

Crop Budgets

Nebraska – 2010

Edited by

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This contains information on how the *2010 Nebraska Crop Production Budgets* (EC872) were prepared and tables of input costs used to develop them.

- Crop budgeting procedures
- Machinery operation and ownership costs
- Materials and services prices
- Crop budget production cost summary

Nebraska Crop Budgets, 2010 (EC872), as well as related publications, can be viewed online at <http://extension.unl.edu/publications>.

**2010 Budget 1. Alfalfa, Fall Establishment
Rainfed**

	Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1	Spread, Fertilizer	1	0.94	0.61	0.19	0.00	1.08	0.00	2.82	
2	Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	
3	Harrow	1	0.71	0.22	0.13	0.19	0.74	0.85	2.84	
4	Harrow	1	0.71	0.22	0.13	0.19	0.74	0.85	2.84	
5	Roll	1	1.33	1.21	0.28	0.00	1.52	0.00	4.34	
6	Drill	1	1.80	1.36	0.34	1.80	1.86	1.44	8.60	
7	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
8	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.02	
Total for Field Operations			\$7.60	\$5.50	\$1.37	\$3.79	\$9.65	\$4.77	\$32.68	
Materials and Services				Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
						Rate	Unit			
11-52-0		Fertilizer		1	100%	100	pounds	0.22	22.00	
Alfalfa w/Inoculant		Seed		6	100%	12	pounds	4.20	50.40	
Pursuit		Herbicide		7	100%	4	ounces	5.16	20.63	
Crop Oil Concentrate		Herbicide		7	100%	2	pints	1.13	2.26	
*Lorsban 4 E		Insecticide		8	50%	1	pint	5.25	2.63	
Total Materials & Services									\$97.92	
*Insecticide for potato leafhoppers.										
Total listed costs for Field Operations and Materials and Services									130.60	
Interest on Operations Capital \$116.18 cash expense @ 8.00% for 6 months									4.65	
Total Operating and Use-Related Ownership Costs									\$135.25	
Overhead (accounting, liability insurance, vehicle cost, office expense)									5.00	
Scouting		None							0.00	
Crop Insurance		None							0.00	
Real Estate Opportunity		Rainfed (State)		\$1,441 per acre @ 4.00%					57.64	
Real Estate Taxes		\$1,441 per acre @ 1.00%							14.41	
Total Cost per Acre Including Overhead									\$212.30	

2010 Budget 2. Alfalfa, Spring-seeded with Herbicides (2.5 ton)

Rainfed

	Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1	Spread, Fertilizer	1	0.94	0.61	0.19	0.00	1.08	0.00	2.82	
2	Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	
3	Field Cultivation	1	0.62	0.77	0.07	0.41	1.43	0.83	4.13	
4	Seeder/Packer	1	2.69	1.75	0.28	1.03	6.19	4.45	16.39	
5	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.02	
6	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
7	Swath/Cond Hay	2	2.98	2.48	4.28	0.00	3.11	0.00	12.85	
8	Turn Windrows	0.5	0.53	0.18	0.11	0.09	0.60	1.28	2.79	
9	Sm Sq Bale	2.5 ton	7.65	2.43	1.58	9.75	8.72	2.36	32.49	
10	Stack Sm Sq	2.5 ton	9.58	2.81	1.98	0.00	10.92	1.10	26.39	
Total for Field Operations			\$27.10	\$12.91	\$8.79	\$12.89	\$35.76	\$11.65	\$109.10	
	Materials and Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
	11-52-0	Fertilizer	1	100%	Rate	Unit				
	11-52-0	Fertilizer	1	100%	100	pounds	0.22	22.00		
	Seeder-Packer	Rental	4	100%	1	acre	10.00	10.00		
	Alfalfa w/Inoculant	Seed	4	100%	12	pounds	4.20	50.40		
	*Lorsban 4 E	Insecticide	5	50%	1	pint	5.25	2.63		
	Pursuit	Herbicide	6	100%	4	ounces	5.16	20.63		
	Crop Oil Concentrate	Herbicide	6	100%	2	pints	1.13	2.26		
	Twine Sm Sq	Other	9	100%	100	bales	0.14	14.00		
Total Materials & Services								\$121.92		
*Insecticide for potato leafhoppers and alfalfa weevils.										
Total listed costs for Field Operations and Materials and Services								\$231.02		
Interest on Operating Capital \$183.61 cash expense @ 8.00% for 6 months								\$7.34		
Total Operating and Use-Related Ownership Costs								\$ 238.36		
Overhead (accounting, liability insurance, vehicle cost, office expense)								5.00		
Scouting		None						0.00		
Crop Insurance		None						0.00		
Real Estate Opportunity		Rainfed (State)	\$1,441 per acre @ 4.00%					57.64		
Real Estate Taxes			\$1,441 per acre @ 1.00%					14.41		
Total Cost per Acre Including Overhead								\$315.41		
Cost per Ton								\$126.16		
Cash Cost per Ton								\$76.38		

**2010 Budget 3. Alfalfa, Spring-seeded with Herbicides (3.3 ton)
Pivot 800 GPM 35 PSI Year, 12 Acre-inches**

	Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1	Spread, Fertilizer	1	0.94	0.61	0.19	0.00	1.08	0.00	2.82	
2	Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	
3	Field Cultivation	1	0.62	0.77	0.07	0.41	1.43	0.83	4.13	
4	Seeder/Packer	1	2.69	1.75	0.28	1.03	6.19	4.45	16.39	
5	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.02	
6	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
7	PivotD 125' Lift	12 AI	5.00	44.53	3.92	13.83	10.79	8.27	86.34	
8	Swath/Cond Hay	2	2.98	2.48	4.28	0.00	3.11	0.00	12.85	
9	Turn Windrows	0.5	0.53	0.18	0.11	0.09	0.60	1.28	2.79	
10	Lg Sq Bale	3.3 ton	2.71	2.54	0.29	2.99	6.24	6.06	20.83	
11	Load Lg Sq	3.3 ton	4.84	2.82	0.51	0.00	11.14	0.60	19.91	
12	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.02	
Total for Field Operations			\$22.72	\$57.68	\$10.01	\$20.07	\$44.60	\$23.24	\$178.32	
	Materials and Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
					Rate	Unit				
	11-52-0	Fertilizer	1	100%	100	pounds	0.22	22.00		
	Seeder-Packer	Rental	4	100%	1	acre	10.00	10.00		
	Alfalfa w/Inoculant	Seed	4	100%	12	pounds	4.20	50.40		
	*Lorsban 4 E	Insecticide	5	50%	1	pint	5.25	2.63		
	Pursuit	Herbicide	6	100%	4	ounces	5.16	20.63		
	Crop Oil Concentrate	Herbicide	6	100%	2	pints	1.13	2.26		
	Twine Lg Sq	Other	10	100%	4.8	bales	0.45	2.16		
	Lorsban 4 E	Insecticide	12	100%	1	pint	5.25	5.25		
Total Materials & Services								\$115.33		
*Insecticide for potato leafhoppers.										
Total listed costs for Field Operations and Materials and Services									\$293.65	
Interest on Operating Capital \$225.81 cash expense @ 8.00% for 6 months									\$9.03	
Total Operating and Use-Related Ownership Costs									\$302.68	
Overhead (accounting, liability insurance, vehicle cost, office expense)									5.00	
Scouting	None								0.00	
Crop Insurance	None								0.00	
Real Estate Opportunity	Rainfed (State)	\$3,304 per acre @ 4.00%						\$132.16		
Real Estate Taxes		\$3,304 per acre @ 1.00%						\$33.04		
Total Cost per Acre Including Overhead									\$472.88	
Cost per Ton									\$143.30	
Cash Cost per Ton									\$71.16	

**2010 Budget 4. Alfalfa, Established with Oats (2.25 tons)
Canal Irrigated, 18 Acre-inches**

	Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1	Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	
2	Spread, Fertilizer	1	0.94	0.61	0.19	0.00	1.08	0.00	2.82	
3	Roll	1	1.33	1.21	0.28	0.00	1.52	0.00	4.34	
4	Drill	1	1.80	1.36	0.34	1.80	1.86	1.44	8.60	
5	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.02	
6	Corrugate	1	1.88	1.25	0.35	0.91	1.95	5.50	11.84	
7	Swath/Cond Hay	2	2.98	2.48	4.28	0.00	3.11	0.00	12.85	
8	Turn Windrows	0.5	0.53	0.18	0.11	0.09	0.60	1.28	2.79	
9	Lg Rd Bale	2.25 ton	2.28	0.99	0.43	2.25	2.36	2.64	10.95	
10	Move Lg Rd	2.25 ton	2.51	1.51	0.47	0.00	2.60	1.01	8.10	
11	Ditch Irrigation	18 AI	35.00						35.00	
Total for Field Operations			\$50.76	\$11.23	\$6.64	\$6.45	\$18.17	\$13.25	\$106.50	
	Materials and Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
	11-52-0	Fertilizer	2	100%	Rate	Unit				
	Alfalfa w/Inoculant	Seed	4	100%	100	pounds	0.22	22.00		
	Oats	Seed	4	100%	12	pounds	4.20	50.40		
	*Lorsban 4 E	Insecticide	5	50%	0.5	bushel	8.00	4.00		
	Twine Lg Rd	Other	9	100%	1	pint	5.25	2.63		
	Water Charge	Other	11	100%	4	bales	0.70	2.80		
	Total Materials & Services								\$116.83	
	*Insecticide for potato leafhoppers.									
Total listed costs for Field Operations and Materials and Services									\$223.33	
Interest on Operating Capital \$191.91 cash expense @ 8.00% for 6 months									\$7.68	
Total Operating and Use-Related Ownership Costs									\$231.01	
Overhead (accounting, liability insurance, vehicle cost, office expense)									5.00	
Scouting	None								0.00	
Crop Insurance	None								0.00	
Real Estate Opportunity	Gravity (Panhandle)	\$1,495 per acre @ 4.00%						\$59.80		
Real Estate Taxes	\$1,495 per acre @ 1.00%						\$14.95			
Total Cost per Acre Including Overhead									\$310.76	
Cost per Ton									\$138.12	
Cash Cost per Ton									\$3.41	

2010 Budget 5. Alfalfa, Large Round Bales (4.4 tons)

Rainfed

	Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1	Swath/Cond Hay	4	5.96	4.97	8.55	0.00	6.21	0.00	25.69	
2	Turn Windrows	1	1.05	0.37	0.22	0.17	1.20	2.57	5.58	
3	Double Windrows	3	3.20	1.02	0.60	0.19	3.31	8.63	16.95	
4	Lg Rd Bale	4.4 ton	4.36	1.90	0.82	4.31	4.52	5.04	20.95	
5	Move Lg Rd	4.4 ton	4.80	2.89	0.90	0.00	4.97	1.93	15.49	
6	Spray	0.25	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
Total for Field Operations			\$19.52	\$11.21	\$11.12	\$4.72	\$20.37	\$18.23	\$85.17	
	Materials and Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
					Rate	Unit				
	Twine Lg Rd	Other	4	100%	5.8	bales	0.70	4.06		
	*Mustang Max	Insecticide	6	25%	3	ounces	2.00	1.50		
Total Materials and Services								\$5.56		
*Insecticide for cutworms, grasshoppers, aphids, etc.										
Total listed costs for Field Operations and Materials and Services									\$90.73	
Interest on Operating Capital \$52.13 cash expense @ 8.00% for 6 months									\$2.09	
Total Operating and Use-Related Ownership Costs									\$92.82	
Overhead (accounting, liability insurance, vehicle cost, office expense)									5.00	
Scouting		None							0.00	
Crop Insurance		None							0.00	
Real Estate Opportunity		Pivot (State)	\$3,304 per acre @ 4.00%					\$132.16		
Real Estate Taxes			\$3,304 per acre @ 1.00%					\$33.04		
Total Cost per Acre Including Overhead									\$263.02	
Cost per Ton									\$59.78	
Cash Cost per Ton									\$12.32	

**2010 Budget 6. Alfalfa, Large and Small Bales (6.6 tons)
Pivot 800 GPM 35 PSI, 16 Acre-inches**

	Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1	Spread, Fertilizer	1	0.94	0.61	0.19	0.00	1.08	0.00	2.82	
2	Swath/Cond Hay	5	7.45	6.21	10.69	0.00	7.77	0.00	32.12	
3	Turn Windrows	1	1.05	0.37	0.22	0.17	1.20	2.57	5.58	
4	Double Windrows	4	4.26	1.36	0.80	0.26	4.41	11.51	22.60	
5	Lg Sq Bale	4.4 ton	3.61	3.39	0.38	3.99	8.31	8.09	27.77	
6	Load Lg Sq	4.4 ton	6.45	3.77	0.68	0.00	14.85	0.81	26.56	
7	Sm Sq Bale	2.2 ton	6.73	2.14	1.39	8.58	7.67	2.08	28.59	
8	Stack Sm Sq	2.2 ton	8.43	2.47	1.74	0.00	9.61	0.97	23.22	
9	PivotE 125' Lift	16 AI	6.67	33.25	6.25	18.44	4.20	11.03	79.84	
10	Spray	0.25	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
11	Spray	0.25	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
Total for Field Operations			\$45.89	\$53.69	\$22.40	\$31.54	\$59.42	\$37.18	\$250.12	
Materials and Services										
	Materials and Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
	11-52-0	Fertilizer	1	100%	Rate	Unit				
	Twine Lg Sq	Other	5	67%	75	pounds	0.22	16.50		
	Twine Sm Sq	Other	7	33%	9.8	bales	0.45	2.94		
	*Elec Connect Fees	Other	9	100%	265	bales	0.14	12.37		
	Pursuit	Herbicide	10	25%	1	acre	3.25	3.25		
	Crop Oil Concentrate	Herbicide	10	25%	4.5	ounces	5.16	5.80		
	**Mustang Max	Insecticide	11	25%	2	pints	1.13	0.57		
	Total Materials and Services				3	ounces	2.00	1.50		
									\$42.93	
	*Electrical connection fee 6 months @ \$60/mo., 133 acres									
	**Insecticide for cutworms, grasshoppers, aphids, etc.									
Total listed costs for Field Operations and Materials and Services									\$293.05	
Interest on Operating Capital \$196.45 cash expense @ 8.00% for 6 months									\$7.86	
Total Operating and Use-Related Ownership Costs									\$300.91	
Overhead (accounting, liability insurance, vehicle cost, office expense)									5.00	
Scouting		None							0.00	
Crop Insurance		None							0.00	
Real Estate Opportunity		Pivot (State)	\$3,304 per acre @ 4.00%						\$132.16	
Real Estate Taxes			\$3,304 per acre @ 1.00%						\$33.04	
Total Cost per Acre Including Overhead									\$471.11	
Cost per Ton									\$71.38	
Cash Cost per Ton									\$30.96	

**2010 Budget 7. Alfalfa, Large Square Bales (6.6 tons)
Canal Irrigated, 22 Acre-inches**

	Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1	Spread, Fertilizer	1	0.94	0.61	0.19	0.00	1.08	0.00	2.82	
2	Swath/Cond Hay	5	7.45	6.21	10.69	0.00	7.77	0.00	32.12	
3	Turn Windrows	1	1.05	0.37	0.22	0.17	1.20	2.57	5.58	
4	Double Windrows	4	4.26	1.36	0.80	0.26	4.41	11.51	22.60	
5	Lg Sq Bale	Custom								
6	Load Lg Sq	6.6 ton	9.68	5.65	1.03	0.00	22.27	1.21	39.84	
7	Corrugate	1	1.88	1.25	0.35	0.91	1.95	5.50	11.84	
8	Ditch Irrigation	22 AI	42.78						42.78	
9	Spray	0.25	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
10	Spray	0.25	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
Total for Field Operations			\$68.34	\$15.57	\$13.34	\$1.44	\$39.00	\$20.91	\$158.60	
	Materials and Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
					Rate	Unit				
	11-52-0	Fertilizer	1	100%	75	pounds	0.22	16.50		
	Bale Lg Sq 1200 lb	Custom	5	100%	9.8	bales	10.00	98.00		
	Water Charge	Other	8	100%	1	acre	35.00	35.00		
	Pursuit	Herbicide	9	25%	4.5	ounces	5.16	5.80		
	Crop Oil Concentrate	Herbicide	9	25%	2	pints	1.13	0.57		
	*Mustang Max	Insecticide	10	25%	3	ounces	2.00	1.50		
Total Materials and Services								\$157.37		
*Insecticide for cutworms, grasshoppers, aphids, etc.										
Total listed costs for Field Operations and Materials and Services									\$315.97	
Interest on Operating Capital \$256.06 cash expense @ 8.00% for 6 months									\$10.24	
Total Operating and Use-Related Ownership Costs									\$326.21	
Overhead (accounting, liability insurance, vehicle cost, office expense)									5.00	
Scouting		None							0.00	
Crop Insurance		None							0.00	
Real Estate Opportunity		Gravity (State)	\$3,109 per acre @ 4.00%						\$124.36	
Real Estate Taxes		\$3,109 per acre @ 1.00%						\$31.09		
Total Cost per Acre Including Overhead									\$486.66	
Cost per Ton									\$73.74	
Cash Cost per Ton									\$40.35	