



**COLORADO LIVESTOCK ENTERPRISE BUDGET**

**ENTERPRISE:** Sheep-Range  
**REGION:** Colorado  
**YEAR:** 2014-2015  
**HERD SIZE:** 1500 Ewes

**1. GROSS REVENUES FROM PRODUCTION**

| Sale Item        | Unit | Mkt. Price | Mkt. Weight | No. Head | Value Per Head | Value Per Ewe | Total Value  | Your Value |
|------------------|------|------------|-------------|----------|----------------|---------------|--------------|------------|
| Lambs            | cwt. | \$160.00   | 100         | 1,395    | \$160.00       | \$148.80      | \$223,200.00 | _____      |
| Wool (Clean)     | lbs. | \$3.50     | 8.80        | 1,525    | \$30.80        | \$31.31       | \$46,970.00  | _____      |
| Cull Ewes (good) | cwt. | \$110.00   | 165         | 105      | \$181.50       | \$12.71       | \$19,057.50  | _____      |
| Cull Ewes (poor) | cwt. | \$60.00    | 150         | 75       | \$90.00        | \$10.80       | \$16,200.00  | _____      |
| Cull Rams        | cwt. | \$50.00    | 230         | 12       | \$115.00       | \$0.92        | \$1,380.00   | _____      |

**Total Gross Revenues From Production**

**\$204.54      \$306,807.50**

**2. DIRECT CASH OPERATING EXPENSES**

|  |         |             |       |
|--|---------|-------------|-------|
| <b>Animal Expense</b>                  | \$60.71 | \$91,065.00 | _____ |
| <b>Machine &amp; Equipment Expense</b> | \$9.17  | \$13,750.00 | _____ |
| <b>Labor Expense</b>                   | \$35.59 | \$53,382.00 | _____ |
| <b>Land Expense</b>                    | \$7.96  | \$11,938.00 | _____ |
| <b>Finance Expense</b>                 | \$18.63 | \$27,937.60 | _____ |

**Total Direct Cash Operating Expenses**

**\$132.05      \$198,072.60**

**3. NET CASH RECEIPTS FROM OPERATIONS**

**\$72.49      \$108,734.90**

**4. Non-Cash Operating Expense**

**\$12.20      \$18,300.00**

**5. Total Operating Expenses**

**\$144.25      \$216,372.60**

**6. NET RECEIPTS**

**\$60.29      \$90,434.90**

**7. BREAK-EVEN PRICES FOR LAMBS**

| Weaning Percent | Weaning Weight | Annual Ewe Costs |        |        |        |        |        |
|-----------------|----------------|------------------|--------|--------|--------|--------|--------|
|                 |                | 50               | 75     | 100    | 125    | 150    | 200    |
| 100%            | 80             | \$0.63           | \$0.94 | \$1.25 | \$1.56 | \$1.88 | \$2.50 |
|                 | 100            | 0.50             | 0.75   | 1.00   | 1.25   | 1.50   | 2.00   |
|                 | 120            | 0.42             | 0.63   | 0.83   | 1.04   | 1.25   | 1.67   |
| 110%            | 80             | 0.57             | 0.85   | 1.14   | 1.42   | 1.70   | 2.27   |
|                 | 100            | 0.45             | 0.68   | 0.91   | 1.14   | 1.36   | 1.82   |
|                 | 120            | 0.38             | 0.57   | 0.76   | 0.95   | 1.14   | 1.52   |
| 120%            | 80             | 0.52             | 0.78   | 1.04   | 1.30   | 1.56   | 2.08   |
|                 | 100            | 0.42             | 0.63   | 0.83   | 1.04   | 1.25   | 1.67   |
|                 | 120            | 0.35             | 0.52   | 0.69   | 0.87   | 1.04   | 1.39   |
| 130%            | 80             | 0.48             | 0.72   | 0.96   | 1.20   | 1.44   | 1.92   |
|                 | 100            | 0.38             | 0.58   | 0.77   | 0.96   | 1.15   | 1.54   |
|                 | 120            | 0.32             | 0.48   | 0.64   | 0.80   | 0.96   | 1.28   |
| 140%            | 80             | 0.45             | 0.67   | 0.89   | 1.12   | 1.34   | 1.79   |
|                 | 100            | 0.36             | 0.54   | 0.71   | 0.89   | 1.07   | 1.43   |
|                 | 120            | 0.30             | 0.45   | 0.60   | 0.74   | 0.89   | 1.19   |

Calculation: Annual Ewe Costs divided by Weaning Weight divided by Weaning Percent (as a decimal).

**8. BUDGET ASSUMPTIONS**

**Production Assumptions:**

|                       |      |
|-----------------------|------|
| Exposed Females       | 1500 |
| Ewe Replacement Rate  | 17%  |
| Good Ewes             | 7%   |
| Poor Ewes             | 5%   |
| Ewe Death Loss        | 5%   |
| Ewes per Ram          | 40   |
| Ram Replacement Rate  | 33%  |
| Weaned Lamb Crop      | 115% |
| Ave. Weaning Weights: |      |
| Lambs:                | 100  |

**Management Practices:**

|                                     |       |
|-------------------------------------|-------|
| Average Lambing Date                | 1-May |
| Average Lamb Marketing/Weaning Date | 9-Oct |
| Replacements Retained               |       |
| Ewe Lambs:                          | 330   |

**Animal Expense:**

Livestock Feed

| Description                | Unit | Quantity | Price<br>Per Unit | Per<br>Ewe | Total<br>Value | Your<br>Value |
|----------------------------|------|----------|-------------------|------------|----------------|---------------|
| Alfalfa Hay                | ton  | 205      | \$190.00          | \$25.97    | \$38,950.00    | _____         |
| Grass Hay                  | ton  | 0        | \$135.00          | \$0.00     | \$0.00         | _____         |
| Other Roughages            | ton  | 0        | \$0.00            | \$0.00     | \$0.00         | _____         |
| Grain/Concentrates         | cwt  | 1,350    | \$12.00           | \$10.80    | \$16,200.00    | _____         |
| Protein Supplements        | ton  | 0        | \$0.00            | \$0.00     | \$0.00         | _____         |
| Salt/Mineral               | ton  | 15       | \$75.00           | \$0.75     | \$1,125.00     | _____         |
| Other Livestock Feed       |      | 0        | \$0.00            | \$0.00     | \$0.00         | _____         |
| Subtotal of Livestock Feed |      |          |                   | \$37.52    | \$56,275.00    | _____         |

Livestock Medical and Breeding

| Description                                | Unit | Quantity | Price<br>Per Unit | Per<br>Ewe | Total<br>Value | Your<br>Value |
|--|------|----------|-------------------|------------|----------------|---------------|
| Lamb Vaccines                              | each | 1,875    | \$0.60            | \$0.75     | \$1,125.00     | _____         |
| Breeding Vaccines                          | each | 1,500    | \$1.80            | \$1.80     | \$2,700.00     | _____         |
| Other Vaccines                             |      |          |                   | \$0.00     | \$0.00         | _____         |
| Pregnancy Test                             | ewe  | 1,500    | \$0.00            | \$0.00     | \$0.00         | _____         |
| Ram Fertility Test                         | ram  | 37       | \$8.00            | \$0.20     | \$296.00       | _____         |
| Other Veterinary                           |      |          |                   | \$0.00     | \$0.00         | _____         |
| Misc Medicine                              | ewe  | 1,599    | \$3.50            | \$3.73     | \$5,596.50     | _____         |
| Medical Supplies                           | each | 850      | \$1.25            | \$0.71     | \$1,062.50     | _____         |
| Breeding Expense                           |      |          |                   | \$0.00     | \$0.00         | _____         |
| Other Medical                              |      |          |                   | \$0.00     | \$0.00         | _____         |
| Subtotal of Livestock Medical and Breeding |      |          |                   | \$7.19     | \$10,780.00    | _____         |

Livestock Supplies

| Description                    | Unit | Quantity | Price    | Per    | Total       | Your  |
|--------------------------------|------|----------|----------|--------|-------------|-------|
|                                |      |          | Per Unit | Ewe    | Value       | Value |
| Dog Food                       | dol  | 1,000    | \$1.00   | \$0.67 | \$1,000.00  | _____ |
| Camp Supplies                  | dol  | 6,400    | \$1.00   | \$4.27 | \$6,400.00  | _____ |
| Fencing Supplies               | dol  | 1,800    | \$1.00   | \$1.20 | \$1,800.00  | _____ |
| Tools                          | each | 300      | \$3.00   | \$0.60 | \$900.00    | _____ |
| Other Supplies                 | each | 0        | \$0.00   | \$0.00 | \$0.00      | _____ |
| Subtotal of Livestock Supplies |      |          |          | \$6.73 | \$10,100.00 | _____ |

Marketing

| Description           | Unit | Quantity | Price    | Per    | Total       | Your  |
|-----------------------|------|----------|----------|--------|-------------|-------|
|                       |      |          | Per Unit | Ewe    | Value       | Value |
| Freight and Trucking  | dol  | 2,800    | \$1.00   | \$1.87 | \$2,800.00  | _____ |
| Selling Comm/Yardage  | hd.  | 2,200    | \$3.70   | \$5.43 | \$8,140.00  | _____ |
| Brand Inspection      | hd.  | 0        | \$0.00   | \$0.00 | \$0.00      | _____ |
| Health Inspection     | hd.  | 2,200    | \$1.35   | \$1.98 | \$2,970.00  | _____ |
| Lodging/Meals Etc.    |      |          |          | \$0.00 | \$0.00      | _____ |
| Hedging Expense       |      |          |          | \$0.00 | \$0.00      | _____ |
| Other Marketing       |      |          |          | \$0.00 | \$0.00      | _____ |
| Subtotal of Marketing |      |          |          | \$9.27 | \$13,910.00 | _____ |

**Total Animal Expense \$60.71 \$91,065.00**

**Machinery and Equipment Expense:**

| Description                                  | Unit | Quantity | Price    | Per           | Total              | Your  |
|--|------|----------|----------|---------------|--------------------|-------|
|  |      |          | Per Unit | Ewe           | Value              | Value |
| Fuel and Lubrication                         | dol. | 7,500    | \$1.00   | \$5.00        | \$7,500.00         | _____ |
| Maint. and Repairs                           | dol. | 5,300    | \$1.00   | \$3.53        | \$5,300.00         | _____ |
| Equipment Leases                             | dol. | 0        | \$0.00   | \$0.00        | \$0.00             | _____ |
| Machine Hire                                 | dol. | 950      | \$1.00   | \$0.63        | \$950.00           | _____ |
| Other Mach.& Equip.                          |      |          |          | \$0.00        | \$0.00             | _____ |
| <b>Total Machinery and Equipment Expense</b> |      |          |          | <b>\$9.17</b> | <b>\$13,750.00</b> | _____ |

**Labor Expense:**

| Description                | Unit | Quantity | Price       | Per            | Total              | Your  |
|----------------------------|------|----------|-------------|----------------|--------------------|-------|
|                            |      |          | Per Unit    | Ewe            | Value              | Value |
| Wages                      | sal  | 2        | \$18,000.00 | \$24.00        | \$36,000.00        | _____ |
| FICA                       | pct. | 18,000   | \$0.10      | \$1.20         | \$1,800.00         | _____ |
| Contract Labor             | dol. | 4,500    | \$1.00      | \$3.00         | \$4,500.00         | _____ |
| Professional Fees          | dol. | 0        | \$0.00      | \$0.00         | \$0.00             | _____ |
| Workman's Comp             | dol. | 120      | \$17.35     | \$1.39         | \$2,082.00         | _____ |
| Food (Herders)             | dol. | 2        | \$4,500.00  | \$6.00         | \$9,000.00         | _____ |
| Other Labor                |      |          |             | \$0.00         | \$0.00             | _____ |
| <b>Total Labor Expense</b> |      |          |             | <b>\$35.59</b> | <b>\$53,382.00</b> | _____ |

**Land Expense:**

| Description                | Unit | Quantity | Price    | Per           | Total              | Your  |
|----------------------------|------|----------|----------|---------------|--------------------|-------|
|                            |      |          | Per Unit | Ewe           | Value              | Value |
| Fert. & Chem.              | acre | 0        | \$0.00   | \$0.00        | \$0.00             | _____ |
| Rents and Leases           | aum  | 2,200    | \$1.79   | \$2.63        | \$3,938.00         | _____ |
| M&R Land and Bldgs.        | dol. | 2,800    | \$1.00   | \$1.87        | \$2,800.00         | _____ |
| Insur. (Bld, Mach., Lvst.) | dol. | 5,200    | \$1.00   | \$3.47        | \$5,200.00         | _____ |
| Other Land                 |      |          |          | \$0.00        | \$0.00             | _____ |
| <b>Total Land Expense</b>  |      |          |          | <b>\$7.96</b> | <b>\$11,938.00</b> | _____ |

**Finance Expense:**

| Description                  | Unit | Quantity | Price    | Per            | Total              | Your  |
|------------------------------|------|----------|----------|----------------|--------------------|-------|
|                              |      |          | Per Unit | Ewe            | Value              | Value |
| Interest-Oper. Note          | dol. | 3,938    | \$1.00   | \$2.63         | \$3,937.60         | _____ |
| Interest-Non Real Est.       | dol. | 2,000    | \$1.00   | \$1.33         | \$2,000.00         | _____ |
| Interest-Real Est.           | dol. | 22,000   | \$1.00   | \$14.67        | \$22,000.00        | _____ |
| Other Finance                |      |          |          | \$0.00         | \$0.00             | _____ |
| <b>Total Finance Expense</b> |      |          |          | <b>\$18.63</b> | <b>\$27,937.60</b> | _____ |

**Non-Cash Operating Expense:**

| Description                             | Unit | Quantity | Price    | Per            | Total              | Your  |
|---|------|----------|----------|----------------|--------------------|-------|
|   |      |          | Per Unit | Ewe            | Value              | Value |
| Depr. Bldg. & Equip                     | dol. | 15,500   | \$1.00   | \$10.33        | \$15,500.00        | _____ |
| Depr. on Rams                           | dol. | 2,800    | \$1.00   | \$1.87         | \$2,800.00         | _____ |
| Other Depr.                             | dol. | 0        | \$0.00   | \$0.00         | \$0.00             | _____ |
| Other Non-Cash Expenses                 |      |          |          | \$0.00         | \$0.00             | _____ |
| <b>Total Non-Cash Operating Expense</b> |      |          |          | <b>\$12.20</b> | <b>\$18,300.00</b> | _____ |