

**Costs and Returns per acre from growing corn for grain, 2006  
Millard County - Delta**

|  | Quantity<br>per acre | Unit        | Price/cost<br>per unit | Value/cost<br>per acre | Base Value | Your Value |
|--|----------------------|-------------|------------------------|------------------------|------------|------------|
| <b>Receipts</b>  |                      |             |                        |                        |            |            |
| Corn grain   | 148.8                | bushels     | \$2.87                 | \$427.16               | \$427.16   |            |
| Residue  | -                    | AUM         | \$0.00                 | \$0.00                 | \$0.00     |            |
|  | <b>Subtotal</b>      |             |                        | \$427.16               | \$427.16   |            |
| <b>Operating costs</b>   |                      |             |                        |                        |            |            |
| Land preparation   |                      |             |                        |                        |            |            |
| Discing  | 2                    | acre        | \$3.73                 | \$7.47                 | \$7.47     |            |
| Land plane   | 1                    | acre        | \$3.34                 | \$3.34                 | \$3.34     |            |
| Planting   | 1                    | acre        | \$5.28                 | \$5.28                 | \$5.28     |            |
| Seed (Roundup Ready)   | 0.5                  | bags        | \$90.00                | \$45.00                | \$45.00    |            |
| Cultivation  |                      |             |                        |                        |            |            |
| first  | 1                    | acre        | \$2.94                 | \$2.94                 | \$2.94     |            |
| second   | 1                    | acre        | \$2.94                 | \$2.94                 | \$2.94     |            |
| Fertilization  |                      |             |                        |                        |            |            |
| Nitrogen (34-0-0)  | 550                  | pounds      | \$0.18                 | \$98.18                | \$98.18    |            |
| Phosphate (11-52-0)  | 100                  | pounds      | \$0.18                 | \$17.85                | \$17.85    |            |
| Custom application   | 1                    | acre        | \$7.82                 | \$7.82                 | \$7.82     |            |
| Pesticides/herbicides  |                      |             |                        |                        |            |            |
| Roundup Ultra Max  | 2.00                 | Quart       | \$6.32                 | \$12.65                | \$12.65    |            |
| Distinct   | -                    | ounces      | \$2.82                 | \$0.00                 | \$0.00     |            |
| Dual II Magnum   | -                    | pint        | \$15.10                | \$0.00                 | \$0.00     |            |
| Custom application   | 1                    | acre        | \$7.82                 | \$7.82                 | \$7.82     |            |
| Irrigation (flood)   | 6                    | irrigations |                        |                        |            |            |
| Labor  | 2.00                 | hours       | \$10.00                | \$20.00                | \$20.00    |            |
| Water assessment   | 1                    | share       | \$20.00                | \$20.00                | \$20.00    |            |
| Repairs/maintenance  | 1                    | acre        | \$2.30                 | \$2.30                 | \$2.30     |            |
| Pumping  | 36                   | acre inch   | \$0.00                 | \$0.00                 | \$0.00     |            |
| Harvesting   |                      |             |                        |                        |            |            |
| Custom combine   | 1                    | acre        | \$30.00                | \$30.00                | \$30.00    |            |
| Haul grain (custom)  | 148.8                | bushel      | \$0.06                 | \$8.93                 | \$8.93     |            |
| Crop insurance (75% Yield, 100% Price)                             | 1                    | acre        | \$8.81                 | \$8.81                 | \$8.81     |            |
| Interest on operating capital                                      |                      |             | 7.61%                  | \$5.99                 | \$5.99     |            |
|  | <b>Subtotal</b>      |             |                        | \$307.31               | \$307.31   |            |
| Ownership costs (excludes cost of land)                            |                      |             |                        | \$39.92                | \$39.92    |            |
| Farm insurance   | 1                    | acre        | \$2.00                 | \$2.00                 | \$2.00     |            |
| Machinery ownership costs  | 1                    | acre        | \$29.67                | \$29.67                | \$29.67    |            |
| Irrigation equipment costs   | 1                    | acre        | \$8.25                 | \$8.25                 | \$8.25     |            |
|  | <b>Total costs</b>   |             |                        | \$347.23               | \$347.23   |            |
| Net returns to owner for unpaid labor, management, equity and risk |                      |             |                        |                        |            |            |
| Above operating costs  |                      |             |                        | \$119.84               | \$119.84   |            |
| Above total listed costs   |                      |             |                        | \$79.93                | \$79.93    |            |

**Breakeven Table - Corn Grain**

Net returns per acre above operating costs

| Yield<br>(Bu/Ac) | Selling Price (\$/Bu) |         |          |          |          |
|------------------|-----------------------|---------|----------|----------|----------|
|                  | \$1.87                | \$2.37  | \$2.87   | \$3.37   | \$3.87   |
| 133.80           | -\$56.12              | \$10.78 | \$77.68  | \$144.58 | \$211.48 |
| 138.80           | -\$47.06              | \$22.34 | \$91.74  | \$161.14 | \$230.54 |
| 143.80           | -\$38.01              | \$33.89 | \$105.79 | \$177.69 | \$249.59 |
| 148.80           | -\$28.96              | \$45.44 | \$119.84 | \$194.24 | \$268.64 |
| 153.80           | -\$19.90              | \$57.00 | \$133.90 | \$210.80 | \$287.70 |
| 158.80           | -\$10.85              | \$68.55 | \$147.95 | \$227.35 | \$306.75 |
| 163.80           | -\$1.80               | \$80.10 | \$162.00 | \$243.90 | \$325.80 |

Assumptions

1. Corn planted in late April and harvested in October.
2. Interest computed on land preparation and planting costs for 6 months and cultivation, fertilization, herbicide, and irrigation costs for 3 months.
3. Machinery operating costs include: fuel, oil, repairs and labor.
4. Machinery ownership costs are allocated based on equipment used for each crop.
5. Machinery ownership costs include depreciation, interest, insurance, and housing.

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