



# 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
<b>1. GROSS RECEIPTS</b>					
SOYBEANS**	BU.	35.00	\$10.39	\$363.65	_____
WHEAT**	BU.	60.00	\$5.13	\$307.80	_____
TOTAL RECEIPTS:				<b>\$671.45</b>	_____
<b>2. VARIABLE COSTS</b>					
SOYBEAN SEED	THOU.	150.00	\$0.55	\$82.50	_____
WHEAT	BU.	2.00	\$22.50	\$45.00	_____
FERTILIZER					
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	\$18.58	\$18.58	_____
INSECTICIDES*	ACRE	1.00	\$26.77	\$26.77	_____
FERTILIZER SPREADING	ACRE	1.00	\$12.00	\$12.00	_____
HAULING	BU.	95.00	\$0.60	\$57.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$160.44	\$160.44	_____
CONSULTING SERVICES****	ACRE	1.00	\$26.00	\$26.00	_____
LABOR	HRS	3.40	\$15.81	\$53.75	_____
INTEREST ON OP. CAP.	DOL.	\$289.18	5.375%	\$15.54	_____
TOTAL VARIABLE COSTS:				<b>\$688.89</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>-\$17.44</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$173.51	\$173.51	_____
TOTAL FIXED COSTS:				<b>\$173.51</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	\$688.89	7.0%	\$48.22	_____
TOTAL OTHER COSTS:				<b>\$48.22</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$910.62</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>-\$239.17</b>	_____

<b>BREAK-EVEN YIELD</b>		<b>BREAK-EVEN PRICE</b>	
VARIABLE COSTS	139 BU.	VARIABLE COSTS	\$11.48
TOTAL COSTS	189 BU.	TOTAL COSTS	\$15.18

-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'	6.00	0.22	0.18	\$36.66	\$43.20
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			1.61	1.34	\$160.44	\$173.51
UNALLOCATED LABOR(HRS./AC.)			2.01			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	PRICE (\$/bu.)					
BU.	\$4.62	\$4.87	\$5.13	\$5.39	\$5.64	
54	-\$414.81	-\$401.31	-\$387.27	-\$373.23	-\$359.73	
57	-\$402.75	-\$388.50	-\$373.68	-\$358.86	-\$344.61	
60	-\$390.69	-\$375.69	-\$360.09	-\$344.49	-\$329.49	
63	-\$378.63	-\$362.88	-\$346.50	-\$330.12	-\$314.37	
66	-\$366.57	-\$350.07	-\$332.91	-\$315.75	-\$299.25	

\*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

\*\*\*SOYBEAN PRICES IN THIS BUDGET ARE BASED ON FUTURES PRICES + .30 BASIS FOR NC CONTRACTS FORWARD FOR HARVEST 2025 AS OF NOV. 2024. BASIS IN NORTH CAROLINA IS RELATIVE TO THE DISTANCE FROM SOYBEAN PROCESSING FACILITIES IN FAYETTEVILLE, NC

\*\*WHEAT PRICES IN THIS BUDGET ARE BASED ON FUTURES PRICES + .90 BASIS FOR NC CONTRACTS FORWARD AT 2025 HARVEST

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

\*\*\*\*CONSULTING SERVICES INCLUDE SOIL SAMPLING WITH ANALYSIS AND SCOUTING IN SEASON

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