

Alternative Beef Production Systems: Options for 1999

Cash-flow budget estimates

| | Beef cow Cow/calf | 400 to 625 lbs. | 625 to 900 lbs. | 900 to 1250 lbs. | 625 to 1250 lbs. | 500 to 750 lbs. | 750 to 1250 |
|-----------------|----------------------|--------------------|--------------------|---------------------|---------------------|--------------------|----------------|
| Receipts | | | | | | | |
| Steers | \$207.00 | \$550.00 | \$702.00 | \$862.50 | \$862.50 | \$600.00 | \$850. |
| Heifers | \$124.74 | 0 | 0 | 0 | 0 | 0 | |
| Cull cows | \$50.16 | 0 | 0 | 0 | 0 | 0 | |
| Cull bulls | \$9.90 | 0 | 0 | 0 | 0 | 0 | |
| Total receipts | \$391.80 | \$550 | \$702.00 | \$862.50 | \$862.50 | \$600.00 | \$850. |

Variable Expenses

Cattle purchases

| | | | | | | | |
|----------------------|------------|----------|----------|----------|----------|----------|--------|
| Steers | \$0 | \$368.00 | \$503.94 | \$623.16 | \$503.94 | \$450.00 | \$629. |
| Heifers | \$0 | 0 | 0 | 0 | 0 | 0 | |
| Cows | \$0 | 0 | 0 | 0 | 0 | 0 | |
| Bulls | \$1,500 | 0 | 0 | 0 | 0 | 0 | |
| Purchase costs | \$75.00 | \$5.00 | 0 | 0 | 0 | \$8.00 | |
| Total purchase costs | \$1,575.00 | \$373.00 | \$503.94 | \$623.16 | \$503.94 | \$458.00 | \$629. |

Feed costs

| | | | | | | | |
|-------------------------|----------|---------|---------|----------|----------|----------|--------|
| Milk replacer | \$0 | 0 | 0 | 0 | 0 | 0 | |
| Calf starter / creep | \$0 | 0 | 0 | 0 | 0 | 0 | |
| Hay / haylage | \$132.00 | \$63.00 | 0 | 0 | 0 | \$87.50 | |
| Corn silage | \$0 | 0 | 0 | \$10.26 | \$18.00 | 0 | \$14. |
| Corn stalks/straw | \$0 | 0 | 0 | 0 | 0 | 0 | |
| Crop aftermath | \$5.00 | 0 | 0 | 0 | 0 | 0 | |
| Pasture | \$90.00 | 0 | \$75.00 | 0 | 0 | 0 | |
| Grain – corn | \$5.50 | \$6.43 | \$8.04 | \$85.71 | \$128.57 | \$19.29 | \$107. |
| Grain – oats | \$0 | 0 | 0 | 0 | 0 | 0 | |
| Protein supplement | \$14.62 | \$13.50 | \$11.25 | \$17.10 | \$30.00 | \$13.50 | \$24. |
| Mineral / vitamin supp. | \$9.00 | 0 | 0 | 0 | 0 | 0 | |
| TM salt | \$6.00 | \$1.44 | \$2.16 | \$1.44 | \$18.00 | \$1.44 | \$2. |
| Milling & mixing | \$0 | \$1.35 | \$1.50 | 0 | 0 | \$3.15 | |
| Total feed costs | \$248.96 | \$85.72 | \$97.95 | \$114.51 | \$179.57 | \$124.88 | \$149. |

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|---|----------------------|--------------------|--------------------|---------------------|---------------------|--------------------|-------------------|
| Livestock Costs | | | | | | | |
| Death loss, calves, 4% | \$0.83 (2%) | \$7.84 | (0.25%)\$1.35 | (0.1%)\$0.63 | (0.25%)\$1.30 | (2%)\$9.54 | (0.1%)\$0. |
| Death loss, cows, 1% | \$0.21 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interest cost, cattle | \$0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interest cost, feed | \$0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bedding | \$2.00 | \$14.40 | 0 | \$9.20 | \$16.00 | \$14.40 | \$13. |
| Veterinary | \$5.15 | \$5.00 | \$3.00 | 0 | \$2.00 | \$5.00 | \$5.00 |
| Medicine / vaccines | \$15.60 | \$14.00 | \$14.00 | \$9.00 | \$14 | \$14.00 | \$8. |
| Supplies | \$3.09 | \$3.00 | \$2.00 | \$2.00 | \$3.00 | \$3.00 | \$2. |
| Power, fuel, utilities | \$12.98 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1. |
| Marketing costs | \$31.85 | \$50.00 | \$47.37 | \$40.00 | \$40.00 | \$48.25 | \$40. |
| Misc. | \$0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total livestock costs | \$71.70 | \$95.24 | \$68.72 | \$61.83 | \$77.30 | \$95.19 | \$64. |
| Fixed Costs | | | | | | | |
| Building costs | \$8.50 | \$12.33 | 0 | \$7.81 | \$13.70 | \$12.33 | \$11. |
| Equipment costs | \$15.00 | \$7.40 | \$6.16 | \$4.68 | \$8.22 | \$7.40 | \$6. |
| Livestock costs | \$7.04 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total fixed costs | \$30.54 | \$19.73 | \$6.16 | \$12.49 | \$21.92 | \$19.73 | \$18. |
| Return on Resources | | | | | | | |
| Receipts | \$391.80 | \$550.00 | \$702.00 | \$862.50 | \$862.50 | \$600.00 | \$850. |
| Variable costs | \$336.42 | \$553.96 | \$670.56 | \$799.51 | \$760.81 | \$678.07 | \$843. |
| Returns to Labor, Mgt., Capital | \$55.38 | (-\$3.96) | \$31.44 | \$62.99 | \$101.69 | (-\$78.07) | \$6. |
| Fixed costs | \$30.54 | \$19.73 | \$6.16 | \$12.49 | \$21.92 | \$19.73 | \$18. |
| Returns to Labor & Mgt. | \$24.85 | (-\$23.69) | \$25.28 | \$50.50 | \$79.77 | (-\$97.79) | (-\$111.9) |
| Breakeven cost / cwt. | \$73.99 | \$88.63 | \$74.51 | \$63.96 | \$60.86 | \$90.41 | \$67. |
| Retention Value for Feed or grass / cwt. | \$65.46 | \$80.63 | \$69.24 | -- | -- | \$83.98 | |