

# Soybean, High Yield History\*-2025

NC STATE  
UNIVERSITY

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

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
SOYBEANS***	BU.	70.00	\$10.39	\$727.30	_____
TOTAL RECEIPTS:				<b>\$727.30</b>	_____
<b>2. VARIABLE COSTS</b>					
SOYBEAN SEED	THOU.	130.00	\$0.55	\$71.50	_____
FERTILIZER					
46% SUPERPHOSPHATE	LBS	122.00	\$0.35	\$42.70	_____
0-0-60 MURATE OF POTASH	LBS	164.00	\$0.23	\$37.72	_____
LIME SPREAD	TON	0.33	\$82.00	\$27.06	_____
HERBICIDES**	ACRE	1.00	\$39.28	\$39.28	_____
FUNGICIDES**	ACRE	1.00	\$14.44	\$14.44	_____
INSECTICIDES**	ACRE	1.00	\$22.32	\$22.32	_____
FERTILIZER SPREADING	ACRE	1.00	\$12.00	\$12.00	_____
HAULING	BU.	70.00	\$0.60	\$42.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$78.37	\$78.37	_____
CONSULTING SERVICES****	ACRE	1.00	\$26.00	\$26.00	_____
LABOR	HRS	1.58	\$15.81	\$24.98	_____
INTEREST ON OP. CAP.	DOL.	\$179.19	5.375%	\$9.63	_____
TOTAL VARIABLE COSTS:				<b>\$448.00</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$279.30</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$148.34	\$148.34	_____
TOTAL FIXED COSTS:				<b>\$148.34</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	\$448.00	7.0%	\$31.36	_____
TOTAL OTHER COSTS:				<b>\$31.36</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$627.70</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>\$99.60</b>	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	43 BU.	VARIABLE COSTS	\$6.40
TOTAL COSTS	60 BU.	TOTAL COSTS	\$8.97

-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-HIGH 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 20'	1.00	0.12	0.10	\$4.78	\$12.70
5	TANDOM LIGHT DISK 30'	1.00	0.08	0.07	\$5.05	\$10.83
5 or 6	PLANTER 16-ROW	1.00	0.14	0.12	\$7.26	\$32.47
5,6	HIBOY 90'	4.00	0.10	0.08	\$16.64	\$28.64
10	COMBINE LARGE W/ HEADER 30'	1.00	0.14	0.12	\$39.41	\$56.10
10	GRAIN CART 2000	1.00	0.12	0.10	\$5.23	\$7.60
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.70	0.59	\$78.37	\$148.34
UNALLOCATED LABOR(HRS./AC.)			0.88			

-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

<b>INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES</b>						
YIELD	PRICE (\$/bu.)					
BU.	\$9.35	\$9.87	\$10.39	\$10.91	\$11.43	
59	\$110.25	\$140.93	\$171.61	\$202.29	\$232.97	
64	\$154.00	\$187.28	\$220.56	\$253.84	\$287.12	
70	\$206.50	\$242.90	\$279.30	\$315.70	\$352.10	
76	\$259.00	\$298.52	\$338.04	\$377.56	\$417.08	
81	\$302.75	\$344.87	\$386.99	\$429.11	\$471.23	

\*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 CAROLINA IS RELATIVE TO THE DISTANCE FROM SOYBEAN PROCESSING FACILITIES IN FAYETTEVILLE, NC

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