

Goats (Early Kidding) Planning Budget

Table 1. Missouri meat goat planning budget for 2024: Early kidding, sell at weaning (50 does, 157% kidding rate).

	Head per doe	Quantity	Unit	Dollars per unit	Dollars per doe	Dollars per enterprise
Returns						
Heavy kids	0.42	60	pound	2.84	71.57	3,578.40
Light kids	1.08	50	pound	2.99	161.46	8,073.00
Culled does	0.16	125	pound	1.60	28.00	1,400.00
Culled bucks	0.02	175	pound	1.55	5.43	271.25
Total returns					266.45	13,322.65
Operating costs						
Doe replacement	0.16		head	210.00	33.60	1,680.00
Buck cost, breeding supplies	0.04		head	270.00	6.40	320.00
Pasture		0.74	acre	32.55	18.56	928.13
Hay		435	pounds	0.080	34.85	1,742.31
Supplement		59	pounds	0.107	6.28	314.05
Mineral		4.4	pounds	0.50	4.43	221.39
Animal health					6.45	322.59
Guard dog replacement and food					12.07	603.61
Bedding and stock supplies					3.25	162.50
Marketing					19.98	999.20
Machinery fuel, lube, repair					14.03	701.48
Facility maintenance					3.90	195.00
Operating interest		9.0	percent		7.30	364.78
Operator and hired labor		2.87	hour	17.70	50.80	2,539.95
Total operating costs					221.90	11,094.99
Ownership costs						
Business overhead (professional fees, utilities, miscellaneous)					4.50	225.00
Property taxes and insurance					3.51	175.60
Economic depreciation, facility and equipment					21.12	1,056.17
Opportunity interest on capital investment		5.0	percent		26.33	1,316.63
Total ownership costs					55.47	2,773.39
Total costs					277.37	13,868.38
Return over operating costs					44.55	2,227.66
Return over total costs					-10.91	-545.73
Return to labor and management					39.88	1,994.22
Shutdown kid price, all else equal, \$ per pound					2.38	
Breakeven kid price, all else equal, \$ per pound					3.08	

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Table 2. Budgeted production rates for 2024.

Rates	Quantity
Kiddings, per doe per year	1
Doe numbers, start of breeding season	50
Bucks for breeding	2
Kid crop (live birth per exposed), percent	157
Kid crop (raised to sale weight), percent	150
Adult death loss, percent	2
Kid death loss, pre-weaning, percent	3
Kid death loss, post-weaning, percent	3

Table 3. Enterprise feed and labor estimates for 2024.

	Unit	Units per head, adults	Units per head, kids	Total units per doe	Weighted price (dollars per unit)	Total dollars per doe
Pasture	acre	0.38	0.23	0.74	32.55	24.17
Hay	pound	418.6	0.0	435.0	0.08	34.85
Supplement	pound	55.0	1.0	58.7	0.107	6.28
Mineral	pound	8.0	0.3	8.9	0.5	4.43
Labor	hour	2.0	0.5	2.87	17.70	50.80

Table 4. Enterprise land and capital investment estimates for 2024.

	Unit	Quantity	Dollars per unit	Enterprise total dollars	Dollars per doe
Breeding stock unit	doe	50	266	13,305	266
Buildings and facilities				11,500	230
Machinery, equipment and pickup				9,800	196
				Total	692

Note: Building and machinery investment for the farm is allocated across multiple enterprises.

The meat goat budget is designed to reflect the economic costs and returns of a 50 doe, winter kidding herd (December and January) with kids marketed between 50 to 60 pounds in April. This management system takes advantage of seasonally high market prices for weaned kids. However, this management system has relatively high production risk due to summer breeding challenges and winter kidding. Farmers can also customize this budget to fit their own operations by using the [Missouri Meat Goat Enterprise Tool](https://extension.missouri.edu/media/wysiwyg/Extensiondata/Pro/AgBusinessPolicyExtension/Docs/EarlyKiddingGoatBudget.xlsx) (extension.missouri.edu/media/wysiwyg/Extensiondata/Pro/AgBusinessPolicyExtension/Docs/EarlyKiddingGoatBudget.xlsx). Download the spreadsheet tool to keep an electronic copy of your cost and return estimates for meat goats in Missouri.