

Yearling Beef Steer Feeding Planning Budget

Using this planning budget, beef cattle producers may estimate their costs and returns for 2022. Table 1 presents estimates for yearling steers purchased in November 2021 and sold in April 2022 in Missouri. Assumptions were based on price forecasts as of October 2021. Detailed assumptions and feed requirements are summarized in Tables 2 and 3. The production practices used to develop these cost estimates are common in Missouri beef farms. Use the “Your estimate” column to plan your operation’s costs and returns for 2022.

Table 1. Missouri yearling beef steer feeding planning budget.

	Per steer sold ¹	Your estimate
Income		
Market steer sales	1,664.00	
Less death loss (2 percent)	-33.28	
Total income	1,630.72	
Operating costs		
Purchased steer calf	1,087.50	
Purchased feed	430.25	
Labor	35.00	
Veterinary and drugs	11.75	
Commission, yardage, and hauling	25.00	
Machinery and feed preparation	8.00	
Utilities	5.00	
Operating interest	25.91	
Total operating costs	1,628.41	
Ownership costs		
Depreciation and interest on real estate	5.00	
Real estate and property taxes	4.00	
Total ownership costs	9.00	
Total costs	1,637.41	
Income over operating costs	2.31	
Income over total costs	-6.69	

¹ Totals may not sum due to rounding.

Table 2. Assumptions in Missouri yearling beef steer feeding planning budget.

Selected input quantities	Per unit	Selected input prices	Dollars per unit
Steer purchase weight, pounds	750	Steer purchase price, per hundredweight	145.00
Market steer sale weight, pounds	1,300	Market steer sale price, per hundredweight	128.00
Labor, hours	2	Labor cost, per hour	17.50
Operating interest, percent	4.9		

Table 3. Feed requirements per steer in Missouri yearling beef steer feeding planning budget.

Feed description	Cost per unit	Total pounds¹	Dollars
Corn, per bushel	5.25	2,240	210.00
Distiller grains, dry, per ton	230.00	1,500	172.50
Soybean meal, per ton	380.00	100	19.00
Salt and additives, per ton	500.00	30	7.50
Grass hay, per ton	85.00	500	21.25
Total		4,370	333.00

¹Ration assumes 151 days on feed and 3.65 pound average daily gain for a steer.

Farmers can also customize this budget to fit their own operations by using the [Missouri Yearling Steer Enterprise Tool](https://extension.missouri.edu/media/wysiwyg/Extensiondata/Pro/AgBusinessPolicyExtension/Docs/YearlingSteerBudget.xlsx) (https://extension.missouri.edu/media/wysiwyg/Extensiondata/Pro/AgBusinessPolicyExtension/Docs/YearlingSteerBudget.xlsx). Download the spreadsheet tool to keep an electronic copy of your cost and return estimates for a beef cattle operation in Missouri.