Custom									
6 Combine Dryland SG	1		3.93	2.59	9.57	1.55	10.22	4.38	32.24	
7 Cart	135	bu	2.41	0.45	1.01	1.24	2.97	0.73	8.81	
8 Truck	Custom									
Total for Field Operations			11.71	3.97	12.62	9.74	19.15	17.62	74.81	

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	0.31	0.53		
32-0-0	Fertilizer	2	100%	120 lbs N	0.35	42.00		
Lumax EZ	Herbicide	2	100%	2.7 quart	11.25	30.38		
AAtrex 4L	Herbicide	2	100%	0.5 quart	4.00	2.00		
10-34-0	Fertilizer	3	100%	6 gallon	2.00	12.00		
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	0.31	0.16		
* Aerial Spray	Custom	5	15%	1 acre	10.00	1.50		
* Mustang Maxx	Insecticide	5	15%	3 ounce	1.48	0.67		
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							156.25	

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

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 194.29	cash expense @	5.50%	for 6.0 mo.	5.34
Total Operating and Use Related Ownership Costs				236.40

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

** Real Estate Opportunity [^]	Dryland (State)	\$ 2,216	per acre @	3.00%	66.47
** Real Estate Taxes		\$ 2,216	per acre @	1.25%	27.69

Total Cost per Acre Including Overhead 355.56

Cash Cost per bushel ^{^Ownership and RE Opportunity not included in cash costs.} 1.87
Cost of production per bushel 2.63

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

2021 Budget 47-Grain Sorghum, Southwest, Ecofollow, after Wheat, Two Crops in Three Years, 120 bushel Yield Dryland

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Post Harvest Burndown Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
2 Spray Fall Burndown Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
3 Spray Fertilizer and Herbicide	1		0.95	0.14	0.35	0.16	1.03	2.71	5.34	
4 No-Till Drill	1		2.29	0.87	0.96	1.81	2.83	3.68	12.44	
5 Spray Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
6 Aerial Spray		Custom								
7 Combine Dryland SG	1		3.93	2.59	9.57	1.55	10.22	4.38	32.24	
8 Cart	120	bu	2.14	0.40	0.90	1.10	2.64	0.65	7.83	
9 Truck		Custom								
Total for Field Operations			11.68	4.35	12.66	6.12	19.29	14.12	68.22	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Glyphosate 5# w/Surfactant	1	100%	32 ounce	0.09	3.00	
2,4-D Ester LV4	1	100%	1 pint	2.00	2.00	
21-0-0-24S	1	100%	1.7 pound	0.31	0.53	
AAtrex 4L	2	100%	1 quart	4.00	4.00	
Gramoxone SL 2.0	2	100%	1.5 pint	2.00	3.00	
32-0-0	3	100%	110 lbs N	0.35	38.50	
Lumax EZ	3	100%	2.7 quart	11.25	30.38	
10-34-0	4	100%	6 gallon	2.00	12.00	
Sorghum Safened/Insect	4	100%	4 pound	3.50	14.00	
Huskie	5	50%	11 ounce	0.94	5.16	
21-0-0-24S	5	50%	1 pound	0.31	0.16	
* Aerial Spray	6	15%	1 acre	10.00	1.50	
* Mustang Maxx	6	15%	3 ounce	1.48	0.67	
Haul Grain Bushels	9	100%	120 bushel	0.11	13.20	
Scouting Grain Sorghum		100%	1 acre	7.00	7.00	
Crop Insurance				24.00	24.00	
Total Materials & Services					159.10	

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

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 193.91

cash expense @ 5.50% for 6.0 mo.

227.32

5.33

Total Operating and Use Related Ownership Costs

232.65

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

25.00

** Real Estate Opportunity^

Dryland (Southwest) \$

1,082

per acre @

3.00%

32.45

** Real Estate Taxes

\$ 1,082

per acre @

1.25%

13.52

Total Cost per Acre Including Overhead

303.62

Cash Cost per bushel

^Ownership and RE Opportunity not included in cash costs.

1.98

Cost of production per bushel

2.53

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

**2021 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 @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
2 Anhydrous Application	1		2.29	0.91	0.96	0.58	2.83	3.63	11.20	
3 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
4 Plant No-Till	1		3.00	0.58	1.16	5.89	3.39	8.18	22.20	
5 Spray Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
6 Aerial Spray	Custom									
7 Pivot D 125' Lift	6	ai	5.21	19.21	2.06	10.38	3.91	5.70	46.47	
8 Combine Irr SG	1		3.93	2.59	9.57	1.55	10.22	4.38	32.24	
9 Cart	170	bu	3.04	0.57	1.28	1.56	3.74	0.92	11.11	
10 Truck	Custom									
Total for Field Operations			19.84	24.21	15.91	21.46	26.66	25.51	133.59	

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	0.31	0.53		
82-0-0	Fertilizer	2	100%	150 lbs N	0.27	40.50		
Lumax EZ	Herbicide	3	100%	2.7 quart	11.25	30.38		
AAtrex 4L	Herbicide	3	100%	0.5 quart	4.00	2.00		
10-34-0	Fertilizer	4	100%	6 gallon	2.00	12.00		
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	0.31	0.16		
* Aerial Spray	Custom	6	15%	1 acre	10.00	1.50		
* Mustang Maxx	Insecticide	6	15%	3 ounce	1.48	0.67		
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							157.60	

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

Total listed costs for Field Operations and Materials and Services 291.19

Interest on Operations Capital \$ 239.02 cash expense @ 5.50% for 6.0 mo. 6.57

Total Operating and Use Related Ownership Costs 297.76

Overhead (accounting, liability insurance, vehicle cost, office expense) 25.00

** Real Estate Opportunity[^] Pivot (Marginal Land) \$ 3,001 per acre @ 3.00% 90.04

** Real Estate Taxes \$ 3,001 per acre @ 1.25% 37.52

Total Cost per Acre Including Overhead 450.32

Cash Cost per bushel ^{^Ownership and RE Opportunity not included in cash costs.} 1.81

Cost of production per bushel 2.65

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