

2017 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>.

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**2017 Budget 65-Wheat, No-Till, Wheat after Row Crop, 50 bu Yield Goal (45 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 No-Till Drill	1		1.83	1.31	0.72	1.57	2.39	3.54	11.36	
2 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
3 Aerial Spray	Custom									
4 Aerial Spray	Custom									
5 Combine Small Grain	1		3.14	3.87	7.31	0.94	5.99	2.84	24.09	
6 Truck	Custom									
Total for Field Operations			5.97	5.45	8.38	3.15	9.53	7.26	39.74	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Wheat (Certified and Treated)	Seed	1	100%	90 pound	0.20	18.00	
28-0-0	Fertilizer	2	100%	75 lbs N	0.43	32.50	
Ally Extra SGW/TOTSOL	Herbicide	2	100%	0.3 ounce	9.00	2.70	
2,4-D Ester 4#	Herbicide	2	100%	0.5 pint	2.25	1.13	
NIS	Additive	2	100%	6 ounce	0.13	0.75	
* Aerial Spray	Custom	3	20%	1 acre	10.00	2.00	
* Tilt	Fungicide	3	20%	4 ounce	0.82	0.66	
** Aerial Spray	Custom	4	15%	1 acre	10.00	1.50	
** Lorsban Advanced	Insecticide	4	10%	1 pint	6.88	0.69	
** Warrior II/Zeon	Insecticide	4	5%	1.92 ounce	2.97	0.29	
Haul Grain Bushels	Custom	5	100%	45 bushel	0.11	4.95	
Scouting Dryland Wheat	Scouting		100%	1 acre	7.00	7.00	
	Crop Insurance				10.30	0.00	
Total Materials & Services						91.37	

*Fungicide for rust

**Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 114.32 cash expense @ 5.50% for 6.0 mo.

131.11

3.14

Total Operating and Use Related Ownership Costs

134.25

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

20.00

Real Estate Opportunity

Dryland (Southwest)

\$ 1,955

per acre @

4.00%

78.20

Real Estate Taxes

\$ 1,955

per acre @

1.00%

19.55

Total Cost per Acre Including Overhead

252.00

Cost per bu

5.60

Cash Cost per bu

3.04

**2017 Budget 66-Wheat, No-Till Fallow, One Crop in Two Years, 60 bu Yield Goal (55 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 (Prior Year Stubble)	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
2 Spray (Prior Year Stubble)	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
3 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
4 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
5 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
6 No-Till Drill	1		1.83	1.31	0.72	1.57	2.39	3.54	11.36	
7 Spread Fertilizer	1		1.57	0.79	0.68	0.00	2.26	0.00	5.30	
8 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
9 Aerial Spray	Custom									
10 Aerial Spray	Custom									
11 Combine Small Grain	1		3.14	3.87	7.31	0.94	5.99	2.84	24.09	
12 Truck	Custom									
Total for Field Operations			12.54	7.59	10.81	6.35	17.54	11.66	66.49	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
Glyphosate w/Surf	Herbicide	1	100%	32 ounce	0.10	3.13	
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60	
Glyphosate w/Surf	Herbicide	2	100%	32 ounce	0.10	3.13	
21-0-0-24S	Additive	2	100%	1.7 pound	0.35	0.60	
AAtrex 4L	Herbicide	2	100%	1 quart	5.00	5.00	
Glyphosate w/Surf	Herbicide	3	100%	32 ounce	0.10	3.13	
21-0-0-24S	Additive	3	100%	1.7 pound	0.35	0.60	
Glyphosate w/Surf	Herbicide	4	100%	32 ounce	0.10	3.13	
21-0-0-24S	Additive	4	100%	1.7 pound	0.35	0.60	
Glyphosate w/Surf	Herbicide	5	100%	32 ounce	0.10	3.13	
21-0-0-24S	Additive	5	100%	1.7 pound	0.35	0.60	
10-34-0	Fertilizer	6	100%	8 gallon	2.40	19.20	
Wheat (Certified and Treated)	Seed	6	100%	60 pound	0.20	12.00	
46-0-0	Fertilizer	7	100%	70 lbs N	0.38	26.60	
Ally Extra SGW/TOTSOL	Herbicide	8	100%	0.3 ounce	9.00	2.70	
2,4-D Ester 4#	Herbicide	8	100%	0.5 pint	2.25	1.13	
NIS	Additive	8	100%	6 ounce	0.13	0.75	
* Aerial Spray	Custom	9	20%	1 acre	10.00	2.00	
* Tilt	Fungicide	9	20%	4 ounce	0.82	0.66	
** Aerial Spray	Custom	10	15%	1 acre	10.00	1.50	
** Lorsban Advanced	Insecticide	10	10%	1 pint	6.88	0.69	
** Warrior II/Zeon	Insecticide	10	5%	1.92 ounce	2.97	0.29	
Haul Grain Bushels	Custom	12	100%	55 bushel	0.11	6.05	
Scouting Dryland Wheat	Scouting		100%	1 acre	7.00	7.00	
Crop Insurance					6.92	0.00	
Total Materials & Services						104.22	

*Fungicide for rust

**Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services

170.71

Interest on Operations Capital \$ 141.51 cash expense @ 5.50% for 6.0 mo.

3.89

Total Operating and Use Related Ownership Costs

174.60

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

20.00

Real Estate Opportunity Dryland (Panhandle) \$ 1,490 per acre @ 4.00%

119.20

Real Estate Taxes \$ 1,490 per acre @ 1.00%

29.80

Total Cost per Acre Including Overhead

343.60

Cost per bu

6.25

Cash Cost per bu

3.19

**2017 Budget 67-Wheat, Stubble Mulch Fallow, One Crop in Two Years, 55 bu Yield Goal (50 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 Fallow Master	1		1.76	1.78	0.26	0.96	3.77	1.64	10.17	
2 Fallow Master	1		1.76	1.78	0.26	0.96	3.77	1.64	10.17	
3 Fallow Master	1		1.76	1.78	0.26	0.96	3.77	1.64	10.17	
4 Rod Weeder	1		1.52	1.05	0.65	0.23	2.17	0.99	6.61	
5 Rod Weeder	1		1.52	1.05	0.65	0.23	2.17	0.99	6.61	
6 Drill	1		1.76	1.03	0.69	2.94	2.29	2.62	11.33	
7 Spray Fertilizer	1		1.00	0.27	0.35	0.19	1.15	2.21	5.17	
8 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
9 Aerial Spray	Custom									
10 Aerial Spray	Custom									
11 Combine Small Grain	1		3.14	3.87	7.31	0.94	5.99	2.84	24.09	
12 Truck	Custom									
Total for Field Operations			15.22	12.88	10.78	8.05	26.23	15.45	88.61	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Wheat (Certified and Treated)	Seed	6	100%	55 pound	0.20	11.00
28-0-0	Fertilizer	7	100%	65 lbs N	0.43	28.17
2,4-D Ester 4#	Herbicide	8	100%	0.5 pint	2.25	1.13
Ally Extra SGW/TOTSOL	Herbicide	8	100%	0.3 ounce	9.00	2.70
NIS	Additive	8	100%	6 ounce	0.13	0.75
* Aerial Spray	Custom	9	20%	1 acre	10.00	2.00
* Tilt	Fungicide	9	20%	4 ounce	0.82	0.66
** Aerial Spray	Custom	10	15%	1 acre	10.00	1.50
** Lorsban Advanced	Insecticide	10	10%	1 pint	6.88	0.69
** Warrior II/Zeon	Insecticide	10	5%	1.92 ounce	2.97	0.29
Haul Grain Bushels	Custom	12	100%	50 bushel	0.11	5.50
Scouting Dryland Wheat	Scouting		100%	1 acre	7.00	7.00
Crop Insurance					6.71	0.00
Total Materials & Services						80.59

*Fungicide for rust

**Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services 169.20

Interest on Operations Capital \$ 127.52 cash expense @ 5.50% for 6.0 mo. 3.51

Total Operating and Use Related Ownership Costs 172.71

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

Real Estate Opportunity Dryland (Panhandle) \$ 1,490 per acre @ 4.00% 119.20

Real Estate Taxes \$ 1,490 per acre @ 1.00% 29.80

Total Cost per Acre Including Overhead 341.71

Cost per bu 6.83

Cash Cost per bu 3.22

**2017 Budget 68-Wheat, Clean Till Fallow, One Crop in Two Years, 50 bu Yield Goal (45 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	0.30	1.27	4.32	1.23	11.11	
2 Field Cultivation	1		1.47	1.41	0.58	1.33	1.91	1.64	8.34	
3 Field Cultivation	1		1.47	1.41	0.58	1.33	1.91	1.64	8.34	
4 Field Cultivation	1		1.47	1.41	0.58	1.33	1.91	1.64	8.34	
5 Rod Weeder	1		1.52	1.05	0.65	0.23	2.17	0.99	6.61	
6 Rod Weeder & Fertilizer	1		1.82	1.05	0.65	0.23	2.17	0.99	6.91	
7 Drill	1		1.76	1.03	0.69	2.94	2.29	2.62	11.33	
8 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
9 Aerial Spray	Custom									
10 Aerial Spray	Custom									
11 Combine Small Grain	1		3.14	3.87	7.31	0.94	5.99	2.84	24.09	
12 Truck	Custom									
Total for Field Operations			15.67	13.47	11.69	10.24	23.82	14.47	89.36	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							32-0-0
10-34-0	Fertilizer	7	100%	8 gallon	2.40	19.20	
Wheat (Certified and Treated)	Seed	7	100%	50 pound	0.20	10.00	
2,4-D Ester 4#	Herbicide	8	100%	0.5 pint	2.25	1.13	
Ally Extra SGW/TOTSOL	Herbicide	8	100%	0.3 ounce	9.00	2.70	
NIS	Additive	8	100%	6 ounce	0.13	0.75	
* Aerial Spray	Custom	9	20%	1 acre	10.00	2.00	
* Tilt	Fungicide	9	20%	4 ounce	0.82	0.66	
** Aerial Spray	Custom	10	15%	1 acre	10.00	1.50	
** Lorsban Advanced	Insecticide	10	10%	1 pint	6.88	0.69	
** Warrior II/Zeon	Insecticide	10	5%	1.92 ounce	2.97	0.29	
Haul Grain Bushels	Custom	12	100%	45 bushel	0.11	4.95	
Scouting Dryland Wheat	Scouting		100%	1 acre	7.00	7.00	
	Crop Insurance				6.46	0.00	
Total Materials & Services						71.87	

*Fungicide for rust

**Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services						161.23	
Interest on Operations Capital \$ 122.94	cash expense @	5.50%	for 6.0 mo.			3.38	
Total Operating and Use Related Ownership Costs						164.61	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Dryland (Panhandle)	\$ 1,490	per acre @	4.00%		119.20	
Real Estate Taxes		\$ 1,490	per acre @	1.00%		29.80	
Total Cost per Acre Including Overhead						333.61	
Cost per bu						7.41	
Cash Cost per bu						3.47	

**2017 Budget 69-Wheat, No-Till Wheat before Corn, Two Crops in Three Years, 65 bu Yield Goal (60 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	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
2 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
3 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
4 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
5 No-Till Drill	1		1.83	1.31	0.72	1.57	2.39	3.54	11.36	
6 Spread Fertilizer	1		1.57	0.79	0.68	0.00	2.26	0.00	5.30	
7 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
8 Aerial Spray	Custom									
9 Aerial Spray	Custom									
10 Combine Small Grain	1		3.14	3.87	7.31	0.94	5.99	2.84	24.09	
11 Truck	Custom									
Total for Field Operations			11.54	7.32	10.46	5.71	16.39	10.78	62.20	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60
2,4-D Ester 4#	Herbicide	1	100%	1 pint	2.25	2.25
Glyphosate w/Surf	Herbicide	2	100%	32 ounce	0.10	3.13
21-0-0-24S	Additive	2	100%	1.7 pound	0.35	0.60
2,4-D Ester 4#	Herbicide	2	100%	1 pint	2.25	2.25
Glyphosate w/Surf	Herbicide	3	100%	32 ounce	0.10	3.13
21-0-0-24S	Additive	3	100%	1.7 pound	0.35	0.60
2,4-D Ester 4#	Herbicide	3	100%	1 pint	2.25	2.25
Glyphosate w/Surf	Herbicide	4	100%	32 ounce	0.10	3.13
21-0-0-24S	Additive	4	100%	1.7 pound	0.35	0.60
10-34-0	Fertilizer	5	100%	8 gallon	2.40	19.20
Wheat (Certified and Treated)	Seed	5	100%	60 pound	0.20	12.00
46-0-0	Fertilizer	6	100%	80 lbs N	0.38	30.40
Ally Extra SGW/TOTSOL	Herbicide	7	100%	0.3 ounce	9.00	2.70
NIS	Additive	7	100%	6 ounce	0.13	0.75
2,4-D Ester 4#	Herbicide	7	100%	0.5 pint	2.25	1.13
* Aerial Spray	Custom	8	20%	1 acre	10.00	2.00
* Tilt	Fungicide	8	20%	4 ounce	0.82	0.66
** Aerial Spray	Custom	9	15%	1 acre	10.00	1.50
** Lorsban Advanced	Insecticide	9	10%	1 pint	6.88	0.69
** Warrior II/Zeon	Insecticide	9	5%	1.92 ounce	2.97	0.29
Haul Grain Bushels	Custom	11	100%	60 bushel	0.11	6.60
Scouting Dryland Wheat	Scouting		100%	1 acre	7.00	7.00
Crop Insurance					7.12	0.00
Total Materials & Services						106.59

*Fungicide for rust

**Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 141.62 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) \$ 1,955 per acre @ 4.00%
 Real Estate Taxes \$ 1,955 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per bu

Cash Cost per bu

168.79
3.89
172.68
20.00
117.30
29.33
339.31
5.66
2.91

**2017 Budget 70-Wheat, No-Till after Beans, 100 bu Yield Goal (90 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 No-Till Drill	1		1.83	1.31	0.72	1.57	2.39	3.54	11.36	
2 Pivot D 125' Lift	6	ai	4.17	28.81	2.06	9.68	2.98	5.79	53.49	
3 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
4 Aerial Spray	Custom									
5 Aerial Spray	Custom									
6 Combine Small Grain	1		3.14	3.87	7.31	0.94	5.99	2.84	24.09	
7 Truck	Custom									
Total for Field Operations			10.14	34.26	10.44	12.83	12.51	13.05	93.23	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
10-34-0	Fertilizer	1	100%	8	gallon	2.40	19.20	
Wheat (Certified and Treated)	Seed	1	100%	120	pound	0.20	24.00	
28-0-0	Fertilizer	2	100%	120	lbs N	0.43	52.00	
2,4-D Ester 4#	Herbicide	3	100%	0.5	pint	2.25	1.13	
Ally Extra SGW/TOTSOL	Herbicide	3	100%	0.3	ounce	9.00	2.70	
NIS	Additive	3	100%	6	ounce	0.13	0.75	
* Aerial Spray	Custom	4	100%	1	acre	10.00	10.00	
* Tilt	Fungicide	4	100%	4	ounce	0.82	3.28	
** Aerial Spray	Custom	5	15%	1	acre	10.00	1.50	
** Lorsban Advanced	Insecticide	5	10%	1	pint	6.88	0.69	
** Warrior II/Zeon	Insecticide	5	5%	1.92	ounce	2.97	0.29	
Haul Grain Bushels	Custom	7	100%	90	bushel	0.11	9.90	
Scouting Irrigated Wheat	Scouting		100%	1	acre	4.50	4.50	
	Crop Insurance					10.78	0.00	
Total Materials & Services						129.94		

*Fungicide for rust

**Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services

223.17

Interest on Operations Capital \$ 197.61 cash expense @ 5.50% for 6.0 mo.

5.43

Total Operating and Use Related Ownership Costs

228.60

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

20.00

Real Estate Opportunity \$ 3,290 per acre @ 4.00%

131.60

Real Estate Taxes \$ 3,290 per acre @ 1.00%

32.90

Total Cost per Acre Including Overhead

413.10

Cost per bu

4.59

Cash Cost per bu

2.62

2017 Budget 71-Wheat, No-Till, in Rotation (85 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	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
2 No-Till Drill	1		1.83	1.31	0.72	1.57	2.39	3.54	11.36	
3 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
4 Pivot E 125' Lift w/fertigation	6	ai	5.56	16.72	1.76	10.38	3.18	6.21	43.81	
5 Aerial Spray	Custom									
6 Aerial Spray	Custom									
7 Combine Small Grain	1		3.14	3.87	7.31	0.94	5.99	2.84	24.09	
8 Truck	Custom									
Total for Field Operations			12.53	22.44	10.49	14.17	13.86	14.35	87.84	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
Glyphosate w/Surf	Herbicide	1	100%	32 ounce	0.10	3.13	
Valor XLT	Herbicide	1	100%	1.5 ounce	5.75	8.63	
Wheat (Certified and Treated)	Seed	2	100%	120 pound	0.20	24.00	
11-52-0	Fertilizer	2	100%	40 pound	0.24	9.60	
2,4-D Ester 4#	Herbicide	3	100%	0.5 pint	2.25	1.13	
Ally Extra SGW/TOTSOL	Herbicide	3	100%	0.3 ounce	9.00	2.70	
NIS	Additive	3	100%	6 ounce	0.13	0.75	
32-0-0 (Applied by Pivot)	Fertilizer	4	100%	115 lbs N	0.42	48.30	
Electricity Fixed	Other	4	100%	1 acre	30.00	30.00	
* Aerial Spray	Custom	5	100%	1 acre	10.00	10.00	
* Tilt	Fungicide	5	100%	4 ounce	0.82	3.28	
** Aerial Spray	Custom	6	15%	1 acre	10.00	1.50	
** Lorsban Advanced	Insecticide	6	10%	1 pint	6.88	0.69	
** Warrior II/Zeon	Insecticide	6	5%	1.92 ounce	2.97	0.29	
Scouting Irrigated Wheat	Scouting		100%	1 acre	4.50	4.50	
Haul Grain Bushels	Custom	8	100%	85 bushel	0.11	9.35	
	Crop Insurance				10.56	0.00	
Total Materials & Services						157.85	

*Fungicide for rust

**Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 217.48 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 (Panhandle) \$ 3,290 per acre @ 4.00%
 Real Estate Taxes \$ 3,290 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per Bu

Cash Cost per Bu

245.69	
5.98	
251.67	
20.00	
131.60	
32.90	
436.17	
5.13	
2.63	