

Checklist for developing costs, revenue and net returns for a meat goat (or sheep) enterprise

G.A. Benson, PhD
Professor Emeritus
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The following list includes items that might be used in a meat goat (or sheep) enterprise. It serves as a checklist but all the items listed may not be needed or used. The data generated from this worksheet can be used to develop an enterprise budget using a template available at <http://www.ag-econ.ncsu.edu/faculty/benson/benson.html>

This template is an Excel© spreadsheet and the user can enter his or her data in the yellow or green colored cells. There are two worksheets, one is the budget and the other is used to generate fixed or ownership costs for facilities and equipment and equipment operating expenses. Users are advised to read the instructions contained in the document with the title "Instructions for using the budget template."

A. Herd, herd performance and revenue

1. Number of does _____
 2. Number of bucks _____(1 for each xx does)
 3. Kid Crop, live births as % of does exposed _____
 4. Kid mortality rate, birth to sale age _____
 5. Male kids sold for meat, % of surviving kid crop* _____
 6. Male kids sold for breeding stock, if any, % of surviving kid crop* _____
 7. Female kids sold for meat, % of surviving kid crop* _____
 8. Female kids retained for replacement breeding stock, % of surviving kid crop* _____
(The actual number of kids retained plus purchased replacements must equal number of does died and culled if the herd numbers are to be maintained).
 9. Female kids sold for breeding stock, if any, % of surviving kid crop* _____
- *Items 5 through 9 must add to 100% of total kids surviving.
10. Annual culling rate for does, % of doe herd _____
 11. Annual death loss rate for does, % of herd per year _____

12. Annual culling or replacement rate for bucks, % per year _____
13. Annual death loss rate for does, % of herd per year _____
14. Annual culling or replacement rate for bucks, % per year _____
15. Average age of male kids sold for meat, months, _____
16. Average age of female kids sold for meat, months, _____
17. Average live weight of male kids sold for meat, lb per head. _____
18. Average live weight of female kids sold for meat, lb per head. _____
19. Average live weight of cull does sold for meat, lb per head. _____
20. Average live weight of cull or replaced bucks sold, lb per head. _____
21. Average price received for male kids sold for meat, \$/lb. _____
22. Average price received for female kids sold for meat, \$/lb. _____
23. Average price received for male kids sold for breeding stock, \$/head _____
24. Average price received for female kids sold for breeding stock, \$/head. _____
25. Average price received for cull does sold for meat, \$/lb. _____
26. Average price received for cull bucks sold, \$/lb. _____
27. a) Are any replacement does purchased, yes or no? _____
b) If yes to 24a, average price paid for replacement does \$/head, \$ _____
28. Average price paid for breeding bucks, \$ per head _____

B. Feeding Program and costs.

29. Number of days herd grazes pasture per year _____
30. Average number of does per acre of pasture (Stocking rate) _____
31. Pasture management practices, days between moves to fresh pasture or paddocks, 1 = daily, 2 = every other day, 7 = weekly, etc. _____
32. Number of days doe herd is fed hay _____
33. Average amount of hay offered, lb. per doe per day _____
34. Number of days feeder kids are fed hay _____
35. Average amount of hay offered, lb. per kid per day _____
36. a) Is hay bought or made on the farm? _____
b) If hay is bought, average price per ton paid, delivered, \$ _____
Note: If hay is made on the farm, see section C below
37. Number of days doe herd is fed supplementary grain mix _____

38. Average amount of grain mix fed, lb. per doe per day _____
39. Price of doe grain mix per ton, delivered, \$ _____
40. Number of days feeder kids are fed grain mix _____
41. Average amount of grain mix fed, lb. per kid per day _____
42. Price of kid grain mix per ton, delivered, \$ _____
43. Number of days doe herd is fed mineral mix (if separate from grain mix) _____
44. Average amount of mineral mix fed, ounces per doe per day (if separate from grain mix) _____
45. Number of days feeder kids are fed mineral mix (if separate from grain mix) _____
46. Average amount of mineral mix fed, ounces per kid per day (if separate from grain mix) _____
47. Price of mineral per 100 pounds, delivered, \$ _____

C. Pasture, pasture management and costs. (The user may wish to use the NCSU forage enterprise budgets to estimate grazing and hay making costs. These can be found at http://www.ag-econ.ncsu.edu/extension/Ag_budgets.html. Prorate expenses between grazing and hay, or among enterprises if pasture use is shared)

48. Number of acres of improved pasture used by goats _____
49. Pasture type(s) _____
50. Annual fertilization program -- sources used, e.g., commercial, poultry litter, etc.

51. Annual fertilizer application, cwts. _____
52. Annual fertilizer application, analysis (eg 10-10-10), _____
53. Times and methods of application, (eg, custom spread 5 cwt per acre in spring, fall top dress N with own tractor and spreader) _____
54. a) Is any hay made from the goat pasture acreage, yes or no? _____
b) If yes, total tons of hay made on the goat pasture acreage _____
c) If yes, what percentage of total dry matter yield harvested as hay? %. _____
d) If yes, cost to make hay (excluding forage production cost) per ton, \$ _____
55. a) Are goat pastures also grazed by other species, yes or no? _____
b) If yes, what percentage of the grazing is consumed by the goat herd? _____
56. a) Is hay made on acreage not grazed by goats, yes or no? _____

b) If yes, tonnage made per year, as fed. _____

c) If yes, cost per ton of hay made, including crop cost, as fed. _____

D. Herd health and costs (Expressing these as costs per doe per year even if kids are treated makes modifying the budget easier)

57. Dewormer cost per doe per year, \$ _____

58. Vaccination cost per doe per year, \$ _____

59. Other herd medication costs, cost per doe per year, \$ _____

60. Veterinarian's services, cost per doe per year, \$ _____

E. Labor use and costs

61. Average number of hours spent per doe per year by unpaid family members,

a) Operating machinery and equipment, hours _____

b) Working with livestock, hours, _____

62. Estimated value of family labor, e.g., based on off-farm work opportunities or the cost of hiring non-family members, \$ per hour, _____

63. Average number of hours spent per doe per year by hired workers,

a) Operating machinery and equipment, hours _____

b) Working with livestock, hours, _____

64. Labor cost per hour for hired workers, including fringe benefits, \$ _____/hour

F. Other Costs

65. Predator control, cost of maintaining a predator control animal, \$/year, _____

66. Miscellaneous expenses not included elsewhere, \$/doe, _____

67. Sales commissions, transportation and related marketing expenses, \$/head sold, _____

68. Cost of operating capital, (actual or opportunity cost of own money), annual interest rate, %, _____

G. Investments in Livestock, Facilities & Equipment, (including current value of existing investments if item is salable or otherwise recoverable)

69. Estimated average value of does, \$ per head _____

70. Estimated average value of bucks, \$ per head _____

71. a) Fencing cost, perimeter, linear feet _____

- b) Cost per foot run, if new, \$_____
72. a) Fencing cost, internal, linear feet _____
b) Cost per foot run, if new, \$_____
73. a) Fencing cost, temporary electric, linear feet (posts and wire) _____
b) Cost per foot run, \$_____
74. Type of working facilities (pens, corral, etc.) _____
75. Working facilities (pens, corral, etc.), estimated new cost or value \$_____
76. Barns for livestock, size _____
77. Barns for livestock, estimated new cost or value \$_____
78. Hay barn, size _____
79. Hay barn, estimated new cost or value \$_____
80. Machine shed or shop, size _____
81. Machine shed or shop estimated new cost or value \$_____
82. Other, eg, general storage, size _____
83. Other, eg, general storage, estimated new cost or value \$_____
84. Tractor 1 (type, horse power) _____
85. Tractor 1, estimated new cost or value \$_____
86. Tractor 2 (type, horse power) _____
87. Tractor 2, estimated cost to buy new or value \$_____
88. Fertilizer spreader (type, size) _____
89. Fertilizer spreader estimated cost to buy new or value \$_____
90. Sprayer, (type, size) _____
91. Sprayer estimated cost to buy new or value \$_____
92. Mower, (Type, size) _____
93. Mower estimated cost to buy new or value \$_____
94. Bush hog (size) _____
95. Bush hog, estimated cost to buy new or value \$_____
96. Hay baler, type and size _____
97. Hay Baler, estimated cost to buy new or value \$_____
98. Hay rake, (type, size) _____
99. Hay rake, estimated cost to buy new or value \$_____

- 100. Tedder, (Type, size) _____
- 101. Tedder, estimated cost to buy new or value \$_____
- 102. Pickup truck (size, type) _____
- 103. Pickup truck, estimated cost to buy new or value \$_____
- 104. Enterprise share of pick up truck use, % of total annual use, %_____
- 105. ATV, (size, type) _____
- 106. ATV, cost to buy new or value \$_____
- 107. Livestock trailer, cost to buy new or value \$_____
- 108. Enterprise share of trailer use, % of total annual use, %_____

H. **Other information** about the goat enterprise affecting costs or revenue, e.g., items not listed above, notes on total size of farm, notes on other farm enterprises (and, if so, list what facilities and equipment are shared, what % of use or cost is allocated to which enterprise)
