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EC872
(Revised January 2012)

Crop Budgets
Nebraska – 2012

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This contains information on how the *2012 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, 2012 (EC872), as well as related publications, can be viewed online at *http://extension.unl.edu/publications*.

Table 5. Table for adjusting the amount of diesel fuel required for center pivots for lifts and pressures other than the 125 feet of lift and 35 psi used in the budgets. Gallons of diesel fuel required to pump an acre-inch of water at pump performance ratings of 100 percent*. (From *Estimating the Savings From Improving Pumping Plant Performance* by Derrel Martin).

Lift Feet	*Pressure at Pump, psi*							
	10	*20*	*30*	*35*	*40*	*50*	*60*	*80*
0	0.21	0.42	0.63	0.74	0.84	1.05	1.26	1.69
25	0.44	0.65	0.86	0.97	1.07	1.28	1.49	1.91
50	0.67	0.88	1.09	1.20	1.30	1.51	1.72	2.14
75	0.89	1.11	1.32	1.43	1.53	1.74	1.95	2.37
100	1.12	1.33	1.54	1.65	1.75	1.97	2.18	2.60
125	1.35	1.56	1.77	1.88	1.98	2.19	2.40	2.83
150	1.58	1.79	2.00	2.11	2.21	2.42	2.63	3.05
200	2.03	2.25	2.46	2.57	2.67	2.88	3.09	3.51
250	2.49	2.70	2.91	3.02	3.12	3.33	3.54	3.97
300	2.95	3.16	3.37	3.48	3.58	3.79	4.00	4.42
350	3.40	3.61	3.82	3.93	4.03	4.25	4.46	4.88
400	3.86	4.07	4.28	4.39	4.49	4.70	4.91	5.33

*Multiplier when pumping plant performance rating is less than 100 percent.

Rating %	100	90	80	70	60	50
Multiplier	1.00	1.11	1.25	1.43	1.67	2.00