Extension
University of Missouri

Southeast Missouri Winter Canola Planning Budget

Using this planning budget, canola producers may estimate their costs and returns for 2026. Table 1 presents estimates for winter canola production in northern, central and southwest Missouri. Assumptions were based on price forecasts as of October 2025. Detailed prices and practices are summarized in Tables 2 and 3. The production practices used to develop these cost estimates are common for Missouri farms. Use the "Your estimate" column to plan your operation's costs and returns for 2026.

Table 1. Southeast Missouri winter canola planning budget for 2026.

	Dollars per acre	Your estimate
Income		
Grain sales	550.00	
Government payments		
Total income	550.00	
Operating costs		
Seed	54.00	
Fertilizer and soil amendments	149.10	
Crop protection chemicals	80.00	
Crop supplies, storage and marketing	8.00	
Crop consulting and insurance	27.00	
Custom hire and rental	14.74	
Operator labor	8.97	
Machinery fuel	10.62	
Machinery repairs and maintenance	26.56	
Management	16.50	
Operating interest	14.34	
Total operating costs[1]	409.82	
Ownership costs		
Farm business overhead	11.00	
Machinery ownership	45.81	
Real estate charge	112.50	
Total ownership costs[2]	169.31	
Total costs[3]	579.13	
Income over operating costs	**140.18**	
Income over total costs	**–29.13**	
Return to land and management	**99.87**	

Note: Totals may not sum due to rounding.

1. Operating costs per bushel = $8.20
2. Ownership costs per bushel = $3.39
3. Total costs per bushel = $11.58

Developed by
Ben Brown, Extension Specialist, Agricultural Business and Policy; **Drew Kientzy**, Research Analyst, Agricultural Business and Policy; **Randal Stephens**, Field Specialist, Agriculture Business and Policy

Table 2 shows input assumptions for the winter canola budget. Price estimates reflect harvest time prices. Costs or returns from storage or other marketing methods are not included. Farm business overhead includes liability insurance, utilities, accounting, etc. Real estate charge is an estimated rental rate for marginal cropland.

Table 3 details the field activities assumed in this budget and their machinery costs. Machinery costs were estimated using typical life (years), use (hours) and performance (fuel and labor) factors for each power unit and implement used.

Table 2. Input assumptions used in southeast Missouri winter canola planning budget for 2026.

Selected input quantities	Per acre
Yield, bushels	50
Seeding rate, pounds	6
Nitrogen rate, pounds N	120
Phosphorus rate, pounds P_2O_5	40
Potassium rate, pounds K_2O	20
Lime rate, tons	0.5
Skilled operator labor, hours	0.4
Operating interest, annual percentage	7.25

Selected input prices	Dollars per unit
Canola market price, per bushel	11.00
Seed, per 50 pound bag	450.00
Nitrogen, per pound N	0.70
Phosphorus, per pound P_2O_5	0.73
Potassium, per pound K_2O	0.42
Lime, per ton	35.00
Skilled operator labor, $ per hour	22.50
Farm diesel, per gallon	2.90

Table 3. Machinery assumptions used in southeast Missouri winter canola planning budget for 2026, on a per acre basis.

Machine activity (not custom fieldwork)	Passes per acre	Fuel (gallons)	Labor (hours)	Operating costs[1] (dollars)	Ownership costs[2] (dollars)	Total costs (dollars)
Air seeder drill with cart, 52-foot folding	1	0.63	0.04	10.78	13.99	24.77
Boom sprayer, self-propelled, 120-foot folding	3	0.38	0.03	8.44	4.80	13.24
Draper platform, 45-foot	1	1.29	0.06	10.96	16.91	27.87
Grain trailer, 1,000 bushel		0.43	0.07	4.37	2.27	6.64
Grain cart, 1,000 bushel		0.37	0.03	3.23	3.98	7.21
Grain auger, 13-inch-by-90-foot		0.11	0.02	1.14	0.88	2.02
Pickup (1 ton)		0.45	0.15	7.23	2.98	10.21
Dry fertilizer	2					14.74
Total		**3.66**	**0.40**	**46.15**	**45.81**	**106.70**

Note: Totals may not sum due to rounding.

1. Machinery operating cost is the sum of fuel, repairs, maintenance and the value of labor.
2. Machinery ownership cost is the sum of machinery overhead and depreciation.

Producers can customize this budget using the Southeast Missouri Crop Budgets workbook (XLSX) (extension.missouri.edu/media/wysiwyg/Extensiondata/Pro/AgBusinessPolicyExtension/Docs/crop-budgets-semo.xlsx). Each crop budget has an accompanying sensitivity analysis so producers can see how their financial return to land and management varies with different crop yields and crop prices.

Check out the complete collection of Missouri crop and livestock enterprise budgets at muext.us/MissouriAgBudgets

Extension
University of Missouri

Issued in furtherance of the Cooperative Extension Work Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. Director, Cooperative Extension, University of Missouri, Columbia, MO 65211 • MU Extension provides equal opportunity to all participants in extension programs and activities and for all employees and applicants for employment on the basis of their demonstrated ability and competence without discrimination on the basis of race, color, national origin, ancestry, religion, sex, sexual orientation, gender identity, gender expression, age, genetic information, disability or protected veteran status. • 573-882-7216 • extension.missouri.edu