

Date: Nov-01-2023

The following pages represent a single crop budget but at 3 levels of detail and for 3 planning yield levels

Abstract level budget - The most summarized version of a budget. (e.g., a single line represents all fertilizer costs)

Summary level budget - A more detailed crop budget. (e.g., Fertilizer is broken out into N, P, K)

Detailed level budget - All the detail for producing a crop. (e.g., The specific fertilizers are listed).

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Middle yield - The basic crop budget for a region and crop.

A detailed, summary, and abstract level budget are included for the middle yield.

Low and High yield - Budgets based on the middle yield but with a lower/higher yield goal (and irrigation level).

These high and low yield level budgets only include the abstract level budgets.

The 2 tables below are sensitivity tables that show the returns over direct costs and the returns over total costs

The tables have the basic budget price in the middle column

On either side of the base price are potential prices 5% and 10% above and below this base price

TABLE 1. RETURNS OVER DIRECT COSTS

		Prices					
		\$10.94	\$11.54	\$12.15	\$12.76	\$13.37	
		=====					
	25.0 ll	\$73	\$88	\$103	\$119	\$134	Low yield
Yields	40.0 ll	\$159	\$183	\$207	\$231	\$256	Middle yield
	55.0 ll	\$313	\$347	\$380	\$414	\$447	High yield

TABLE 2. RETURNS OVER TOTAL COSTS

		Prices					
		\$10.94	\$11.54	\$12.15	\$12.76	\$13.37	
		=====					
	25.0 ll	-\$52	-\$36	-\$21	-\$6	\$9	Low yield
Yields	40.0 ll	\$34	\$58	\$83	\$107	\$131	Middle yield
	55.0 ll	\$189	\$222	\$256	\$289	\$322	High yield

# 2024 Canola Cost-Return Budget in South Central Kansas

----- MIDDLE YIELDS

Gregg Ibendahl, Daniel O'Brien, Sarah Lancaster, Mike Stamm, and John Holman

Budget abstract

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
<b>INCOME</b>						
Product						
Canola - South Central KS	bu	\$12.15	40.00	\$486.00	\$486.00	_____
					-----	
--TOTAL INCOME--					\$486.00	_____
<b>DIRECT EXPENSES</b>						
Additional labor					\$1.26	_____
Crop insurance					\$26.25	_____
Custom Operations					\$33.21	_____
Diesel					\$20.59	_____
Fertilizers					\$80.48	_____
Herbicides					\$26.46	_____
Insecticides					\$13.00	_____
Miscellaneous					\$9.07	_____
Operator labor					\$9.75	_____
Repair & Maintenance					\$16.02	_____
Seeds					\$32.00	_____
Interest on operating capital			8% percent on direct expenses		\$10.72	_____
					-----	
--TOTAL DIRECT EXPENSES--					\$278.82	
-----Total direct expenses per bu \$6.97						
<b>FIXED EXPENSES</b>						
Cash rent					\$53.00	_____
Capital recovery (depreciation + interest)					\$71.48	_____
					-----	
--TOTAL FIXED EXPENSES--					\$124.48	
-----Total expenses per bu \$10.08						
					=====	
RETURNS ABOVE DIRECT EXPENSES					\$207.18	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES					\$82.70	

# 2024 Canola Cost-Return Budget in South Central Kansas

----- MIDDLE YIELDS

Summary page(s)

Gregg Ibendahl, Daniel O'Brien, Sarah Lancaster, Mike Stamm, and John Holman

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
<b>INCOME</b>						
Product						
Canola - South Central KS	bu	\$12.15	40.00	\$486.00	\$486.00	_____
					\$486.00	_____
<b>--TOTAL INCOME--</b>						
<b>DIRECT EXPENSES</b>						
<b>Additional labor</b>						
Planting	-----			\$0.94		
Spraying	-----			\$0.32	\$1.26	_____
<b>Crop insurance</b>						
-----	-----			\$26.25	\$26.25	_____
<b>Custom Operations</b>						
Fertilizer application	-----			\$18.18		
Hay	-----			\$15.03	\$33.21	_____
<b>Diesel</b>						
Harvesting	-----			\$6.75		
Hauling	-----			\$3.95		
Planting	-----			\$2.88		
Spraying	-----			\$2.58		
Tillage	-----			\$4.43	\$20.59	_____
<b>Fertilizers</b>						
Pre-plant	-----			\$16.20		
Side-dressed	-----			\$52.28		
Nitrogen	lbs	\$0.69	103.00	\$70.56		
Phosphorus	lbs	\$0.62	16.00	\$9.92		
Potassium	lbs	\$0.00	0.00	\$0.00		
Lime	lbs	\$0.00	0.00	\$0.00	\$80.48	_____
<b>Herbicides</b>						
Burndown	-----			\$9.27		
Post-emergence	-----			\$17.19	\$26.46	_____
<b>Insecticides</b>						
-----	-----			\$13.00	\$13.00	_____
<b>Miscellaneous</b>						
-----	-----			\$9.07	\$9.07	_____
<b>Operator labor</b>						
Harvesting	-----			\$2.45		
Hauling	-----			\$2.45		
Planting	-----			\$1.51		
Spraying	-----			\$1.02		
Tillage	-----			\$2.33	\$9.75	_____
<b>Repair &amp; Maintenance</b>						
Harvesting	-----			\$7.04		
Hauling	-----			\$2.25		
Planting	-----			\$2.60		
Spraying	-----			\$1.09		
Tillage	-----			\$3.04	\$16.02	_____
<b>Seeds</b>						
-----	-----			\$32.00	\$32.00	_____
Interest on operating capital				8% percent on direct expenses	\$10.72	\$10.72 _____

# 2024 Canola Cost-Return Budget in South Central Kansas

----- MIDDLE YIELDS

Gregg Ibendahl, Daniel O'Brien, Sarah Lancaster, Mike Stamm, and John Holman

Summary page(s)

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
--TOTAL DIRECT EXPENSES--					\$278.82	
-----Total direct expenses per bu \$6.97						
FIXED EXPENSES						
Cash rent				\$53.00	\$53.00	
Capital recovery (depreciation + interest)						
Harvesting				\$29.83		
Hauling				\$9.31		
Planting				\$9.45		
Spraying				\$8.44		
Tillage				\$14.46	\$71.48	
--TOTAL FIXED EXPENSES--					\$124.48	
-----Total expenses per bu \$10.08						
RETURNS ABOVE DIRECT EXPENSES					\$207.18	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES					\$82.70	

# 2024 Canola Cost-Return Budget in South Central Kansas

----- MIDDLE YIELDS

Detailed budget page(s)

Gregg Ibendahl, Daniel O'Brien, Sarah Lancaster, Mike Stamm, and John Holman

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
<b>INCOME</b>						
Product						
Canola - South Central KS	bu	\$12.15	40.00	\$486.00	\$486.00	_____
Other						
Govt payments, indemnity payments, etc.						_____
					-----	
--TOTAL INCOME--					\$486.00	_____
<b>DIRECT EXPENSES</b>						
Additional labor						
Planting						
Grain Drill_30' with Tractor(200-249hp)CB	hour	\$15.00	0.06	\$0.94		
Spraying						
Sprayer 1000gal_100' 300hp with Sprayer 1000gal	hour	\$15.00	0.02	\$0.32	\$1.26	_____
Crop insurance						
-----						
Canola_SC_Dry	acre	\$26.25	1.00	\$26.25	\$26.25	_____
Custom Operations						
Fertilizer application						
Application of Anhydrous Ammonia	acre	\$18.18	1.00	\$18.18		
Hay						
Swathing and Conditioning	acre	\$15.03	1.00	\$15.03	\$33.21	_____
Diesel						
Harvesting						
Header Wheat/Sorghum_25' Rigid with Combine (300-349	gal	\$3.95	1.71	\$6.75		
Hauling						
Grain Cart Wht/Sor_700 bu with Tractor(180-199hp)CB	gal	\$3.95	1.00	\$3.95		
Planting						
Grain Drill_30' with Tractor(200-249hp)CB	gal	\$3.95	0.73	\$2.88		
Spraying						
Sprayer 1000gal_100' 300hp with Sprayer 1000gal	gal	\$3.95	0.65	\$2.58		
Tillage						
Disk Harrow_32' with Tractor(200-249hp)CB	gal	\$3.95	0.71	\$2.81		
Field Cultivate Fld_42' with Tractor(200-249hp)CB	gal	\$3.95	0.41	\$1.63	\$20.59	_____
Fertilizers						
Pre-plant						
Anhydrous	lb	\$0.41	40.00	\$16.20		
Side-dressed						
Ammonium Thiosulfate	lb	\$0.17	100.00	\$17.00		
UAN28	lb	\$0.18	196.00	\$35.28		
with planter						
MAP (11-52-0)	lb	\$0.40	30.00	\$12.00	\$80.48	_____
						--- ACTUAL POUNDS - 103 lb - N, 16 lb - P, 0 lb - K
Herbicides						
Burndown						
Gramoxone SL	oz	\$0.29	32.00	\$9.27		
Post-emergence						
Roundup PowerMax	oz	\$0.39	44.00	\$17.19	\$26.46	_____
Insecticides						
-----						
Transform WG	oz	\$8.00	1.00	\$8.00		
Warrior II/Zeon	oz	\$2.50	2.00	\$5.00	\$13.00	_____
Miscellaneous						

# 2024 Canola Cost-Return Budget in South Central Kansas

----- MIDDLE YIELDS

Detailed budget page(s)

Gregg Ibendahl, Daniel O'Brien, Sarah Lancaster, Mike Stamm, and John Holman

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
----- Canola_SC_Dry	acre	\$9.07	1.00	\$9.07	\$9.07	_____
<b>Operator labor</b>						
Harvesting						
Header Wheat/Sorghum_25' Rigid with Combine (300-349	hour	\$20.00	0.12	\$2.45		
Hauling						
Grain Cart Wht/Sor_700 bu with Tractor(180-199hp)CB	hour	\$20.00	0.12	\$2.45		
Planting						
Grain Drill_30' with Tractor(200-249hp)CB	hour	\$20.00	0.08	\$1.51		
Spraying						
Sprayer 1000gal_100' 300hp with Sprayer 1000gal	hour	\$20.00	0.05	\$1.02		
Tillage						
Disk Harrow_32' with Tractor(200-249hp)CB	hour	\$20.00	0.07	\$1.47		
Field Cultivate Fld_42' with Tractor(200-249hp)CB	hour	\$20.00	0.04	\$0.85	\$9.75	_____
<b>Repair &amp; Maintenance</b>						
Harvesting						
Header Wheat/Sorghum_25' Rigid with Combine (300-349	hour	\$68.95	0.10	\$7.04		
Hauling						
Grain Cart Wht/Sor_700 bu with Tractor(180-199hp)CB	hour	\$22.08	0.10	\$2.25		
Planting						
Grain Drill_30' with Tractor(200-249hp)CB	hour	\$41.29	0.06	\$2.60		
Spraying						
Sprayer 1000gal_100' 300hp with Sprayer 1000gal	hour	\$102.64	0.01	\$1.09		
Tillage						
Disk Harrow_32' with Tractor(200-249hp)CB	hour	\$32.99	0.06	\$2.02		
Field Cultivate Fld_42' with Tractor(200-249hp)CB	hour	\$28.65	0.04	\$1.02	\$16.02	_____
<b>Seeds</b>						
----- Canola - Roundup Ready	lb	\$8.00	4.00	\$32.00	\$32.00	_____
Interest on operating capital	8% percent on direct expenses			\$10.72	\$10.72	_____
<b>--TOTAL DIRECT EXPENSES--</b>					<b>\$278.82</b>	
-----Total direct expenses per bu \$6.97						
<b>FIXED EXPENSES</b>						
<b>Cash rent</b>						
----- All crops_SC_Dry	acre	\$53.00	1.00	\$53.00	\$53.00	_____
<b>Capital recovery (depreciation + interest)</b>						
Harvesting						
Header Wheat/Sorghum_25' Rigid with Combine (300-349	hour	\$291.96	0.10	\$29.83		
Hauling						
Grain Cart Wht/Sor_700 bu with Tractor(180-199hp)CB	hour	\$91.12	0.10	\$9.31		
Planting						
Grain Drill_30' with Tractor(200-249hp)CB	hour	\$150.33	0.06	\$9.45		
Spraying						
Sprayer 1000gal_100' 300hp with Sprayer 1000gal	hour	\$798.21	0.01	\$8.44		
Tillage						
Disk Harrow_32' with Tractor(200-249hp)CB	hour	\$135.99	0.06	\$8.35		
Field Cultivate Fld_42' with Tractor(200-249hp)CB	hour	\$171.82	0.04	\$6.11	\$71.48	_____
<b>--TOTAL FIXED EXPENSES--</b>					<b>\$124.48</b>	
-----Total expenses per bu \$10.08						
<b>RETURNS ABOVE DIRECT EXPENSES</b>					<b>\$207.18</b>	

# 2024 Canola Cost-Return Budget in South Central Kansas

----- - MIDDLE YIELDS

*Gregg Ibendahl, Daniel O'Brien, Sarah Lancaster, Mike Stamm, and John Holman*

Detailed budget page(s)

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
RETURNS ABOVE TOTAL SPECIFIED EXPENSES						\$82.70

# 2024 Canola Cost-Return Budget in South Central Kansas

----- - LOW YIELDS

Gregg Ibendahl, Daniel O'Brien, Sarah Lancaster, Mike Stamm, and John Holman

Budget abstract

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
<b>INCOME</b>						
Product						
Canola - South Central KS	bu	\$12.15	25.00	\$303.75	\$303.75	_____
					-----	
--TOTAL INCOME--					\$303.75	_____
<b>DIRECT EXPENSES</b>						
Additional labor	-----				\$1.26	_____
Crop insurance	-----				\$26.25	_____
Custom Operations	-----				\$0.00	_____
Diesel	-----				\$20.59	_____
Fertilizers	-----				\$50.30	_____
Herbicides	-----				\$26.46	_____
Insecticides	-----				\$13.00	_____
Miscellaneous	-----				\$9.07	_____
Operator labor	-----				\$9.75	_____
Repair & Maintenance	-----				\$16.02	_____
Seeds	-----				\$20.00	_____
Interest on operating capital		8% percent on direct expenses			\$7.71	_____
					-----	
--TOTAL DIRECT EXPENSES--					\$200.41	
-----Total direct expenses per bu \$8.02						
<b>FIXED EXPENSES</b>						
Cash rent	-----				\$53.00	_____
Capital recovery (depreciation + interest)	-----				\$71.48	_____
					-----	
--TOTAL FIXED EXPENSES--					\$124.48	
-----Total expenses per bu \$13						
					=====	
RETURNS ABOVE DIRECT EXPENSES					\$103.34	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES					-\$21.15	



# 2024 Canola Cost-Return Budget in South Central Kansas

----- - HIGH YIELDS

Gregg Ibendahl, Daniel O'Brien, Sarah Lancaster, Mike Stamm, and John Holman

Budget abstract

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
<b>INCOME</b>						
Product						
Canola - South Central KS	bu	\$12.15	55.00	\$668.25	\$668.25	_____
					-----	
--TOTAL INCOME--					\$668.25	_____
<b>DIRECT EXPENSES</b>						
Additional labor	-----				\$1.26	_____
Crop insurance	-----				\$26.25	_____
Custom Operations	-----				\$0.00	_____
Diesel	-----				\$20.59	_____
Fertilizers	-----				\$110.66	_____
Herbicides	-----				\$26.46	_____
Insecticides	-----				\$13.00	_____
Miscellaneous	-----				\$9.07	_____
Operator labor	-----				\$9.75	_____
Repair & Maintenance	-----				\$16.02	_____
Seeds	-----				\$44.00	_____
Interest on operating capital	8% percent on direct expenses				\$11.08	_____
					-----	
--TOTAL DIRECT EXPENSES--					\$288.15	
-----Total direct expenses per bu \$5.24						
<b>FIXED EXPENSES</b>						
Cash rent	-----				\$53.00	_____
Capital recovery (depreciation + interest)	-----				\$71.48	_____
					-----	
--TOTAL FIXED EXPENSES--					\$124.48	
-----Total expenses per bu \$7.5						
					=====	
RETURNS ABOVE DIRECT EXPENSES					\$380.10	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES					\$255.62	