2024

### Irrigated Canola Cost-Return Budget Southwest Kansas

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

For irrigated budgets the 3 yield levels are also associated with different irrigation levels

- 4.0 inches of water for LOW yields
- 8.0 inches of water for MIDDLE yields
- 12.0 inches of water for HIGH yields

#### TABLE 1. RETURNS OVER DIRECT COSTS

		Prices						
		\$10.94	\$11.54	\$12.15	\$12.76	\$13.37		
	==: 48.0	====== \$246	====== \$276	====== \$305	\$334	\$363	Low yield	
Yields	58.0 II	\$280	\$315	\$350	\$386	·	Middle yield	
110100	68.0 II	\$383	\$424	\$465	\$507	•	High yield	

#### TABLE 2. RETURNS OVER TOTAL COSTS

		\$10.94	_	Prices \$12.15	\$12.76	\$13.37	
Yields	48.0 II 58.0 II 68.0 II	-\$264 -\$230 -\$127	 -\$234 -\$195 -\$86	-\$205 -\$160 -\$45	 -\$176 -\$124 -\$3	-\$89	Low yield Middle yield High yield

### 2024 Irrigated Canola Cost-Return Budget -----Southwest Kansas - MIDDLE YIELDS

Budget abstract

Gregg Ibendahl, Daniel O'Brien, Sarah Lancaster, Mike Stamm, and John Holman Date: Nov-01-2023 amount Sub-total your farm price quantity unit item **INCOME Product** Canola - South Central KS bu \$12.15 58.00 \$704.70 \$704.70 --TOTAL INCOME--\$704.70 **DIRECT EXPENSES** \$1.61 Additional labor \$26.25 Crop insurance \$33.21 \_\_\_\_\_ **Custom Operations** \$22.91 \_\_\_\_\_ Diesel **Fertilizers** \$111.15 Herbicides \$26.46 \_\_\_\_\_ Insecticides \$18.00 Irrigation energy (NG) ------\$21.57 \$5.44 Irrigation labor \$9.07 Miscellaneous Operator labor \$10.89 \$22.03 \_\_\_\_\_ Repair & Maintenance ------\$32.00 \_\_\_\_\_ Seeds \$13.62 Interest on operating capital 8% percent on direct expenses --TOTAL DIRECT EXPENSES--\$354.21 -----Total direct expenses per bu \$6.11 FIXED EXPENSES Cash rent \$195.00 \_\_\_\_\_ Capital recovery (depreciation + interest) \$314.99 --TOTAL FIXED EXPENSES--\$509.99 -----Total expenses per bu \$14.9 =======

8 acre-inches of water applied
300 foot well depth
\$ 2.7 fuel cost per acre-inch of water applied
.71 Mcf of natural gas per acre-inch of water applied
\$ 3.78 per Mcf for cost of natural gas
5.71 Mcf of fuel used in total

RETURNS ABOVE DIRECT EXPENSES

RETURNS ABOVE TOTAL SPECIFIED EXPENSES

\$350.49

-\$159.50

Date: Nov-01-2023

item		unit	price	quantity	amount	Sub-total	your farm
INCOME			•				
Product							
Canola - South	Central KS	bu	\$12.15	58.00	\$704.70	\$704.70	
TOTAL INCOME						\$704.70	
DIRECT EXPENSES							
Additional labor							
					\$0.27		
Planting					\$0.27		
Spraying					\$0.40	\$1.61	
оргаунту					ψυ.+υ	Ψ1.01	
Crop insurance							
					\$26.25	\$26.25	
Custom Operations							
-					\$18.18		
					\$15.03	\$33.21	
Diesel							
					\$1.68		
					\$6.75		
1.1 11					\$3.95		
Planting					\$2.88		
Spraying					\$3.23		
Tillage					\$4.43	\$22.91	
Fertilizers							
					¢40.15		
Pre-plant					\$49.15		
Nitrogen		lbs	\$0.65	145.00	\$93.96		
Phosphorus Potassium		lbs	\$0.64	27.00	\$17.19		
Lime		lbs lbs	\$0.00 \$0.00	0.00 0.00	\$0.00 \$0.00	\$111 15	
		1.50	φσ.σσ	0.00	φσ.σσ	Ψιιιισ	
Herbicides					<b></b>		
Burndown					\$9.27	<b>ቀ</b> ጋይ 46	
Post-emergence					\$17.19	<b>Φ20.40</b>	
Insecticides					<b>#</b> 40.00	<b>#</b> 40.00	
<b></b>					\$18.00	\$18.00	
Irrigation energy (NG)							
Irrigation					\$21.57	\$21.57	
Irrigation labor							
Irrigation					\$5.44	\$5.44	
Miscellaneous							
					\$9.07	\$9.07	
Operator labor							
					\$0.88		
Harvesting					\$2.45		
Hauling					\$2.45		
Planting					\$1.51		
Spraying					\$1.27		
Tillage					\$2.33	\$10.89	
Repair & Maintenance							
-					\$2.85		
Harvesting					\$7.04		
· · · · · · · · · · · · · · ·					Ψ. IO I		

Gregg Ibendahl, Daniel O'Brien, Sarah Lancaster, Mike Stamm, and John Holman Date: Nov-01-2023 unit price quantity amount Sub-total your farm item \$2.25 Hauling Irrigation \$2.88 \$2.60 Planting \$1.36 Spraying \$22.03 Tillage \$3.04 Seeds \$32.00 \$32.00 \_\_\_\_\_ 8% percent on direct expenses \$13.62 Interest on operating capital \$13.62 \_\_\_\_\_ --TOTAL DIRECT EXPENSES--\$354.21 -----Total direct expenses per bu \$6.11

FIXED EXPENSES

Cash rent ----- \$195.00 \$195.00

Capital recovery (depreciation + interest)

 Fertilizer application
 \$7.36

 Harvesting
 \$29.83

 Hauling
 \$9.31

 Irrigation
 \$234.04

 Planting
 \$9.45

 Spraying
 \$10.55

 Tillage
 \$14.46

5 5 \$314.99 \_\_\_\_\_

--TOTAL FIXED EXPENSES------Total expenses per bu \$14.9

\$509.99

RETURNS ABOVE DIRECT EXPENSES

\$350.49

RETURNS ABOVE TOTAL SPECIFIED EXPENSES

-\$159.50

8 acre-inches of water applied
300 foot well depth
\$ 2.7 fuel cost per acre-inch of water applied
.71 Mcf of natural gas per acre-inch of water applied
\$ 3.78 per Mcf for cost of natural gas
5.71 Mcf of fuel used in total

Date: Nov-01-2023

NCOME	tem	enegg nemaam, zamer e zmem, earam zameaeter, r	unit	price	quantity	amount	Sub-total	your farm
Canola - South Central KS								
Covt payments, indemnity payments, etc.	rioddol		bu	\$12.15	58.00	\$704.70	\$704.70	
Additional labor   Fertilizer application   Fertilizer application   Nutrient   Nut	Other	Govt payments, indemnity payments, etc.						
Additional labor Fertilezer application Nutrient application_60 ft with Tractor(200-249hp)CB hour \$15.00 0.02 \$0.27 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 0.03 \$0.40 \$1.61  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 Fertilizer application Nutrient applicator_60 ft with Tractor(200-249hp)CB gal \$3.95 0.42 \$1.68  Harvesting Header Wheat/Sorghum_25' Fligid with Combine (300-349) Grain Carl Mht/Scr_700 bu with Tractor(180-199hp)CB gal \$3.95 1.71 \$6.75  Haufung Grain Carl Jo.9' with Tractor(200-249hp)CB gal \$3.95 0.73 \$2.88 Sprayer 1000gal_100' 300hp with Sprayer 1000gal gal \$3.95 0.73 \$2.88 Sprayer 1000gal_100' 300hp with Sprayer 1000gal gal \$3.95 0.71 \$2.81 Tillage Disk Harrow, 32' with Tractor(200-249hp)CB gal \$3.95 0.71 \$2.81 Feltilizers Pre-plant Anhydrous   Ib \$0.41 70.00 \$28.35  MAP (11-52-0)   Ib \$0.40 \$52.00 \$20.80  Side-dressed Ammonium Thiosulfate   Ib \$0.17 100.00 \$17.00  LUAN2B   Ib \$0.40 \$52.00 \$20.80  Side-dressed Ammonium Thiosulfate   Ib \$0.17 100.00 \$17.00  LUAN2B   Ib \$0.40 \$52.00 \$20.80  Side-dressed Roundup PowerMax   02 \$0.29 \$3.20 \$9.27  Post-amerigence   Roundup PowerMax   02 \$0.39 \$44.00 \$17.19 \$26.46   Insecticides		TOTAL INCOME					\$704.70	
Fertilizer application								
Nutrient applicator								
Carian Drill 30' with Tractor(200-249hp)CB   hour		Nutrient applicator_60 ft with Tractor(200-249hp)CB	hour	\$15.00	0.02	\$0.27		
Sprayer 1000gal 100'300hp with Sprayer 1000gal   hour \$15.00   0.03   \$0.40   \$1.61		_	hour	\$15.00	0.06	\$0.94		
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 Fertilizer application Nutrient application 60 ft with Tractor(200-249hp)CB gal \$3.95 0.42 \$1.68   Harvesting Header Wheat/Sorghum_25' Fligid with Combine (300-349 gal \$3.95 1.71 \$6.75   Hauling Grain Cart Whtt/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 0.82 \$3.23   Tillage Disk Harrow_32' with Tractor(200-249hp)CB gal \$3.95 0.71 \$2.81   Field Cultivate Fid_42' with Tractor(200-249hp)CB gal \$3.95 0.71 \$2.81   Field Cultivate Fid_42' with Tractor(200-249hp)CB gal \$3.95 0.71 \$2.81   Field Cultivate Fid_42' with Tractor(200-249hp)CB gal \$3.95 0.41 \$1.63 \$22.91    Fertilizers Pre-plant Anhydrous   Ib \$0.41 70.00 \$28.35   MAP (11-52-0)   Ib \$0.40 \$52.00 \$20.80   Side-dressed Ammonium Thiosulfate   Ib \$0.17 100.00 \$17.00   UAN28   UAN28	Spra	-	hour	\$15.00	0.03	\$0.40	\$1.61	
Custom Operations Fertilizer application Application of Anhydrous Ammonia Application of Anhydrous Ammonia Application of Anhydrous Ammonia Application of Anhydrous Ammonia 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 Fertilizer application Nutrient applicator_60 ft with Tractor(200-249hp)CB Harvesting Header Wheat/Sorghum_25' Figid 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 0.82 \$3.23 Tillage Disk Harrow. 32' with Tractor(200-249hp)CB gal \$3.95 0.71 \$2.81 Field Cultivate Fid_42' with Tractor(200-249hp)CB gal \$3.95 0.71 \$2.81 Fertilizers Pre-plant Anhydrous Ib \$0.41 70.00 \$28.35 MAP (11-52-0) Ib \$0.40 \$2.00 \$20.80 Side-dressed Ammonium Thiosulfate UAN28 ACTUAL POUNDS - 145 Ib - N, 27 Ib - P, 0 Ib - K  Herbicicles Bumdown Gramoxone SL Oz \$0.29 32.00 \$9.27 Post-emergence Foundup PowerMax Oz \$0.39 44.00 \$17.19 \$26.46	Crop ins	surance						
Fertilizer application of Anhydrous Ammonia   acre   \$18.18   1.00   \$18.18		Canola_SC_Dry	acre	\$26.25	1.00	\$26.25	\$26.25	
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   Fertilizer application   Nutrient applicator_60 ft with Tractor(200-249hp)CB   gal   \$3.95   0.42   \$1.68   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   1.71   \$6.75   Hauling   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   0.73   \$2.81   Spraying   Sprayer 1000gal _100' 300hp with Sprayer 1000gal   gal   \$3.95   0.71   \$2.81   Field Cultivate Fid_42' with Tractor(200-249hp)CB   gal   \$3.95   0.71   \$2.81   \$1.63   \$22.91	Ferti	• •	acre	\$18.18	1.00	\$18.18		
Diese	Hay							
Fertilizer application		Swathing and Conditioning	acre	\$15.03	1.00	\$15.03	\$33.21	
Nutrient applicator_60 ft with Tractor(200-249hp)CB   gal   \$3.95   0.42   \$1.68	Diesel							
Harvesting	Ferti					4		
Header Wheat/Sorghum_25' Rigid with Combine (300-349 gal \$3.95 1.71 \$6.75	Harv		gal	\$3.95	0.42	\$1.68		
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   0.82   \$3.23     Tillage		Header Wheat/Sorghum_25' Rigid with Combine (300-349	gal	\$3.95	1.71	\$6.75		
Grain Drill_30' with Tractor(200-249hp)CB   gal   \$3.95   0.73   \$2.88		Grain Cart Wht/Sor_700 bu with Tractor(180-199hp)CB	gal	\$3.95	1.00	\$3.95		
Spraying   Sprayer 1000gal_100' 300hp with Sprayer 1000gal   gal   \$3.95   0.82   \$3.23     Tillage	Plan	-	nal	\$3.95	0.73	\$2 88		
Tillage     Disk Harrow_32' with Tractor(200-249hp)CB	Spra		gui	ψ0.00	0.70	Ψ2.00		
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   \$22.91     Fertilizers     Pre-plant	<b>T</b> 'U -		gal	\$3.95	0.82	\$3.23		
Fertilizers Pre-plant Anhydrous Ib \$0.41 70.00 \$28.35 MAP (11-52-0) Side-dressed Ammonium Thiosulfate UAN28 Herbicides Burndown Gramoxone SL Post-emergence Roundup PowerMax  Insecticides  Insecticides  Fertilizers  gal \$3.95 0.41 \$1.63 \$22.91  \$28.35  \$1.00 \$20.80  \$111.15 \$	Tilla		gal	\$3.95	0.71	\$2.81		
Pre-plant         Anhydrous       Ib       \$0.41       70.00       \$28.35         MAP (11-52-0)       Ib       \$0.40       52.00       \$20.80         Side-dressed         Ammonium Thiosulfate       Ib       \$0.17       100.00       \$17.00         UAN28       Ib       \$0.18       250.00       \$45.00       \$111.15         ACTUAL POUNDS - 145 lb - N, 27 lb - P, 0 lb - K    Herbicides Burndown Gramoxone SL Gramoxone SL Post-emergence Roundup PowerMax Oz \$0.29 32.00 \$9.27 Post-emergence Roundup PowerMax Oz \$0.39 44.00 \$17.19 \$26.46 Insecticides					0.41		\$22.91	
Anhydrous   Ib								
MAP (11-52-0)	Pre-	•	lh	<b>ድ</b> ቦ 41	70.00	<u></u>		
Side-dressed		-		1				
UAN28   Ib \$0.18 250.00 \$45.00 \$111.15 ACTUAL POUNDS - 145 lb - N, 27 lb - P, 0 lb - K  Herbicides Burndown Gramoxone SL Post-emergence Roundup PowerMax Oz \$0.29 32.00 \$9.27 Post-emergence Roundup PowerMax Oz \$0.39 44.00 \$17.19 \$26.46  Insecticides	Side	,						
ACTUAL POUNDS - 145 lb - N, 27 lb - P, 0 lb - K  Herbicides  Burndown  Gramoxone SL  Post-emergence  Roundup PowerMax  Oz \$0.29 32.00 \$9.27  Oz \$0.39 44.00 \$17.19 \$26.46  Insecticides						•	\$111.15	
Burndown Gramoxone SL Post-emergence Roundup PowerMax Oz S0.29 S0.29 S0.29 S1.00 S9.27 Post-emergence Foundup PowerMax Oz S0.39 S1.19 S26.46 Insecticides				•		<b>¥</b> 10100	*******	
Burndown Gramoxone SL Post-emergence Roundup PowerMax Oz S0.29 S0.29 S0.29 S1.00 S9.27 Post-emergence Foundup PowerMax Oz S0.39 S1.19 S26.46 Insecticides	Herbicid	les						
Post-emergence Roundup PowerMax oz \$0.39 44.00 \$17.19 \$26.46  Insecticides								
Roundup PowerMax oz \$0.39 44.00 \$17.19 \$26.46  Insecticides	_		OZ	\$0.29	32.00	\$9.27		
<del></del>	Post	-	oz	\$0.39	44.00	\$17.19	\$26.46	
	Insectici	des						
Transform WG 0Z \$8.00 1.00 \$8.00		Transform WG	OZ	\$8.00	1.00	\$8.00		

Date: Nov-01-2023 unit amount Sub-total your farm item price quantity \$2.50 \$10.00 4.00 \$18.00 \_\_\_\_\_ Warrior II/Zeon ΟZ Irrigation energy (NG) Irrigation \$2.70 8.00 \$21.57 \$21.57 Well, pump, and gearhead ac-in Irrigation labor Irrigation \$5.44 \_\_\_\_\_ \$17.00 0.32 \$5.44 Well, pump, and gearhead hour Miscellaneous \$9.07 Canola\_SC\_Dry \$9.07 1.00 \$9.07 acre Operator labor Fertilizer application \$20.00 0.04 \$0.88 Nutrient applicator\_60 ft with Tractor(200-249hp)CB hour 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 \$20.00 0.12 \$2.45 hour Planting Grain Drill\_30' with Tractor(200-249hp)CB hour \$20.00 80.0 \$1.51 Spraying Sprayer 1000gal\_100' 300hp with Sprayer 1000gal \$20.00 0.06 \$1.27 hour Tillage Disk Harrow\_32' with Tractor(200-249hp)CB \$20.00 0.07 \$1.47 hour \$10.89 \_\_\_\_\_ \$0.85 Field Cultivate Fld\_42' with Tractor(200-249hp)CB hour \$20.00 0.04 Repair & Maintenance Fertilizer application \$155.70 0.02 \$2.85 Nutrient applicator\_60 ft with Tractor(200-249hp)CB hour Harvesting \$7.04 Header Wheat/Sorghum\_25' Rigid with Combine (300-349 hour \$68.95 0.10 Hauling Grain Cart Wht/Sor\_700 bu with Tractor(180-199hp)CB \$22.08 \$2.25 0.10 hour Irrigation Well, pump, and gearhead \$0.36 8.00 \$2.88 ac-in Grain Drill\_30' with Tractor(200-249hp)CB 0.06 \$2.60 \$41.29 hour Spraying Sprayer 1000gal\_100' 300hp with Sprayer 1000gal \$128.30 0.01 \$1.36 hour \$2.02 Disk Harrow\_32' with Tractor(200-249hp)CB \$32.99 0.06 \$1.02 Field Cultivate Fld\_42' with Tractor(200-249hp)CB \$28.65 0.04 \$22.03 hour Seeds \$32.00 \_\_\_\_\_ \$8.00 \$32.00 Canola - Roundup Ready lb 4.00 8% percent on direct expenses \$13.62 Interest on operating capital \$13.62 --TOTAL DIRECT EXPENSES--\$354.21 -----Total direct expenses per bu \$6.11 **FIXED EXPENSES** Cash rent All crops\_SC\_Irr \$195.00 1.00 \$195.00 \$195.00 \_\_\_\_\_ acre

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

Capital recovery (depreciation + interest)

Gregg Ibendahl, Daniel O'Brien, Sarah Lancaster,	Mike St	amm, and J	ohn Holman		Date:	Nov-01-2023
item	unit	price	quantity	amount	Sub-total	your farm
Fertilizer application						
Nutrient applicator_60 ft with Tractor(200-249hp)CB Harvesting	hour	\$401.32	0.02	\$7.36		
Header Wheat/Sorghum_25' Rigid with Combine (300-349	hour	\$291.96	0.10	\$29.83		
Hauling	11001	Ψ201100	00	Ψ20.00		
Grain Cart Wht/Sor_700 bu with Tractor(180-199hp)CB	hour	\$91.12	0.10	\$9.31		
Irrigation						
Irrigation - Center Pivot	acre	\$89.25	1.00	\$89.25		
Power unit	acre	\$31.29	1.00	\$31.29		
Well, pump, and gearhead	acre	\$113.49	1.00	\$113.49		
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	\$997.76	0.01	\$10.55		
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	\$314.99	
TOTAL FIXED EXPENSES					\$509.99	
Total expenses per bu \$14.9					·	
RETURNS ABOVE DIRECT EXPENSES					\$350.49	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES					-\$159.50	

8 acre-inches of water applied
300 foot well depth
\$ 2.7 fuel cost per acre-inch of water applied
.71 Mcf of natural gas per acre-inch of water applied
\$ 3.78 per Mcf for cost of natural gas
5.71 Mcf of fuel used in total

# 2024 Irrigated Canola Cost-Return Budget -----Southwest 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
INCOME		-				_
Product						
Canola - South Central KS	bu	\$12.15	48.00	\$583.20	\$583.20	
TOTAL INCOME					\$583.20	
DIRECT EXPENSES						
Additional labor					\$1.61	
Crop insurance					\$26.25	
Custom Operations					\$0.00	
Diesel					\$22.91	<del></del> -
Fertilizers					\$91.99	
Herbicides					\$26.46	
Insecticides						
Irrigation energy (NG)						
Irrigation labor					\$2.72	
Miscellaneous						
Operator labor						
Repair & Maintenance						
Seeds						
Interest on operating capital	8% pe	rcent on d	lirect expense	es	\$10.71	
TOTAL DIRECT EXPENSESTotal direct expenses per bu \$5.8					\$278.46	
FIXED EXPENSES						
Cash rent					\$195.00	
Capital recovery (depreciation + interest)					\$314.99	
TOTAL FIXED EXPENSESTotal expenses per bu \$16.43					\$509.99	
					=======	
RETURNS ABOVE DIRECT EXPENSES					\$304.74	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES					-\$205.25	

4 acre-inches of water applied 300 foot well depth \$ 2.7 fuel cost per acre-inch of water applied .71 Mcf of natural gas per acre-inch of water applied \$ 3.78 per Mcf for cost of natural gas 2.85 Mcf of fuel used in total

## 2024 Irrigated Canola Cost-Return Budget -----Southwest Kansas - HIGH YIELDS

Budget abstract

Gregg Ibendahl, Daniel O'Brien, Sarah Lanc	aster, Mike Sta	mm, and J	ionn Hoiman		Date	e: Nov-01-202
item	unit	price	quantity	amount	Sub-total	your farm
INCOME						
Product						
Canola - South Central KS	bu	\$12.15	68.00	\$826.20	\$826.20	
TOTAL INCOME					\$826.20	
DIRECT EXPENSES						
Additional labor					\$1.61	
Crop insurance					\$26.25	
Custom Operations					\$0.00	
Diesel					\$22.91	
Fertilizers					\$130.31	
Herbicides					\$26.46	
Insecticides					\$18.00	
Irrigation energy (NG)						
Irrigation labor						
Miscellaneous						
Operator labor						
Repair & Maintenance					\$23.47	
Seeds						
Interest on operating capital	8% pe	rcent on d	lirect expens	es	\$13.88	
TOTAL DIRECT EXPENSESTotal direct expenses per bu \$5.31					\$360.88	
FIXED EXPENSES  Cash rent					\$195.00	
Capital recovery (depreciation + interest)						
TOTAL FIXED EXPENSESTotal expenses per bu \$12.81					\$509.99	
RETURNS ABOVE DIRECT EXPENSES					\$465.32	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES					-\$44.67	

12 acre-inches of water applied 300 foot well depth \$ 2.7 fuel cost per acre-inch of water applied .71 Mcf of natural gas per acre-inch of water applied \$ 3.78 per Mcf for cost of natural gas 8.56 Mcf of fuel used in total