

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).

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					
		\$17.10	\$18.05	\$19.00	\$19.95	\$20.90	
		=====					
	9.0 ll	\$10	\$18	\$27	\$35	\$44	Low yield
Yields	10.0 ll	\$20	\$29	\$39	\$48	\$58	Middle yield
	12.0 ll	\$40	\$52	\$63	\$75	\$86	High yield

TABLE 2. RETURNS OVER TOTAL COSTS

		Prices					
		\$17.10	\$18.05	\$19.00	\$19.95	\$20.90	
		=====					
	9.0 ll	-\$130	-\$121	-\$113	-\$104	-\$96	Low yield
Yields	10.0 ll	-\$120	-\$110	-\$101	-\$91	-\$82	Middle yield
	12.0 ll	-\$99	-\$88	-\$76	-\$65	-\$54	High yield

2024 Oil-Type Sunflowers Cost-Return Budget (Dryland Double-Crop)

-----Central and Eastern KS - MIDDLE YIELDS

Gregg Ibendahl, Daniel O'Brien, Sarah Lancaster, and Stewart Duncan

Budget abstract

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
INCOME						
Product						
Sunflower (oil-type) - Central and Eastern	cwt	\$19.00	10.00	\$190.00	\$190.00	_____

--TOTAL INCOME--					\$190.00	_____
DIRECT EXPENSES						
Additional labor	-----				\$1.67	_____
Diesel	-----				\$14.89	_____
Fertilizers	-----				\$27.32	_____
Herbicides	-----				\$21.58	_____
Insecticides	-----				\$10.54	_____
Miscellaneous	-----				\$7.26	_____
Operator labor	-----				\$7.74	_____
Repair & Maintenance	-----				\$15.86	_____
Seeds	-----				\$38.50	_____
Interest on operating capital		8% percent on direct expenses			\$5.81	_____

--TOTAL DIRECT EXPENSES--					\$151.17	
-----Total direct expenses per cwt \$15.12						
FIXED EXPENSES						
Cash rent	-----				\$77.00	_____
Capital recovery (depreciation + interest)	-----				\$62.62	_____

--TOTAL FIXED EXPENSES--					\$139.62	
-----Total expenses per cwt \$29.08						
RETURNS ABOVE DIRECT EXPENSES					\$38.83	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES					-\$100.78	

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-----Central and Eastern KS - MIDDLE YIELDS

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Summary page(s)

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
INCOME						
Product						
Sunflower (oil-type) - Central and Eastern	cwt	\$19.00	10.00	\$190.00	\$190.00	_____

--TOTAL INCOME--					\$190.00	_____
DIRECT EXPENSES						
Additional labor						
Fertilizer application				\$0.63		
Planting				\$0.74		
Spraying				\$0.30	\$1.67	_____
Diesel						
Fertilizer application				\$1.63		
Harvesting				\$6.88		
Hauling				\$2.47		
Planting				\$1.90		
Spraying				\$2.02	\$14.89	_____
Fertilizers						
Nitrogen	lbs	\$0.64	33.00	\$21.04		
Phosphorus	lbs	\$0.63	10.00	\$6.28		
Potassium	lbs	\$0.00	0.00	\$0.00		
Lime	lbs	\$0.00	0.00	\$0.00	\$27.32	_____
Herbicides						
Post-emergence				\$11.22		
Pre-emergence				\$10.36	\$21.58	_____
Insecticides						
-----				\$10.54	\$10.54	_____
Miscellaneous						
-----				\$7.26	\$7.26	_____
Operator labor						
Fertilizer application				\$1.01		
Harvesting				\$3.07		
Hauling				\$1.53		
Planting				\$1.18		
Spraying				\$0.95	\$7.74	_____
Repair & Maintenance						
Fertilizer application				\$0.68		
Harvesting				\$10.18		
Hauling				\$1.41		
Planting				\$2.97		
Spraying				\$0.62	\$15.86	_____
Seeds						
-----				\$38.50	\$38.50	_____
Interest on operating capital		8% percent on direct expenses		\$5.81	\$5.81	_____

--TOTAL DIRECT EXPENSES--					\$151.17	
-----Total direct expenses per cwt \$15.12						
FIXED EXPENSES						
Cash rent				\$77.00	\$77.00	_____

2024 Oil-Type Sunflowers Cost-Return Budget (Dryland Double-Crop)

-----Central and Eastern KS - MIDDLE YIELDS

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Summary page(s)

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
Capital recovery (depreciation + interest)						
Fertilizer application -----				\$3.40		
Harvesting -----				\$39.56		
Hauling -----				\$5.82		
Planting -----				\$9.01		
Spraying -----				\$4.82	\$62.62	_____
--TOTAL FIXED EXPENSES--					\$139.62	
-----Total expenses per cwt \$29.08						
RETURNS ABOVE DIRECT EXPENSES					\$38.83	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES					-\$100.78	

2024 Oil-Type Sunflowers Cost-Return Budget (Dryland Double-Crop)

-----Central and Eastern KS - MIDDLE YIELDS

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Detailed budget page(s)

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
INCOME						
Product						
Sunflower (oil-type) - Central and Eastern	cwt	\$19.00	10.00	\$190.00	\$190.00	_____
Other						
Govt payments, indemnity payments, etc.					-----	_____
--TOTAL INCOME--					\$190.00	_____
DIRECT EXPENSES						
Additional labor						
Fertilizer application						
Spin Spreader_5 ton with Tractor(180-199hp)CB	hour	\$15.00	0.04	\$0.63		
Planting						
NT Plant-Folding_16R-30 with Tractor(180-199hp)CB	hour	\$15.00	0.05	\$0.74		
Spraying						
Sprayer 800gal_80' 250hp with Sprayer 800gal	hour	\$15.00	0.02	\$0.30	\$1.67	_____
Diesel						
Fertilizer application						
Spin Spreader_5 ton with Tractor(180-199hp)CB	gal	\$3.95	0.41	\$1.63		
Harvesting						
Header - Corn_8R-30 with Combine (250-299 hp)	gal	\$3.95	1.74	\$6.88		
Hauling						
Grain Cart Corn_700 bu with Tractor(180-199hp)CB	gal	\$3.95	0.62	\$2.47		
Planting						
NT Plant-Folding_16R-30 with Tractor(180-199hp)CB	gal	\$3.95	0.48	\$1.90		
Spraying						
Sprayer 800gal_80' 250hp with Sprayer 800gal	gal	\$3.95	0.51	\$2.02	\$14.89	_____
Fertilizers						
Pre-plant						
MAP (11-52-0)	lb	\$0.40	19.00	\$7.60		
Urea	lb	\$0.29	68.00	\$19.72	\$27.32	_____
- - - ACTUAL POUNDS - 33 lb - N, 10 lb - P, 0 lb - K						
Herbicides						
Post-emergence						
Select Max	oz	\$0.94	12.00	\$11.22		
Pre-emergence						
Glyphosate	oz	\$0.43	24.00	\$10.36	\$21.58	_____
Insecticides						

Warrior 1EC	oz	\$3.51	3.00	\$10.54	\$10.54	_____
Miscellaneous						

Combined areas of state	acre	\$7.26	1.00	\$7.26	\$7.26	_____
Operator labor						
Fertilizer application						
Spin Spreader_5 ton with Tractor(180-199hp)CB	hour	\$20.00	0.05	\$1.01		
Harvesting						
Header - Corn_8R-30 with Combine (250-299 hp)	hour	\$20.00	0.15	\$3.07		
Hauling						
Grain Cart Corn_700 bu with Tractor(180-199hp)CB	hour	\$20.00	0.08	\$1.53		
Planting						
NT Plant-Folding_16R-30 with Tractor(180-199hp)CB	hour	\$20.00	0.06	\$1.18		
Spraying						
Sprayer 800gal_80' 250hp with Sprayer 800gal	hour	\$20.00	0.05	\$0.95	\$7.74	_____

2024 Oil-Type Sunflowers Cost-Return Budget (Dryland Double-Crop)

-----Central and Eastern KS - MIDDLE YIELDS

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Detailed budget page(s)

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
Repair & Maintenance						
Fertilizer application						
Spin Spreader_5 ton with Tractor(180-199hp)CB	Hour	\$16.26	0.04	\$0.68		
Harvesting						
Header - Corn_8R-30 with Combine (250-299 hp)	Hour	\$79.73	0.13	\$10.18		
Hauling						
Grain Cart Corn_700 bu with Tractor(180-199hp)CB	Hour	\$11.04	0.13	\$1.41		
Planting						
NT Plant-Folding_16R-30 with Tractor(180-199hp)CB	Hour	\$60.45	0.05	\$2.97		
Spraying						
Sprayer 800gal_80' 250hp with Sprayer 800gal	Hour	\$46.93	0.01	\$0.62	\$15.86	_____
Seeds						

Sunflowers - Oil-Type	1K seeds	\$1.75	22.00	\$38.50	\$38.50	_____
Interest on operating capital	8% percent on direct expenses			\$5.81	\$5.81	_____
--TOTAL DIRECT EXPENSES--					\$151.17	
-----Total direct expenses per cwt \$15.12						
FIXED EXPENSES						
Cash rent						

Cash rent (ave) - state average - dryland	acre	\$77.00	1.00	\$77.00	\$77.00	_____
Capital recovery (depreciation + interest)						
Fertilizer application						
Spin Spreader_5 ton with Tractor(180-199hp)CB	Hour	\$80.74	0.04	\$3.40		
Harvesting						
Header - Corn_8R-30 with Combine (250-299 hp)	Hour	\$309.78	0.13	\$39.56		
Hauling						
Grain Cart Corn_700 bu with Tractor(180-199hp)CB	Hour	\$45.56	0.13	\$5.82		
Planting						
NT Plant-Folding_16R-30 with Tractor(180-199hp)CB	Hour	\$183.54	0.05	\$9.01		
Spraying						
Sprayer 800gal_80' 250hp with Sprayer 800gal	Hour	\$364.94	0.01	\$4.82	\$62.62	_____
--TOTAL FIXED EXPENSES--					\$139.62	
-----Total expenses per cwt \$29.08						
RETURNS ABOVE DIRECT EXPENSES					\$38.83	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES					-\$100.78	

2024 Oil-Type Sunflowers Cost-Return Budget (Dryland Double-Crop)

-----Central and Eastern KS - LOW YIELDS

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Budget abstract

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
INCOME						
Product						
Sunflower (oil-type) - Central and Eastern	cwt	\$19.00	9.00	\$171.00	\$171.00	_____

--TOTAL INCOME--					\$171.00	_____
DIRECT EXPENSES						
Additional labor	-----				\$1.67	_____
Diesel	-----				\$14.89	_____
Fertilizers	-----				\$24.59	_____
Herbicides	-----				\$21.58	_____
Insecticides	-----				\$10.54	_____
Miscellaneous	-----				\$7.26	_____
Operator labor	-----				\$7.74	_____
Repair & Maintenance	-----				\$15.86	_____
Seeds	-----				\$34.65	_____
Interest on operating capital		8% percent on direct expenses			\$5.55	_____

--TOTAL DIRECT EXPENSES--					\$144.32	
-----Total direct expenses per cwt \$16.04						
FIXED EXPENSES						
Cash rent	-----				\$77.00	_____
Capital recovery (depreciation + interest)	-----				\$62.62	_____

--TOTAL FIXED EXPENSES--					\$139.62	
-----Total expenses per cwt \$31.55						
RETURNS ABOVE DIRECT EXPENSES					\$26.68	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES					-\$112.94	

2024 Oil-Type Sunflowers Cost-Return Budget (Dryland Double-Crop)

-----Central and Eastern KS - HIGH YIELDS

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Budget abstract

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
INCOME						
Product						
Sunflower (oil-type) - Central and Eastern	cwt	\$19.00	12.00	\$228.00	\$228.00	_____

--TOTAL INCOME--					\$228.00	_____
DIRECT EXPENSES						
Additional labor	-----				\$1.67	_____
Diesel	-----				\$14.89	_____
Fertilizers	-----				\$32.78	_____
Herbicides	-----				\$21.58	_____
Insecticides	-----				\$10.54	_____
Miscellaneous	-----				\$7.26	_____
Operator labor	-----				\$7.74	_____
Repair & Maintenance	-----				\$15.86	_____
Seeds	-----				\$46.20	_____
Interest on operating capital		8% percent on direct expenses			\$6.34	_____

--TOTAL DIRECT EXPENSES--					\$164.86	
-----Total direct expenses per cwt \$13.74						
FIXED EXPENSES						
Cash rent	-----				\$77.00	_____
Capital recovery (depreciation + interest)	-----				\$62.62	_____

--TOTAL FIXED EXPENSES--					\$139.62	
-----Total expenses per cwt \$25.37						
RETURNS ABOVE DIRECT EXPENSES					\$63.14	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES					-\$76.47	