

Goats - Early Kidding Planning Budget

Table 1. Missouri meat goat planning budget for 2021: Early kidding, sell at weaning (50 does, 150% kidding rate).

	Head per doe	Quantity	Unit	Dollars per unit	Dollars per doe	Dollars per enterprise
Returns						
Heavy kids	0.50	60	pound	3.05	91.50	4,575.00
Light kids	0.92	50	pound	2.75	126.50	6,325.00
Culled does	0.16	125	pound	1.42	24.85	1,242.50
Culled bucks	0.02	175	pound	1.62	5.67	283.50
Total returns					248.52	12,426.00
Operating costs						
Doe replacement	0.17		head	150.00	25.50	1,275.00
Buck cost, breeding supplies	0.04		head	350.00	8.00	400.00
Pasture		0.35	acre	37.84	10.56	528.00
Hay		396	pound	0.05	19.82	990.78
Supplement		30	pound	0.11	3.16	158.12
Mineral		4.4	pound	0.40	3.53	176.52
Animal health					6.38	318.85
Guard dog replacement and food					8.87	443.65
Bedding and stock supplies					2.75	137.50
Marketing		7.5	percent		18.64	931.95
Machinery fuel, lube, repair					14.64	732.04
Facility maintenance					3.90	195.00
Operating interest		4.5	percent		2.64	131.83
Operator and hired labor		4.32	hour	15.50	66.96	3,348.00
Total operating costs					195.34	9,767.25
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		4.5	percent		20.29	1,014.64
Total ownership costs					49.43	2,471.40
Total costs					244.77	12,238.65
Return over operating costs					53.18	2,658.75
Return over total costs					3.75	187.35
						Return to labor and management
					70.71	3,535.35
					2.17	Shut-down kid price, all else equal, \$ per pound
					2.82	Break-even kid price, all else equal, \$ per pound

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Table 2. Production rates for 2021: Early kidding, sell at weaning.

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	150
Kid crop (raised to sale weight), percent	142
Adult death loss, percent	3
Kid death loss, pre-weaning, percent	3
Kid death loss, post-weaning, percent	3

Table 3. Feed and labor estimates for 2021: Early kidding, sell at weaning.

	Unit	Units per head, adults	Units per head, kids	Total units per doe	Weighted price (dollars per unit)	Total dollars per doe
Pasture	acre	0.2	0.1	0.35	37.84	13.32
Hay	pound	381.1		396.0	0.05	19.82
Supplement	pound	27.5	1.0	30.0	0.105	3.16
Mineral	pound	8.0	0.3	8.8	0.40	3.53
Labor	hour	3.0	0.8	4.32	15.50	66.96

Table 4. Land and capital investment estimates for 2021: Early kidding, sell at weaning.

	Unit	Quantity	Dollars per unit	Enterprise total dollars	Dollars per doe
Pastureland	acre	18	2,500	44,000	880
Breeding stock unit	doe	50	190	9,520	190
Buildings and facilities				11,500	230
Machinery, equipment and pickup				9,800	196
Total				74,820	1,496

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

The meat goat budget is designed to reflect the economic costs and returns of a 50 doe, winter kidding flock (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 see other Missouri budgets or customize existing Missouri budgets by visiting <https://extension.missouri.edu/programs/agricultural-business-and-policy-extension/missouri-crop-and-livestock-enterprise-budgets>.