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Agricultural Earnings Highly Variable Over Time and by Sub-State Region

Bruce Johnson University of Nebraska-Lincoln, bjohnson2@unl.edu

Gibson Nene University of Nebraska-Lincoln

Anneke Gustafson University of Nebraska-Lincoln

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CORNHUSKER ECONOMICS



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University of Nebraska-Lincoln Extension

Agricultural Earnings Highly Variable Over Time and by Sub-State Region

| | 8 | J | |
|--|-----------|--------------|---------|
| Market Report | Yr Ago | 4 Wks Ago | 9/8/06 |
| Livestock and Products, | | | |
| Weekly Average | | | |
| Nebraska Slaughter Steers, | | | |
| 35-65% Choice, Live Weight | \$82.36 | \$85.69 | \$90.79 |
| Nebraska Feeder Steers, | | | |
| Med. & Large Frame, 550-600 lb | 129.43 | * | 132.66 |
| Nebraska Feeder Steers, | 121.55 | 118.23 | 124.02 |
| Med. & Large Frame 750-800 lb Choice Boxed Beef. | 121.55 | 110.23 | 124.02 |
| 600-750 lb. Carcass | 134.89 | 146.70 | 148.06 |
| Western Corn Belt Base Hog Price | | | |
| Carcass, Negotiated | 64.25 | 69.81 | 69.33 |
| Feeder Pigs, National Direct | | | |
| 45 lbs, FOB | 49.94 | 49.98 | 52.66 |
| Pork Carcass Cutout, 185 lb. Carcass, | 70.00 | 72.20 | 74.04 |
| 51-52% Lean | 72.32 | 73.28 | 74.94 |
| Shorn, Midwest | 93.00 | 93.00 | 97.75 |
| National Carcass Lamb Cutout, | 00.00 | 00.00 | 00 |
| FOB | 245.18 | 223.85 | 235.31 |
| Crops, Daily Spot Prices | | | |
| Wheat, No. 1, H.W. | * | 4.00 | 4.28 |
| Imperial, bu | | 4.09 | 4.20 |
| Omaha, bu | 1.64 | 1.97 | 2.00 |
| Soybeans, No. 1, Yellow | | | |
| Omaha, bu | 5.54 | 4.98 | 4.89 |
| Grain Sorghum, No. 2, Yellow | | | |
| Columbus, cwt | 2.63 | 2.96 | 3.34 |
| Oats, No. 2, Heavy Minneapolis, MN , bu | 1.71 | 2.04 | 2.12 |
| Willineapons, Will, bu | 1.71 | 2.04 | 2.12 |
| <u>Hay</u> | | | |
| Alfalfa, Large Square Bales, | | | |
| Good to Premium, RFV 160-185 | 447.50 | 405.00 | 405.00 |
| Northeast Nebraska, ton | 117.50 | 135.00 | 135.00 |
| Alfalfa, Large Rounds, Good Platte Valley, ton | 37.50 | 87.50 | 87.50 |
| Grass Hay, Large Rounds, Good | 31.30 | 07.50 | 07.50 |
| Northeast Nebraska, ton | 52.50 | 82.50 | 82.50 |
| | | | |
| * No market | | | |
| * No market. | | | |

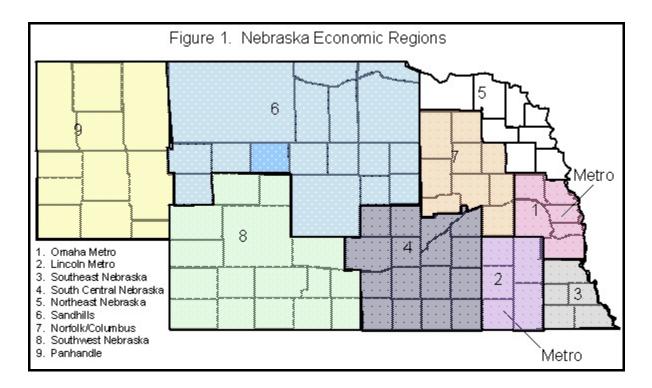
For anyone close to production agriculture it is obvious that income and earnings levels are highly fickle from one year to the next. This can be clearly seen in Nebraska's year-to-year total net farm income levels over the past decade, which have ranged from a low of \$813 million in 2002 to nearly \$3.4 billion in 1996 and again in 2004. But what about variation across the sub-state regions? And what economic impacts might these variations have for these regional economies?

Based on a recent study initiated and funded by the Nebraska Rural Initiative, we have, for the first time been able to regionalize the earnings associated with Nebraska's agricultural sector, and are able to better understand the impact that this sector has on these sub-state economies. We define net earnings as the summation of farm labor earnings, proprietor income and corporate farm income.

In Figure 1 on the next page, Nebraska's counties have been configured into nine sub-state regions that are essentially representative of labor market areas. Regions 1 and 2 are the state's two metropolitan regions and each represents a single labor market area. The other regions each contain from two to six labor market areas and represent the non-metropolitan areas of Nebraska. Each of these non-metropolitan regions includes one or more midsized municipalities.

Using these regions, we estimated the regional allocation of total net annual earnings for the year 2000, which represented one of the lowest years of net earnings for production agriculture at \$1.37 bi., and 2004, which was one of the sector's highest earning years at nearly \$3.37 bi. (Figure 2, next page). Clearly, from this pattern Regions 4, 5 and 8 are the state's major agricultural contributors in both low and high earning years. But even so, each region of the state, including the two metropolitan regions, contributes to the agricultural economy.





At the regional level the variation in contribution to the regional economy as well as the variation in that contribution from year-to-year can be seen by expressing these earnings in both an earnings per farm unit basis as well as a percentage of total regional personal income (Table 1). Earnings per farm unit range from lows of under \$20,000 in Regions 3 and 9 in 2000, to highs of more than \$98,000 for 2004 in Regions 5 and 8. In short, there are substantial differences in the economic conditions "down on the farm" depending on the vear and the area of the state. Moreover, when considered as a component of the respective regional economy the economic implications of differences are compounded even more. As one would expect, the metropolitan regions, with their more diverse economies tend to experience only minor direct economic shock from the regional agricultural sector. In contrast, other regional

economies will experience severe economic vibrations from the agricultural sector's earnings performance. For example, Region 6, the Sandhills, saw a shift in the agricultural sector's percentage contribution from less than 8 percent in 2000 to 23 percent in 2004. In other words, the agricultural sector accounted for more than 75 percent of the increase in this region's total personal income from 2000 to 2004. Although not as profound as

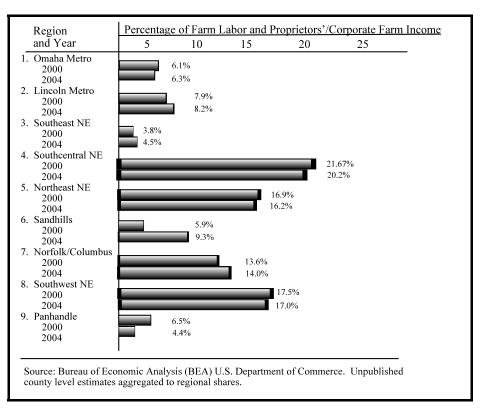


Figure 2. Estimated Percentage Distribution of Nebraska's Total Farm Labor and Farm Proprietors'/Corporate Farm Income for 2000 and 2004

this, other regions also demonstrate high dependency upon production agriculture's economic performance. And quite clearly, it is no over-statement that *agriculture is the number one industry* throughout much of Nebraska.

Table 1. Total Farm Labor Income, Proprietor Income and Corporate Farm Income by Sub-State Economic Regions in Nebraska, 2000 and 2004

| | | Farm Labor Inc | Farm Labor Income, Proprietor Income and Corporate Farm Income | | |
|---------------------------|------|-------------------------------------|--|---|--|
| Economic Region and Year | | Total Dollar Volume ^a | Average Income per Farm Unit ^b | Percentage of Total Regional Personal Income | |
| | | Million Dollars | Dollars | Percent | |
| 1. Omaha Metro | 2000 | 84.2 | 20,700 | 0.4 | |
| | 2004 | 211.6 | 52,600 | 0.8 | |
| 2. Lincoln Metro | 2000 | 109.1 | 22,100 | 1.2 | |
| | 2004 | 277.0 | 52,700 | 2.6 | |
| 3. Southeast Nebraska | 2000 | 53.0 | 17,500 | 5.6 | |
| | 2004 | 150.1 | 47,000 | 12.9 | |
| 4. South Central Nebraska | 2000 | 299.2 | 32,600 | 5.9 | |
| | 2004 | 680.0 | 82,000 | 11.1 | |
| 5. Northeast Nebraska | 2000 | 233.5 | 42,600 | 13.0 | |
| | 2004 | 545.1 | 98,600 | 25.1 | |
| 6. Sandhills | 2000 | 81.4 | 13,600 | 7.6 | |
| | 2004 | 312.6 | 59,000 | 23.0 | |
| 7. Norfolk/Columbus | 2000 | 188.2 | 29,100 | 6.8 | |
| | 2004 | 472.1 | 74,100 | 14.3 | |
| 8. Southwest Nebraska | 2000 | 241.0 | 37,900 | 8.9 | |
| | 2004 | 572.6 | 100,100 | 18.0 | |
| 9. Panhandle | 2000 | 89.7 | 18,400 | 4.4 | |
| | 2004 | 147.1 | 31,800 | 6.2 | |
| Nebraska | 2000 | 1,379.4 | 27,400 | 2.9 | |
| | 2004 | 3,368.1 | 69,700 | 6.0 | |

^a Source: Estimates derived from county-level estimates by Bureau of Economic Analysis, U.S. Department of Commerce.

Bruce Johnson, (402) 472-1794 Professor, Dept. of Agricultural Economics bjohnson2@unl.edu

> Gibson Nene, Graduate Student Anneke Gustafson, Graduate Student Dept. of Agricultural Economoics University of Nebraska–Lincoln

^b Derived by dividing total earnings from total farm unit numbers interpreted from 1997 and 2002 Census Reports.