

Costs and Returns per acre from growing oats, 2006
Iron County

| | Quantity per acre | Unit | Price/cost per unit | Value/cost per acre | Base Value | Your Value |
|--|----------------------|-------------|------------------------|------------------------|------------|------------|
| Receipts | | | | | | |
| Oats | 96.5 | bushels | \$2.13 | \$205.87 | \$205.87 | |
| Straw | 0.80 | tons | \$43.00 | \$34.40 | \$34.40 | |
| Subtotal | | | | \$240.27 | \$240.27 | |
| Operating costs | | | | | | |
| Land preparation | | | | | | |
| Plowing | 1 | acre | \$5.88 | \$5.88 | \$5.88 | |
| Discing | 1 | acre | \$3.73 | \$3.73 | \$3.73 | |
| Land plane | 2 | acre | \$3.34 | \$6.69 | \$6.69 | |
| Roller harrow | 2 | acre | \$3.64 | \$7.28 | \$7.28 | |
| Planting | 1 | acre | \$2.96 | \$2.96 | \$2.96 | |
| Seed | 70 | pounds | \$0.17 | \$11.90 | \$11.90 | |
| Fertilization | | | | | | |
| Nitrogen (34-0-0) | 221 | pounds | \$0.18 | \$39.45 | \$39.45 | |
| Phosphate | - | pounds | \$0.18 | \$0.00 | \$0.00 | |
| Custom application | 1 | acre | \$7.82 | \$7.82 | \$7.82 | |
| Pesticides/herbicides | | | | | | |
| 2-4-D | 1.25 | pint | \$2.75 | \$3.44 | \$3.44 | |
| Custom application | 1 | acre | \$7.82 | \$7.82 | \$7.82 | |
| Irrigation (wheel line) | 2 | irrigations | | | | |
| Labor | 0.67 | hours | \$10.00 | \$6.67 | \$6.67 | |
| Water assessment | 1 | share | \$10.00 | \$10.00 | \$10.00 | |
| Repairs/maintenance | 1 | acre | \$2.30 | \$2.30 | \$2.30 | |
| Pumping | 26 | acre inch | \$0.00 | \$0.00 | \$0.00 | |
| Harvesting | | | | | | |
| Combining | 1 | acre | \$26.00 | \$26.00 | \$26.00 | |
| Haul grain (custom) | 96.5 | bushel | \$0.06 | \$5.79 | \$5.79 | |
| Baling | 0.80 | tons | \$4.79 | \$3.83 | \$3.83 | |
| Haul/stack straw | 0.80 | tons | \$3.63 | \$2.90 | \$2.90 | |
| Interest on operating capital | | | 7.61% | \$3.91 | \$3.91 | |
| Subtotal | | | | \$158.38 | \$158.87 | |
| Ownership costs (excludes cost of land) | | | | \$76.50 | \$76.50 | |
| Farm insurance | 1 | acre | \$2.00 | \$2.00 | \$2.00 | |
| Machinery ownership costs | 1 | acre | \$66.25 | \$66.25 | \$66.25 | |
| Irrigation equipment costs | 1 | acre | \$8.25 | \$8.25 | \$8.25 | |
| Total costs | | | | \$234.88 | \$235.37 | |
| Net returns to owner for unpaid labor, management, equity and risk | | | | | | |
| Above operating costs | | | | \$81.89 | \$81.40 | |
| Above total listed costs | | | | \$5.39 | \$4.90 | |

Breakeven Table - Oats

Net returns per acre above operating costs

| Yield (Bu/Ac) | Selling Price (\$/Bu) | | | | |
|------------------|-----------------------|---------|----------------|----------|----------|
| | \$1.13 | \$1.63 | \$2.13 | \$2.63 | \$3.13 |
| 81.50 | -\$30.71 | \$10.04 | \$50.79 | \$91.54 | \$132.29 |
| 86.50 | -\$25.34 | \$17.91 | \$61.16 | \$104.41 | \$147.66 |
| 91.50 | -\$19.98 | \$25.77 | \$71.52 | \$117.27 | \$163.02 |
| 96.50 | -\$14.61 | \$33.64 | \$81.89 | \$130.14 | \$178.39 |
| 101.50 | -\$9.24 | \$41.51 | \$92.26 | \$143.01 | \$193.76 |
| 106.50 | -\$3.88 | \$49.37 | \$102.62 | \$155.87 | \$209.12 |
| 111.50 | \$1.49 | \$57.24 | \$112.99 | \$168.74 | \$224.49 |

Assumptions

1. Grain planted in March and harvested in July.
2. Interest computed on land preparation and planting costs for 10 months and fertilization/herbicide/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.