

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					
		\$0.72	\$0.76	\$0.80	\$0.84	\$0.88	
		=====					
	760.0 lb	\$280	\$318	\$356	\$394	\$432	Low yield
Yields	950.0 lb	\$246	\$293	\$341	\$389	\$436	Middle yield
	1045.0 lb	\$485	\$537	\$590	\$642	\$694	High yield

TABLE 2. RETURNS OVER TOTAL COSTS

		Prices					
		\$0.72	\$0.76	\$0.80	\$0.84	\$0.88	
		=====					
	760.0 lb	\$63	\$101	\$140	\$178	\$216	Low yield
Yields	950.0 lb	\$29	\$77	\$124	\$172	\$220	Middle yield
	1045.0 lb	\$268	\$321	\$373	\$425	\$478	High yield

2024 Cotton Cost-Return Budget (Dryland)

-----Southeast KS - MIDDLE YIELDS

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

Budget abstract

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
INCOME						
Product						
Cotton - South Central KS	lb	\$0.80	950.00	\$760.00	\$952.30	_____

--TOTAL INCOME--					\$952.30	_____
DIRECT EXPENSES						
					\$0.00	_____
Additional labor					\$4.26	_____
Crop consulting					\$11.65	_____
Crop insurance					\$23.35	_____
Custom Operations					\$164.21	_____
Diesel					\$27.45	_____
Fertilizers					\$81.20	_____
Herbicides					\$76.55	_____
Insecticides					\$2.13	_____
Miscellaneous					\$70.16	_____
Operator labor					\$9.42	_____
Repair & Maintenance					\$31.45	_____
Seeds					\$86.00	_____
Interest on operating capital		8% percent on direct expenses			\$23.51	_____

--TOTAL DIRECT EXPENSES--					\$611.34	_____
-----Total direct expenses per lb		\$0.27				
FIXED EXPENSES						
Cash rent					\$69.00	_____
Capital recovery (depreciation + interest)					\$147.57	_____

--TOTAL FIXED EXPENSES--					\$216.57	_____
-----Total expenses per lb		\$0.37				
RETURNS ABOVE DIRECT EXPENSES					=====	
					\$340.96	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES						
					\$124.39	

2024 Cotton Cost-Return Budget (Dryland)

-----Southeast KS - MIDDLE YIELDS

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

Summary page(s)

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
INCOME						
Product						
Cotton - South Central KS	lb	\$0.80	950.00	\$760.00	\$952.30	_____

--TOTAL INCOME--					\$952.30	_____
DIRECT EXPENSES						
-----	-----			\$0.00	\$0.00	_____
Additional labor						
Fertilizer application	-----			\$0.14		
Harvesting	-----			\$2.58		
Planting	-----			\$0.74		
Spraying	-----			\$0.79	\$4.26	_____
Crop consulting						
-----	-----			\$11.65	\$11.65	_____
Crop insurance						
-----	-----			\$23.35	\$23.35	_____
Custom Operations						
Fertilizer application	-----			\$18.18		
Harvesting	-----			\$146.03	\$164.21	_____
Diesel						
Fertilizer application	-----			\$0.84		
Harvesting	-----			\$17.52		
Planting	-----			\$1.92		
Spraying	-----			\$5.38		
Tillage	-----			\$1.80	\$27.45	_____
Fertilizers						
Nitrogen	lbs	\$0.50	96.00	\$48.23		
Phosphorus	lbs	\$0.63	28.00	\$17.52		
Potassium	lbs	\$0.43	36.00	\$15.45		
Lime	lbs	\$0.00	0.00	\$0.00	\$81.20	_____
Herbicides						
-----	-----			\$40.57		
Burndown	-----			\$12.01		
Pre-emergence	-----			\$23.97	\$76.55	_____
Insecticides						
-----	-----			\$2.13	\$2.13	_____
Miscellaneous						
-----	-----			\$70.16	\$70.16	_____
Operator labor						
Fertilizer application	-----			\$0.44		
Harvesting	-----			\$4.14		
Planting	-----			\$1.19		
Spraying	-----			\$2.54		
Tillage	-----			\$1.12	\$9.42	_____
Repair & Maintenance						
Fertilizer application	-----			\$1.43		
Harvesting	-----			\$25.23		
Planting	-----			\$2.07		

2024 Cotton Cost-Return Budget (Dryland)

-----Southeast KS - MIDDLE YIELDS

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Summary page(s)

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
Spraying	-----			\$1.65		
Tillage	-----			\$1.07	\$31.45	_____
Seeds	-----			\$86.00	\$86.00	_____
Interest on operating capital	8% percent on direct expenses			\$23.51	\$23.51	_____
--TOTAL DIRECT EXPENSES--					\$611.34	
-----Total direct expenses per lb \$.27						
FIXED EXPENSES						
Cash rent	-----			\$69.00	\$69.00	_____
Capital recovery (depreciation + interest)						
Fertilizer application	-----			\$3.68		
Harvesting	-----			\$117.71		
Planting	-----			\$6.94		
Spraying	-----			\$12.87		
Tillage	-----			\$6.38	\$147.57	_____
--TOTAL FIXED EXPENSES--					\$216.57	
-----Total expenses per lb \$.37						
RETURNS ABOVE DIRECT EXPENSES					=====	\$340.96
RETURNS ABOVE TOTAL SPECIFIED EXPENSES						\$124.39

2024 Cotton Cost-Return Budget (Dryland)

-----Southeast KS - MIDDLE YIELDS

Detailed budget page(s)

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

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
INCOME						
Product						
Cotton - South Central KS	lb	\$0.80	950.00	\$760.00		
Cotton seed - South Central KS	lb	\$0.15	1282.00	\$192.30	\$952.30	_____
Other						
Govt payments, indemnity payments, etc.						_____
--TOTAL INCOME--					\$952.30	_____
DIRECT EXPENSES						

		\$0.00	0.00	\$0.00	\$0.00	_____
Additional labor						
Fertilizer application						
Nutrient applicator_60 ft with Tractor(200-249hp)CB	hour	\$15.00	0.01	\$0.14		
Harvesting						
Cotton Picker/Module_6R-38(500) with Cotton	hour	\$15.00	0.17	\$2.58		
Planting						
Plant - Folding_12R-38 with Tractor(180-199hp)CB	hour	\$15.00	0.05	\$0.74		
Spraying						
Sprayer 800gal_80' 250hp with Sprayer 800gal	hour	\$15.00	0.05	\$0.79	\$4.26	_____
Crop consulting						

Cotton_SC_Dry	acre	\$11.65	1.00	\$11.65	\$11.65	_____
Crop insurance						

Cotton_SC_Dry	acre	\$23.35	1.00	\$23.35	\$23.35	_____
Custom Operations						
Fertilizer application						
Application of Anhydrous Ammonia	acre	\$18.18	1.00	\$18.18		
Harvesting						
Ginning	lb	\$0.15	950.00	\$146.03	\$164.21	_____
Diesel						
Fertilizer application						
Nutrient applicator_60 ft with Tractor(200-249hp)CB	gal	\$3.95	0.21	\$0.84		
Harvesting						
Cotton Picker/Module_6R-38(500) with Cotton	gal	\$3.95	4.43	\$17.52		
Planting						
Plant - Folding_12R-38 with Tractor(180-199hp)CB	gal	\$3.95	0.49	\$1.92		
Spraying						
Sprayer 800gal_80' 250hp with Sprayer 800gal	gal	\$3.95	1.36	\$5.38		
Tillage						
Field Cultivate Fld_32' with Tractor(180-199hp)CB	gal	\$3.95	0.46	\$1.80	\$27.45	_____
Fertilizers						

Anhydrous	lb	\$0.41	110.00	\$44.55		
MAP (11-52-0)	lb	\$0.40	53.00	\$21.20		
Potash	lb	\$0.26	60.00	\$15.45	\$81.20	_____
- - - ACTUAL POUNDS - 96 lb - N, 28 lb - P, 36 lb - K						
Herbicides						

Cotton herbicides - additional	ac	\$40.57	1.00	\$40.57		

2024 Cotton Cost-Return Budget (Dryland)

-----Southeast KS - MIDDLE YIELDS

Detailed budget page(s)

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Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
Burndown						
Glyphosate	oz	\$0.43	16.00	\$6.91		
Karmex DF	oz	\$0.32	16.00	\$5.11		
Pre-emergence						
Glyphosate	oz	\$0.43	16.00	\$13.81		
Prowl H2O	oz	\$0.42	24.00	\$10.15	\$76.55	_____
Insecticides						
Orthene	lb	\$11.83	0.18	\$2.13	\$2.13	_____
Miscellaneous						
Cotton_SC_Dry	acre	\$30.84	1.00	\$30.84		
Growth regulator	acre	\$13.31	0.50	\$6.65		
Harvest aid	acre	\$16.33	2.00	\$32.66	\$70.16	_____
Operator labor						
Fertilizer application						
Nutrient applicator_60 ft with Tractor(200-249hp)CB	hour	\$20.00	0.02	\$0.44		
Harvesting						
Cotton Picker/Module_6R-38(500) with Cotton	hour	\$20.00	0.21	\$4.14		
Planting						
Plant - Folding_12R-38 with Tractor(180-199hp)CB	hour	\$20.00	0.06	\$1.19		
Spraying						
Sprayer 800gal_80' 250hp with Sprayer 800gal	hour	\$20.00	0.13	\$2.54		
Tillage						
Field Cultivate Fld_32' with Tractor(180-199hp)CB	hour	\$20.00	0.06	\$1.12	\$9.42	_____
Repair & Maintenance						
Fertilizer application						
Nutrient applicator_60 ft with Tractor(200-249hp)CB	Hour	\$77.85	0.02	\$1.43		
Harvesting						
Cotton Picker/Module_6R-38(500) with Cotton	Hour	\$146.41	0.17	\$25.23		
Planting						
Plant - Folding_12R-38 with Tractor(180-199hp)CB	Hour	\$41.77	0.05	\$2.07		
Spraying						
Sprayer 800gal_80' 250hp with Sprayer 800gal	Hour	\$125.14	0.01	\$1.65		
Tillage						
Field Cultivate Fld_32' with Tractor(180-199hp)CB	Hour	\$22.87	0.05	\$1.07	\$31.45	_____
Seeds						
Cotton - Roundup Ready	1K seeds	\$2.15	40.00	\$86.00	\$86.00	_____
Interest on operating capital						
				8% percent on direct expenses	\$23.51	\$23.51 _____
--TOTAL DIRECT EXPENSES--					\$611.34	
-----Total direct expenses per lb \$0.27						
FIXED EXPENSES						
Cash rent						
All crops_SE_Dry	acre	\$69.00	1.00	\$69.00	\$69.00	_____
Capital recovery (depreciation + interest)						
Fertilizer application						
Nutrient applicator_60 ft with Tractor(200-249hp)CB	Hour	\$200.66	0.02	\$3.68		
Harvesting						
Cotton Picker/Module_6R-38(500) with Cotton	Hour	\$683.12	0.17	\$117.71		
Planting						

2024 Cotton Cost-Return Budget (Dryland)

-----Southeast KS - MIDDLE YIELDS

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Detailed budget page(s)

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
Plant - Folding_12R-38 with Tractor(180-199hp)CB	Hour	\$139.81	0.05	\$6.94		
Spraying						
Sprayer 800gal_80' 250hp with Sprayer 800gal	Hour	\$973.18	0.01	\$12.87		
Tillage						
Field Cultivate Fld_32' with Tractor(180-199hp)CB	Hour	\$136.80	0.05	\$6.38	\$147.57	_____
--TOTAL FIXED EXPENSES--					\$216.57	
-----Total expenses per lb \$.37						
RETURNS ABOVE DIRECT EXPENSES					\$340.96	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES					\$124.39	

2024 Cotton Cost-Return Budget (Dryland)

-----Southeast KS - LOW YIELDS

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Budget abstract

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
INCOME						
Product						
Cotton - South Central KS	lb	\$0.80	760.00	\$608.00	\$761.90	_____

--TOTAL INCOME--					\$761.90	_____
DIRECT EXPENSES						
					\$0.00	_____
Additional labor					\$4.26	_____
Crop consulting					\$11.65	_____
Crop insurance					\$23.35	_____
Custom Operations					\$0.00	_____
Diesel					\$27.45	_____
Fertilizers					\$64.96	_____
Herbicides					\$76.55	_____
Insecticides					\$2.13	_____
Miscellaneous					\$70.16	_____
Operator labor					\$9.42	_____
Repair & Maintenance					\$31.45	_____
Seeds					\$68.80	_____
Interest on operating capital		8% percent on direct expenses			\$15.61	_____

--TOTAL DIRECT EXPENSES--					\$405.79	_____
-----Total direct expenses per lb \$0.23						
FIXED EXPENSES						
Cash rent					\$69.00	_____
Capital recovery (depreciation + interest)					\$147.57	_____

--TOTAL FIXED EXPENSES--					\$216.57	_____
-----Total expenses per lb \$0.35						
RETURNS ABOVE DIRECT EXPENSES					=====	
					\$356.11	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES						
					\$139.54	

2024 Cotton Cost-Return Budget (Dryland)

-----Southeast KS - HIGH YIELDS

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

Budget abstract

Date: Nov-01-2023

item	unit	price	quantity	amount	Sub-total	your farm
INCOME						
Product						
Cotton - South Central KS	lb	\$0.80	1045.00	\$836.00	\$1,047.50	_____

--TOTAL INCOME--					\$1,047.50	_____
DIRECT EXPENSES						
					\$0.00	_____
Additional labor	-----				\$4.26	_____
Crop consulting	-----				\$11.65	_____
Crop insurance	-----				\$23.35	_____
Custom Operations	-----				\$0.00	_____
Diesel	-----				\$27.45	_____
Fertilizers	-----				\$89.32	_____
Herbicides	-----				\$76.55	_____
Insecticides	-----				\$2.13	_____
Miscellaneous	-----				\$70.16	_____
Operator labor	-----				\$9.42	_____
Repair & Maintenance	-----				\$31.45	_____
Seeds	-----				\$94.60	_____
Interest on operating capital	8% percent on direct expenses			\$17.61	_____	

--TOTAL DIRECT EXPENSES--					\$457.95	
-----Total direct expenses per lb \$.19						
FIXED EXPENSES						
Cash rent	-----				\$69.00	_____
Capital recovery (depreciation + interest)	-----				\$147.57	_____

--TOTAL FIXED EXPENSES--					\$216.57	
-----Total expenses per lb \$.27						
RETURNS ABOVE DIRECT EXPENSES					=====	\$589.55
RETURNS ABOVE TOTAL SPECIFIED EXPENSES						\$372.98