

Goat Retained Ownership Worksheet

This worksheet allows goat producers to predict marginal revenue from the prediction matrix and subtract cost of gain to estimate profit or loss from retained ownership beyond traditional marketing at weaning.

| | Monthly Weight Gain (lb) | | | | | | | | | |
|------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 30 -> 40 | 35 -> 45 | 40 -> 50 | 45 -> 55 | 50 -> 60 | 55 -> 65 | 60 -> 70 | 65 -> 75 | 70 -> 80 | 75 -> 85 |
| Jan -> Feb | \$24.38 | \$23.10 | \$21.98 | \$25.23 | \$24.43 | \$21.03 | \$12.38 | \$12.85 | \$8.17 | \$16.05 |
| Feb -> Mar | \$22.56 | \$21.74 | \$21.70 | \$21.92 | \$21.23 | \$9.90 | \$11.15 | \$10.11 | \$8.86 | \$11.48 |
| Mar -> Apr | \$23.39 | \$26.31 | \$29.71 | \$29.76 | \$26.11 | \$19.88 | \$12.92 | \$13.76 | \$4.65 | \$6.13 |
| Apr -> May | \$28.06 | \$28.54 | \$29.55 | \$25.31 | \$17.24 | \$11.76 | \$2.02 | -\$1.70 | -\$1.75 | \$11.11 |
| May -> Jun | \$21.88 | \$20.62 | \$20.16 | \$16.83 | \$10.01 | \$3.50 | -\$0.82 | -\$5.25 | \$0.19 | \$1.41 |
| Jun -> Jul | \$19.24 | \$19.97 | \$20.53 | \$19.11 | \$13.65 | \$10.31 | \$6.13 | \$3.73 | \$4.26 | \$2.42 |
| Jul -> Aug | \$23.46 | \$23.27 | \$21.90 | \$19.60 | \$15.03 | \$9.10 | \$4.15 | \$4.12 | \$4.83 | \$5.84 |
| Aug -> Sep | \$22.13 | \$21.35 | \$21.77 | \$20.51 | \$16.36 | \$13.29 | \$12.12 | \$11.97 | \$15.56 | \$10.85 |
| Sep -> Oct | \$23.95 | \$23.57 | \$23.11 | \$24.22 | \$20.91 | \$18.44 | \$15.73 | \$16.13 | \$15.92 | \$20.20 |
| Oct -> Nov | \$29.63 | \$29.55 | \$29.09 | \$28.51 | \$28.85 | \$22.72 | \$19.25 | \$19.87 | \$23.93 | \$24.29 |
| Nov -> Dec | \$31.43 | \$26.51 | \$26.08 | \$23.92 | \$23.74 | \$18.84 | \$13.31 | \$12.60 | \$12.13 | \$11.21 |
| Dec -> Jan | \$26.54 | \$20.98 | \$19.57 | \$18.64 | \$16.67 | \$14.11 | \$5.74 | \$4.76 | \$1.78 | \$4.48 |

| | Marginal Revenue | | Monthly Cost of Gain | | Profit or Loss |
|---------------------------------|------------------|---|----------------------|---|----------------|
| Ex. April to May - 40 to 50 lb. | \$29.55 | - | \$5.00 | = | \$24.55 |
| 1. | | - | | = | |
| 2. | | - | | = | |
| 3. | | - | | = | |
| 4. | | - | | = | |
| 5. | | | | | |
| Total | | | | | |

The data in this table is based on 84,238 transactions (lots) in which 781,746 kids were marketed through Producers Livestock Auction Co. in San Angelo, TX between 2010 and 2020. This worksheet is intended to estimate the combined impact of seasonal price movements through the year and changes in the unit live price of kids as they gain weight.

This retained ownership worksheet is not intended to forecast future prices, but rather estimates the anticipated marginal revenue per head that a producer can expect from keeping and feeding a kid for another month or more. It is assumed that kids will gain 10 pounds per month. Producers will also need to estimate their monthly cost of gain on the kidss (total costs incurred divided by the weight gained during the month).

An interactive version of this worksheet is available to iPhone users as a mobile device app:

<https://apps.apple.com/app/id1467220182>

