



Soybean/Wheat-2025

NC STATE
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2025
60 BUSHEL WHEAT YIELD AND 35 BUSHEL SOYBEANS YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
SOYBEANS**	BU.	35.00	\$11.34	\$396.90	
WHEAT**	BU.	60.00	\$7.01	\$420.60	
TOTAL RECEIPTS:				\$817.50	
2. VARIABLE COSTS					
SOYBEAN SEED	THOU.	130.00	\$0.55	\$71.50	
WHEAT FERTILIZER	BU.	1.50	\$22.50	\$33.75	
UAN-32	LBS	235.00	\$0.42	\$98.70	
46% SUPERPHOSPHATE	LBS	66.00	\$0.35	\$23.10	
0-0-60 MURATE OF POTASH	LBS	37.00	\$0.23	\$8.51	
LIME SPREAD	TON	0.33	\$82.00	\$27.06	
HERBICIDES*	ACRE	1.00	\$33.94	\$33.94	
FUNGICIDES*	ACRE	1.00	\$4.14	\$4.14	
INSECTICIDES*	ACRE	1.00	\$26.77	\$26.77	
FERTILIZER SPREADING	ACRE	1.00	\$12.00	\$12.00	
HAULING	BU.	60.00	\$0.15	\$9.00	
TRACTOR/MACHINERY	ACRE	1.00	\$154.33	\$154.33	
CONSULTING SERVICES****	ACRE	1.00	\$6.00	\$6.00	
LABOR	HRS	3.40	\$15.81	\$53.75	
INTEREST ON OP. CAP.	DOL.	\$267.78	5.375%	\$14.39	
TOTAL VARIABLE COSTS:				\$576.94	
3. INCOME ABOVE VARIABLE COSTS:				\$240.56	
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$166.31	\$166.31	
TOTAL FIXED COSTS:				\$166.31	
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$576.94	7.0%	\$40.39	
TOTAL OTHER COSTS:				\$40.39	
6. TOTAL COSTS:				\$783.64	
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				\$33.86	

BREAK-EVEN YIELD

VARIABLE COSTS
TOTAL COSTS

83 BU.
113 BU.

BREAK-EVEN PRICE

VARIABLE COSTS
TOTAL COSTS

\$9.62
\$13.06

-THIS BUDGET WAS DEVELOPED FOR PLANNING PURPOSES ONLY AND DOES NOT INCLUDE LAND RENT, EACH GROWER SHOULD CALCULATE THEIR COST BASED ON THEIR PRICE OF INPUTS, LOCATION, AND MAINTENANCE PRACTICES

- FERTILIZER AMOUNTS ARE BASED ON HISTORICAL DATA OF REMOVAL RATES FOR N, P2O5, K2O AND YIELD. GROWERS SHOULD SOIL SAMPLE TO DETERMINE RATES OF APPLICATION FOR NUTRIENTS IN SOYBEANS AND WHEAT



WHEAT FOR GRAIN						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 65 BUSHEL WHEAT						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
10	HEAVY DISK 14'	1.00	0.18	0.15	\$4.93	\$7.54
11	TANDOM LIGHT DISK 20'	1.00	0.14	0.12	\$3.80	\$5.02
10 or 11	GRAIN DRILL 16'	1.00	0.16	0.13	\$3.40	\$4.76
6	PLANTER 8-ROW	1.00	0.17	0.14	\$6.21	\$17.71
10, 11, 6, 7	HIBOY 90'	5.00	0.18	0.15	\$30.55	\$36.00
11 & 6	COMBINE W/ HEADER 20'	2.00	0.43	0.36	\$91.30	\$87.52
11 & 6	GRAIN CART 1100	2.00	0.31	0.26	\$14.14	\$7.76
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.57	1.31	\$154.33	\$166.31
UNALLOCATED LABOR(HRS./AC.)			1.96			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu.)				
BU.	\$6.31	\$6.66	\$7.01	\$7.36	\$7.71
54	-\$235.30	-\$216.40	-\$197.50	-\$178.60	-\$159.70
57	-\$216.82	-\$196.87	-\$176.92	-\$156.97	-\$137.02
60	-\$198.34	-\$177.34	-\$156.34	-\$135.34	-\$114.34
63	-\$179.86	-\$157.81	-\$135.76	-\$113.71	-\$91.66
66	-\$161.38	-\$138.28	-\$115.18	-\$92.08	-\$68.98

*NC STATE DOES NOT ENDORSE ANY COMPANY OR CHEMICAL NAMES ASSOCIATED TO ACTIVE INGREDIENTS, THEY ARE FOR RECOGNITION

*HERBICIDE COST DOES NOT ASSUME THE NEED FOR RESISTANCE MANAGEMENT

**FEED SOYBEAN PRICES IN THIS BUDGET ARE BASED ON FUTURES PRICES + .30 BASIS FOR LOCAL CONTRACTS AS OF 12-5-2023, PRICE

**FEED WHEAT PRICES IN THIS BUDGET ARE BASED ON FUTURES PRICES + .90 BASIS FOR LOCAL CONTRACTS AS OF 12-5-2023, PRICE

***CHEMICALS LISTED ARE NOT A RECOMMENDATION FOR CHEMICAL USE BUT A REPRESENTATION OF COST ASSUMPTIONS ONLY

****CONSULTING SERVICES INCLUDES SOIL SAMPLING ONLY

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