

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>.

Additional Resource Persons

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**2016 Budget 65-Wheat, No-Till, Wheat after Row Crop, 50 bu Yield Goal (45 bu Actual Yield)
Dryland**

Field Operations	Times or Qty	Labor @ Unit	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate	
				Power	Imp.	Power	Imp.			
1 No-Till Drill	1	1.83	1.31	0.69	1.57	2.30	3.54	11.24		
2 Spray	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23		
3 Aerial Spray	Custom									
4 Aerial Spray	Custom									
5 Combine Small Grain	1	3.14	3.87	7.31	0.93	5.99	2.81	24.05		
6 Truck	Custom									
Total for Field Operations			5.97	5.45	8.33	3.14	9.40	7.23	39.52	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
10-34-0	Fertilizer	1	100%	8 gallon	2.80	22.40
Wheat (Certified and Treated)	Seed	1	100%	90 pound	0.31	27.90
28-0-0	Fertilizer	2	100%	75 lbs N	0.47	35.00
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	2.56	1.28
NIS	Additive	2	100%	6 ounce	0.17	1.03
* Aerial Spray	Custom	3	20%	1 acre	9.50	1.90
* Tilt	Fungicide	3	20%	4 ounce	0.82	0.66
** Aerial Spray	Custom	4	15%	1 acre	9.50	1.43
** 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
Wheat After Crop	Crop Insurance				10.30	10.30
Total Materials & Services					117.53	

*Fungicide for rust

**Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 140.42 cash expense @ 5.50% for 6.0 mo. 157.05

Total Operating and Use Related Ownership Costs 3.86

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

Real Estate Opportunity Dryland (Southwest) \$ 1,855 per acre @ 4.00% 74.20

Real Estate Taxes \$ 1,855 per acre @ 1.00% 18.55

Total Cost per Acre Including Overhead 273.66

Cost per bu 6.08

Cash Cost per bu 3.62

**2016 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	0.33	0.64	1.11	0.88	4.23	
2 Spray (Prior Year Stubble)	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 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
5 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
6 No-Till Drill	1		1.83	1.31	0.69	1.57	2.30	3.54	11.24	
7 Spread Fertilizer	1		1.57	0.79	0.66	0.00	2.18	0.00	5.20	
8 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
9 Aerial Spray		Custom								
10 Aerial Spray		Custom								
11 Combine Small Grain	1		3.14	3.87	7.31	0.93	5.99	2.81	24.05	
12 Truck		Custom								
Total for Field Operations			12.54	7.59	10.64	6.34	17.13	11.63	65.87	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
Glyphosate w/Surf		1	100%	32 ounce	0.13	4.00	
21-0-0-24S		1	100%	1.7 pound	0.35	0.60	
Glyphosate w/Surf		2	100%	32 ounce	0.13	4.00	
21-0-0-24S		2	100%	1.7 pound	0.35	0.60	
AAtrex 4L		2	100%	1 quart	5.25	5.25	
Glyphosate w/Surf		3	100%	32 ounce	0.13	4.00	
21-0-0-24S		3	100%	1.7 pound	0.35	0.60	
Glyphosate w/Surf		4	100%	32 ounce	0.13	4.00	
21-0-0-24S		4	100%	1.7 pound	0.35	0.60	
Glyphosate w/Surf		5	100%	32 ounce	0.13	4.00	
21-0-0-24S		5	100%	1.7 pound	0.35	0.60	
10-34-0		6	100%	8 gallon	2.80	22.40	
Wheat (Certified and Treated)		6	100%	60 pound	0.31	18.60	
46-0-0		7	100%	70 lbs N	0.48	33.60	
Ally Extra SGW/TOTSOL		8	100%	0.3 ounce	9.00	2.70	
2,4-D Ester 4#		8	100%	0.5 pint	2.56	1.28	
NIS		8	100%	6 ounce	0.17	1.03	
* Aerial Spray		9	20%	1 acre	9.50	1.90	
* Tilt		9	20%	4 ounce	0.82	0.66	
** Aerial Spray		10	15%	1 acre	9.50	1.43	
** Lorsban Advanced		10	10%	1 pint	6.88	0.69	
** Warrior II/Zeon		10	5%	1.92 ounce	2.97	0.29	
Haul Grain Bushels		12	100%	55 bushel	0.11	6.05	
Scouting Dryland Wheat			100%	1 acre	7.00	7.00	
Wheat Fallowed		Crop Insurance			6.92	6.92	
Total Materials & Services						132.80	

*Fungicide for rust

**Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services 198.67

Interest on Operations Capital \$ 169.91 cash expense @ 5.50% for 6.0 mo. 4.67

Total Operating and Use Related Ownership Costs 203.34

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

Real Estate Opportunity Dryland (Panhandle) \$ 1,460 per acre @ 4.00% 116.80
Real Estate Taxes \$ 1,460 per acre @ 1.00% 29.20

Total Cost per Acre Including Overhead 369.34

Cost per bu 6.72

Cash Cost per bu 3.71

**2016 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	0.25	0.92	3.62	1.57	9.90	
2 Fallow Master	1		1.76	1.78	0.25	0.92	3.62	1.57	9.90	
3 Fallow Master	1		1.76	1.78	0.25	0.92	3.62	1.57	9.90	
4 Rod Weeder	1		1.52	1.05	0.63	0.23	2.09	0.99	6.51	
5 Rod Weeder	1		1.52	1.05	0.63	0.23	2.09	0.99	6.51	
6 Drill	1		1.76	1.03	0.67	2.94	2.21	2.62	11.23	
7 Spray Fertilizer	1		1.00	0.27	0.33	0.19	1.11	2.21	5.11	
8 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
9 Aerial Spray		Custom								
10 Aerial Spray		Custom								
11 Combine Small Grain	1		3.14	3.87	7.31	0.93	5.99	2.81	24.05	
12 Truck		Custom								
Total for Field Operations			15.22	12.88	10.65	7.92	25.46	15.21	87.34	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate		
10-34-0		Fertilizer	6	100%	8 gallon	2.80	22.40	
Wheat (Certified and Treated)		Seed	6	100%	55 pound	0.31	17.05	
28-0-0		Fertilizer	7	100%	65 lbs N	0.47	30.33	
2,4-D Ester 4#		Herbicide	8	100%	0.5 pint	2.56	1.28	
Ally Extra SGW/TOTSOL		Herbicide	8	100%	0.3 ounce	9.00	2.70	
NIS		Additive	8	100%	6 ounce	0.17	1.03	
* Aerial Spray		Custom	9	20%	1 acre	9.50	1.90	
* Tilt		Fungicide	9	20%	4 ounce	0.82	0.66	
** Aerial Spray		Custom	10	15%	1 acre	9.50	1.43	
** 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	
Wheat Fallowed		Crop Insurance				6.71	6.71	
Total Materials & Services						98.97		

*Fungicide for rust

**Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 145.64 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 (Panhandle) \$ 1,460 per acre @ 4.00%
Real Estate Taxes \$ 1,460 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per bu

Cash Cost per bu

186.31	
4.01	
190.32	
20.00	
116.80	
29.20	
356.32	
7.13	
3.58	

**2016 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	Labor @ Unit \$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	Field Cultivation	1	1.47	1.41	0.56	1.28	1.84	1.57	8.13	
3	Field Cultivation	1	1.47	1.41	0.56	1.28	1.84	1.57	8.13	
4	Field Cultivation	1	1.47	1.41	0.56	1.28	1.84	1.57	8.13	
5	Rod Weeder	1	1.52	1.05	0.63	0.23	2.09	0.99	6.51	
6	Rod Weeder & Fertilizer	1	1.82	1.05	0.63	0.23	2.09	0.99	6.81	
7	Drill	1	1.76	1.03	0.67	2.94	2.21	2.62	11.23	
8	Spray	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23	
9	Aerial Spray	Custom								
10	Aerial Spray	Custom								
11	Combine Small Grain	1	3.14	3.87	7.31	0.93	5.99	2.81	24.05	
12	Truck	Custom								
Total for Field Operations			15.67	13.47	11.54	10.05	23.15	14.21	88.09	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
32-0-0	Fertilizer	6	100%	50 lbs N	0.47	23.50		
10-34-0	Fertilizer	7	100%	8 gallon	2.80	22.40		
Wheat (Certified and Treated)	Seed	7	100%	50 pound	0.31	15.50		
2,4-D Ester 4#	Herbicide	8	100%	0.5 pint	2.56	1.28		
Ally Extra SGW/TOTSOL	Herbicide	8	100%	0.3 ounce	9.00	2.70		
NIS	Additive	8	100%	6 ounce	0.17	1.03		
* Aerial Spray	Custom	9	20%	1 acre	9.50	1.90		
* Tilt	Fungicide	9	20%	4 ounce	0.82	0.66		
** Aerial Spray	Custom	10	15%	1 acre	9.50	1.43		
** 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		
Wheat Fallowed	Crop Insurance				6.46	6.46		
Total Materials & Services							89.79	

*Fungicide for rust

**Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 140.52 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 (Panhandle) \$ 1,460 per acre @ 4.00%

Real Estate Taxes \$ 1,460 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per bu

Cash Cost per bu

177.88

3.86

181.74

20.00

116.80

29.20

347.74

7.73

3.86

**2016 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	0.33	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 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
5 No-Till Drill	1		1.83	1.31	0.69	1.57	2.30	3.54	11.24	
6 Spread Fertilizer	1		1.57	0.79	0.66	0.00	2.18	0.00	5.20	
7 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
8 Aerial Spray	Custom									
9 Aerial Spray	Custom									
10 Combine Small Grain	1		3.14	3.87	7.31	0.93	5.99	2.81	24.05	
11 Truck	Custom									
Total for Field Operations			11.54	7.32	10.31	5.70	16.02	10.75	61.64	

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	
21-0-0-24S	Additive	1	100%	1.7	pound	0.35	0.60	
2,4-D Ester 4#	Herbicide	1	100%	1	pint	2.56	2.56	
Glyphosate w/Surf	Herbicide	2	100%	32	ounce	0.13	4.00	
21-0-0-24S	Additive	2	100%	1.7	pound	0.35	0.60	
2,4-D Ester 4#	Herbicide	2	100%	1	pint	2.56	2.56	
Glyphosate w/Surf	Herbicide	3	100%	32	ounce	0.13	4.00	
21-0-0-24S	Additive	3	100%	1.7	pound	0.35	0.60	
2,4-D Ester 4#	Herbicide	3	100%	1	pint	2.56	2.56	
Glyphosate w/Surf	Herbicide	4	100%	32	ounce	0.13	4.00	
21-0-0-24S	Additive	4	100%	1.7	pound	0.35	0.60	
10-34-0	Fertilizer	5	100%	8	gallon	2.80	22.40	
Wheat (Certified and Treated)	Seed	5	100%	60	pound	0.31	18.60	
46-0-0	Fertilizer	6	100%	80	lbs N	0.48	38.40	
Ally Extra SGW/TOTSOL	Herbicide	7	100%	0.3	ounce	9.00	2.70	
NIS	Additive	7	100%	6	ounce	0.17	1.03	
2,4-D Ester 4#	Herbicide	7	100%	0.5	pint	2.56	1.28	
* Aerial Spray	Custom	8	20%	1	acre	9.50	1.90	
* Tilt	Fungicide	8	20%	4	ounce	0.82	0.66	
** Aerial Spray	Custom	9	15%	1	acre	9.50	1.43	
** 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	
Wheat Followed	Crop Insurance					7.12	7.12	
Total Materials & Services							136.18	

*Fungicide for rust

**Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services

197.82

Interest on Operations Capital \$ 171.05 cash expense @ 5.50% for 6.0 mo.

4.70

Total Operating and Use Related Ownership Costs

202.52

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

20.00

Real Estate Opportunity Dryland (Southwest) \$ 1,855

per acre @ 4.00%

111.30

Real Estate Taxes \$ 1,855

per acre @ 1.00%

27.83

Total Cost per Acre Including Overhead

361.65

Cost per bu

6.03

Cash Cost per bu

3.39

2016 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	0.69	1.57	2.30	3.54	11.24	
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	0.33	0.64	1.11	0.88	4.23	
4 Aerial Spray		Custom								
5 Aerial Spray		Custom								
6 Combine Small Grain	1		3.14	3.87	7.31	0.93	5.99	2.81	24.05	
7 Truck		Custom								
Total for Field Operations			10.14	34.26	10.39	12.82	12.38	13.02	93.01	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
10-34-0		Fertilizer	1	100%	8 gallon	2.80	22.40	
Wheat (Certified and Treated)		Seed	1	100%	120 pound	0.31	37.20	
28-0-0		Fertilizer	2	100%	120 lbs N	0.47	56.00	
2,4-D Ester 4#		Herbicide	3	100%	0.5 pint	2.56	1.28	
Ally Extra SGW/TOTSOL		Herbicide	3	100%	0.3 ounce	9.00	2.70	
NIS		Additive	3	100%	6 ounce	0.17	1.03	
* Aerial Spray		Custom	4	100%	1 acre	9.50	9.50	
* Tilt		Fungicide	4	100%	4 ounce	0.82	3.28	
** Aerial Spray		Custom	5	15%	1 acre	9.50	1.43	
** 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	5.00	5.00	
Wheat Irrigated		Crop Insurance				10.78	10.78	
Total Materials & Services						161.48		

*Fungicide for rust

**Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 229.09 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) \$ 3,625 per acre @ 4.00%

Real Estate Taxes \$ 3,625 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per bu

Cash Cost per bu

2016 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	0.33	0.64	1.11	0.88	4.23	
2 No-Till Drill	1		1.83	1.31	0.69	1.57	2.30	3.54	11.24	
3 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
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	0.93	5.99	2.81	24.05	
8 Truck	Custom									
Total for Field Operations			12.53	22.44	10.42	14.16	13.69	14.32	87.56	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Glyphosate w/Surf
Valor XLT	Herbicide	1	100%	1.5 ounce	5.75	8.63		
Wheat (Certified and Treated)	Seed	2	100%	120 pound	0.31	37.20		
11-52-0	Fertilizer	2	100%	40 pound	0.28	11.20		
2,4-D Ester 4#	Herbicide	3	100%	0.5 pint	2.56	1.28		
Ally Extra SGW/TOTSOL	Herbicide	3	100%	0.3 ounce	9.00	2.70		
NIS	Additive	3	100%	6 ounce	0.17	1.03		
32-0-0 (Applied by Pivot)	Fertilizer	4	100%	115 lbs N	0.47	54.05		
Electricity Fixed	Other	4	100%	1 acre	30.00	30.00		
* Aerial Spray	Custom	5	100%	1 acre	9.50	9.50		
* Tilt	Fungicide	5	100%	4 ounce	0.82	3.28		
** Aerial Spray	Custom	6	15%	1 acre	9.50	1.43		
** 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	5.00	5.00		
Haul Grain Bushels	Custom	8	100%	85 bushel	0.11	9.35		
Wheat Irrigated	Crop Insurance				10.56	10.56		
Total Materials & Services							190.19	

*Fungicide for rust

**Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 249.74 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) \$ 3,625 per acre @ 4.00%

Real Estate Taxes \$ 3,625 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per Bu

Cash Cost per Bu

277.75

6.87

284.62

20.00

145.00

36.25

485.87

5.72

3.02