

INTRODUCTION
The University of Nebraska - Lincoln meat goat budget tool was developed to help producers determine the value of goat production. This tool is NOT intended to represent any one operation but rather market prices and average costs estimates. Each individual operation should adjust key inputs and local market prices to reflect their own situation.

## FOR MORE INFORMATION:

Developed by:
Daniel Gertner, Graduate Student, Department of Agricultural Economics, University of Nebraska - Lincoln Elliott Dennis, PhD, Department of Agricultural Economics, University of Nebraska - Lincoln Randy Saner, Lincoln-Logan-McPherson County Extension, University of Nebraska-Lincoln Glennis McClure, Department of Agricultural Economics, University of Nebraska-Lincoln

## ACKNOWLEDGEMENTS:

The authors would like to thank the Nebraska Sheep and Goat Producers
Association members and the Nebraska Meat Goat Producers for
assistance in developing this budget information.

## Budget Instructions

(1) The "Summary Budget" tab includes total income, total costs, and net revenue, plus breakeven calculations.
(2) DO NOT input numbers directly in the "Summary Budget" tab.
(3) Instead, input numbers directly into "Production Parameters", "Revenue", "Expenses - Variable", "Expenses - Fixed", "Non-Farm Adjustments", and "Taxes" tabs.
(4) Only input numbers and data into the yellow cells. Other numbers will automatically calculate and fill.

Introduction
The University of Nebraska-Lincoln Department of Agricultural Economics Extension and Outreach program has developed sheep and goat budget templates for use by producers in Nebraska. The budget templates contain an interface in which producers can customize production parameters to their specific operations. Enterprise budgets can serve as a useful guide for producers as they make management decisions.

How to Use
Both the sheep and goat production budgets are organized identically and are designed to operate in the same way. The budgets include:

1) Instructions - Provides instructions for how to navigate the spreadsheet.
2) Summary Budget - Includes total income, variable cost, fixed cost, and breakeven calculations.
3) Production Parameters - Contains customizable general flock, feed, and asset value information.
4) Revenue - Contains a breakdown of the revenue components of sheep/goat production.
5) Expenses -Variable - Includes a breakdown of production expenses that vary from year-to-year.
6) Expenses - Fixed - Includes a breakdown of fixed and overhead expenses.
7) Taxes - Contains common taxes paid by sheep/goat producers.
8) Non-Farm Adjustments - Contains sources of other on and off-farm income that producers may include in their sheep or goat budgets.

To use, please follow the following guidelines:
The "Summary Budget" tab summarizes totals from the various budget worksheets or tabs.
Worksheet users should input numbers directly into the yellow highlighted cells in the "Production Parameters", "Revenue", "Expenses -
Variable", "Expenses - Fixed", "Non-Farm Adjustments", and "Taxes" tabs.

## Methods

The market prices, average cost estimates, and production parameters outlined in the budget are obtained through input from producers. First, sample production budgets from Nebraska sheep and goat producers were reviewed.
Second, a sample production budgets were built using data provided by the producers.
Third, the budget template and figures were presented at the annual Nebraska sheep and goat producer meetings.
Fourth, adjustments were made to the budgets according to producers' comments. Fifth, final production budgets were assembled.

## Assumptions

Several assumptions were made in an effort to create a sheep budget representative of average operations. A few of the key assumptions are:

## Goat Budget

- Herd Size: 70 does
- Kids Born: 105 head/year
- Kids Weaned: 93 head/year
- Kid Weaning Weight: 45 pounds
- Kids Sold at Weaning: 25 head/year
- Total Kids Finished: 66 head/year

Conclusion
The University of Nebraska-Lincoln sheep and goat budget templates were developed to help producers project the value of sheep production and net revenue. This tool is not intended to represent any one operation, but rather to reflect production rates, market prices, and average cost estimates. Each individual operation should adjust key inputs and local market prices to reflect their own situation.



| General Feed Information | Price per Unit |  | Purchased Unit | Fed <br> Unit | Fed Unit per <br> Purchased Unit | As Fed Price |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |
| Prairie Hay | \$ | 100.00 | ton | pounds | 2000 | \$ | 0.05 |
| Alfalfa Hay | \$ | 150.00 | ton | pounds | 2000 | \$ | 0.08 |
| Salt \& Mineral | \$ | 0.63 | pound | pounds | 1 |  | 0.63 |
| Pasture | \$ | 43.00 | AUM | AUM | $\square 1$ | \$ | 43.00 |
| Corn | \$ | 5.50 | bu | pounds | 56 | \$ | 0.10 |
| Creep Feed for baby kids | \$ | 0.22 | day | day | 1 | \$ | 0.22 |
| $37 \%$ protein finishing supplement | \$ | 10.00 | bag | pounds | 50 | \$ | 0.20 |



| Buildings / Barn | Current Value Future/Salvage Value Depreciable Life |  |  |
| :---: | :---: | :---: | :---: |
|  |  | \$ | 30,000.00 |
|  |  | \$ | 10,000.00 |
|  |  | 25 years |  |
| Fencing Posts |  |  |  |
|  | Cost per post | \$ | 6.00 post |
|  | Depreciable Life |  | 10 years |
|  | Total Fence Posts Total Post Cost | \$ | $\begin{aligned} & 1298 \text { posts } \\ & 7,786.87 \end{aligned}$ |
| Fencing Panels |  |  |  |
|  | Panel Length |  | 6 feet |
|  | Cost per panel | \$ | 25.00 panel |
|  | Depreciable Life |  | 10 years |
|  | Total Fence Panels Total Panel Cost | \$ | $\begin{aligned} & 1297 \text { panels } \\ & 32,420.29 \end{aligned}$ |
| Machinery \& Equipment Used for Enterprise |  |  |  |
|  | Current Value Future/Salvage Value Depreciable Life | \$ | 30,000.00 |
|  |  | \$ | 15,000.00 |
|  |  |  | 10 years |


| Gross Revenue |  |  |  | \$ | 25,964.78 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Revenue |  |  |  |  |  |
|  | Quantity Units | Price | Per Unit |  | Total Revenue |
| Buck-Related Sales |  |  |  |  |  |
| Cull Buck Sales | 1.3 cwt | \$ 160 | cwt | \$ | 213.33 |
| Doe-Related Sales |  |  |  |  |  |
| Cull Doe Sales | 5.0 cwt | \$ 160 | cwt | \$ | 800.00 |
| Finishing-Related Sales |  |  |  |  |  |
| Weaned Kid Sales | 11.25 cwt | \$ 445 | cwt | \$ | 5,006.25 |
| Finished Kid Sales |  |  |  |  |  |
| Live Weight | 39.6 cwt | \$ 412 | cwt | \$ | 16,315.20 |
| Carcass Weight | 6.6 cwt | \$ 550 | cwt | \$ | 3,630.00 |
| Other Finishing Sales | units |  | unit |  |  |
| Other Finishing Sales | units |  | unit |  |  |
| Other Revenue |  |  |  |  |  |
| Other Revenue | units |  | unit | \$ | - |
| Other Revenue | units |  | unit | \$ | - |
| Other Revenue | units |  | unit | \$ | - |
| Gross Revenue |  |  |  | \$ | 25,964.78 |



| Feed Expenses | $\begin{gathered} \hline \text { Quantity per } \\ \text { Animal per } \\ \text { Year } \end{gathered}$ | Units | Price | Per Unit | Annual Variable Costs |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Buck Feed |  |  |  |  |  |  |
| Prairie Hay | 1200 | pounds | \$ 0.05 | pounds | \$ | 120.00 |
| Alfalfa Hay | 0 | pounds | \$ 0.08 | pounds |  |  |
| Salt \& Mineral | 0 | pounds | \$ 0.63 | pounds |  |  |
| Pasture | 1 | AUM | \$ 43.00 | AUM | \$ | 86.00 |
| Corn | 392 | pounds | \$ 0.10 | pounds | S | 77.00 |
| Other |  | units |  | pounds |  |  |
| Doe Feed |  |  |  |  |  |  |
| Prairie Hay | 240 | pounds | \$ 0.05 | pounds | \$ | 840.00 |
| Alfalfa Hay | 240 | pounds | \$ 0.08 | pounds | S | 1,260.00 |
| Salt \& Mineral | 9.6 | pounds | \$ 0.08 | pounds | \$ | 50.40 |
| Pasture | 0.85 | AUM | \$ 43.00 | AUM | S | 2,558.50 |
| Corn | 370 | pounds | \$ 0.10 | pounds | \$ | 2,543.75 |
| Other |  | units |  | pounds |  |  |
| Pre-Weaning Kid Feed |  |  |  |  |  |  |
| Prairie Hay |  | pounds | \$ 0.05 | pounds |  |  |
| Alfalfa Hay | 72 | pounds | \$ 0.08 | pounds | \$ | 502.93 |
| Creep Feed for baby kids | 4.02 | pounds | \$ 0.22 | day | \$ | 82.37 |
| Corn |  | pounds | \$ 0.10 | pounds |  |  |
| Other |  | units |  | pounds |  |  |
| Replacement Feed |  |  |  |  |  |  |
| Prairie Hay |  | pounds | \$ 0.05 | pounds |  |  |
| Alfalfa Hay |  | pounds | \$ 0.08 | pounds |  |  |
| Salt \& Mineral |  | pounds | \$ 0.63 | pounds |  |  |
| Corn |  | pounds | \$ 0.10 | pounds |  |  |
| Other |  | units |  | pounds |  |  |
| Finishing Kid Feed |  |  |  |  |  |  |
| Prairie Hay | 102 | pounds | \$ 0.05 | pounds | \$ | 336.60 |
| Alfalfa Hay |  | pounds | \$ 0.08 | pounds |  |  |
| Salt \& Mineral |  | pounds | \$ 0.63 | pounds |  |  |
| Corn | 75 | pounds | \$ 0.10 | pounds | S | 486.16 |
| $37 \%$ protein finishing supplement | 37.5 | pounds | \$ 0.20 | pounds | \$ | 495.00 |
| Other |  | pounds |  | pounds |  |  |
| Other |  | pounds |  | pounds |  |  |
| Other Feed Expenses |  |  |  |  |  |  |
| Other Feed Expenses Other Feed Expenses Other Feed Expenses |  | $\mathcal{F}_{\text {unit }}^{\text {unit }} \begin{aligned} & \text { unit } \end{aligned}$ |  | $\left\{\begin{array}{l} \text { unit } \\ \text { unit } \\ \text { unit } \end{array}\right.$ |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Total Feed Expenses |  |  |  |  | \$ | 9,438.71 |


| Other Variable Expenses | $\begin{aligned} & \hline \text { Number of } \\ & \text { Animals } \end{aligned}$ | Animal | Price | $\begin{gathered} \text { Per } \\ \text { Animal } \end{gathered}$ | Annual Variable Costs |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Cull Doe Marketing | 5 | does | \$ 7.00 | per doe per kid | \$ | 35.00 |
| Finished Kid Marketing | 66 | kids | \$ 7.00 |  | \$ | 462.00 |
| Weaned Kid Marketing | 25 | kids | \$ 7.00 | per kid | \$ | 175.00 |
| Sale Barn |  |  |  |  |  |  |
| Transportation to Barn |  |  |  |  |  |  |
| Other Marketing Expenses |  | units |  | per unit |  |  |
| Risk Management Expenses |  |  |  |  |  |  |
| Pasture, Rangeland, \& Forage Insurance | 66 | kids <br> kids <br> kids <br> units | \$ 0.60 | per kid | \$ | 39.60 |
| Livestock Revenue Protection Insurance | 66 |  |  | per kid |  |  |
| Additional Marketing \& Hauling | 91 |  | \$ 5.00 | per kid per unit | \$ | 455.00 |
| Other Risk Management Expenses |  |  |  |  |  |  |
| Predator Control |  |  |  |  |  |  |
| Dog Food | 66 | kids <br> kids <br> units | \$ 7.00 | per kid per kid unit | S | 462.00 |
| Additional Predator Control | 66 |  | \$ 1.80 |  | \$ | 118.80 |
| Other Predator Control |  |  |  |  |  |  |
| Repair Expenses |  |  |  |  |  |  |
| Housing Improvement \& Repairs | 70 | does <br> does <br> does <br> does | $\begin{array}{lr} \$ & 17.14 \\ \$ & 10.00 \\ \$ & 7.14 \end{array}$ | per doe <br> per doe <br> per doe <br> per doe | \$ | 1,200.00 |
| Machinery, Equipment, Vehicle Repairs | 70 |  |  |  | S | 700.00 |
| Fencing Repairs | 70 |  |  |  | \$ | 500.00 |
| Other Repairs | 70 |  |  |  |  |  |
| Other Variable Expenses |  |  |  |  |  |  |
| Labor - Hired | 10 | days <br> miles <br> kids <br> kids <br> units <br> units <br> units | \$ 25.00 | per day per mile | \$ | 250.00 |
| Hauling | 120 |  | \$ 1.60 |  | S | 192.00 |
| Veterinary and Medical Supplies | 66 |  | \$ 5.00 | per kid <br> per kid <br> per unit <br> per unit <br> per unit | S | 330.00 |
|  | 66 |  | $\$ \quad 1.45$  <br>   <br>   <br>   |  | S | 95.70 |
| Other Variable Expenses Other Variable Expenses Other Variable Expenses |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Total Other Expenses |  |  |  |  | \$ | 5,015.10 |

## Total Expenses - Fixed \& Overhead $\quad \$ \quad \mathbf{8 , 0 2 0 . 7 2}$

| Annualized Fixed Expenses |  |  | Annualized Fixed Expenses |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Value | Per Unit |  |  |
| Annualized Fencing Expenses (Depreciation) |  |  |  |  |
| Buildings /Barn Fence Posts | $\begin{aligned} & \$ 11.43 \\ & \$ 11.12 \end{aligned}$ | per doe per doe | \$ | 800.00 |
| Fence Panels | \$ 46.31 | per doe | \$ | 3,242.03 |
| Machinery \& Equipment Used for Enterprise | \$ 21.43 | per doe | \$ | 1,500.00 |
| Other Annualized Expenses |  |  |  |  |
| Other Annualized Fixed Expenses | \$ - | per doe |  |  |
| Other Annualized Fixed Expenses |  | per doe |  |  |
| Other Annualized Fixed Expenses | \$ | per doe |  |  |
| Opportunity Interest Expense | \$ 17.14 | per doe | \$ | 1,200.00 |
| Total Annualized Fixed Expenses |  |  | \$ | 7,520.72 |




## Total Non-Farm Adjustments <br> \$



