

# Soybean, Moderate Yield History\*-2025

NC STATE  
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2025  
50 BUSHEL AVERAGE YIELD HISTORY\*

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
SOYBEANS***	BU.	50.00	\$10.39	\$519.50	_____
TOTAL RECEIPTS:				<b>\$519.50</b>	_____
<b>2. VARIABLE COSTS</b>					
SOYBEAN SEED	THOU.	130.00	\$0.50	\$65.00	_____
FERTILIZER					
46% SUPERPHOSPHATE	LBS	87.00	\$0.35	\$30.45	_____
0-0-60 MURATE OF POTASH	LBS	117.00	\$0.23	\$26.91	_____
LIME SPREAD	TON	0.33	\$82.00	\$27.06	_____
HERBICIDES**	ACRE	1.00	\$39.28	\$39.28	_____
FUNGICIDES**	ACRE	1.00	\$0.00	\$0.00	_____
INSECTICIDES**	ACRE	1.00	\$22.32	\$22.32	_____
FERTILIZER SPREADING	ACRE	1.00	\$12.00	\$12.00	_____
HAULING	BU.	50.00	\$0.60	\$30.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$75.23	\$75.23	_____
CONSULTING SERVICES****	ACRE	1.00	\$26.00	\$26.00	_____
LABOR	HRS	1.96	\$15.81	\$30.99	_____
INTEREST ON OP. CAP.	DOL.	\$158.62	5.375%	\$8.53	_____
TOTAL VARIABLE COSTS:				<b>\$393.77</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$125.73</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$141.81	\$141.81	_____
TOTAL FIXED COSTS:				<b>\$141.81</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	\$393.77	7.0%	\$27.56	_____
TOTAL OTHER COSTS:				<b>\$27.56</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$563.14</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>-\$43.64</b>	_____

## BREAK-EVEN YIELD

VARIABLE COSTS	38	BU.	<u>BREAK-EVEN PRICE</u>	VARIABLE COSTS	\$7.88
TOTAL COSTS	54	BU.	TOTAL COSTS		\$11.26

-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

**SOYBEANS - FULL SEASON-MOD YIELD**

<b>PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR SOYBEANS</b>						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
5	HEAVY DISK 16'	1.00	0.14	0.12	\$4.74	\$11.26
5	TANDOM LIGHT DISK 20'	1.00	0.12	0.10	\$6.81	\$16.10
5 or 6	PLANTER 12-ROW	1.00	0.12	0.10	\$5.56	\$23.90
5,6	TRACTOR MTD SPRAYER 90FT	3.00	0.11	0.09	\$4.17	\$17.88
10	COMBINE W/ HEADER 20'	1.00	0.22	0.18	\$46.76	\$66.56
10	GRAIN CART 1100	1.00	0.16	0.13	\$7.19	\$6.11
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.87	0.72	\$75.23	\$141.81
UNALLOCATED LABOR(HRS./AC.)			1.09			

-EQUIPMENT SELECTION IN THESE BUDGETS VARY FOR COST REPRESENTATION OF VARIATION IN PRACTICES, ACTUAL EQUIPMENT SELECTION WILL VARY FROM FARM TO FARM AND REGION TO REGION

**INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES**

YIELD	PRICE (\$/bu.)				
BU.	\$9.35	\$9.87	\$10.39	\$10.91	\$11.43
42	\$3.73	\$25.57	\$47.41	\$69.25	\$91.09
46	\$38.73	\$62.65	\$86.57	\$110.49	\$134.41
50	\$73.73	\$99.73	\$125.73	\$151.73	\$177.73
54	\$108.73	\$136.81	\$164.89	\$192.97	\$221.05
58	\$143.73	\$173.89	\$204.05	\$234.21	\$264.37

\*THE YIELD REPRESENTED IN THIS BUDGET IS NOT A FUNCTION OF THE MAINTENANCE PRACTICES LISTED. IT IS ASSUMED FARMERS WILL ADJUST THEIR MAINTENANCE PRACTICES BASED ON THEIR ABILITY TO MAXIMIZE PROFIT WITH THEIR GIVEN YIELD HISTORY

\*\*HERBICIDE COST ASSUMED NO RESISTANCE MANAGEMENT, GROWERS SHOULD ONLY APPLY PESTICIDES AS NEEDED

\*\*\*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

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

IN NORTH CAROINA IS RELATIVE TO THE DISTANCE FROM SOYBEAN PROCESSING FACILITIES IN FAYETTEVILLE, NC

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