## Soybean, Moderate Yield Threshold\*-2023 NC STATE UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2023 50 BUSHEL AVERAGE YIELD HISTORY\*

30 DOGINEL AVERAGE HELD HIG			PRICE OR	TOTAL	YOUR
	UNIT	QUANTITY	COST/UNIT	PER ACRE	FARM
. GROSS RECEIPTS					
SOYBEANS***	BU.	50.00	\$14.22	\$711.00	
TOTAL RECEIPTS:				\$711.00	
TOTAL RECEIPTS:				\$711.00	
2. VARIABLE COSTS					
SEED (CERTIFIED) FERTILIZER	THOU.	130.00	\$0.42	\$54.60	
PHOSPHATE (0-46-0)	LBS	85.00	\$0.46	\$39.10	
POTASH (0-0-60)	LBS	115.00	\$0.51	\$58.65	
LIME (PRORATED)	TON	0.33	\$57.00	\$18.81	
HERBICIDES**	ACRE	1.00	\$72.61		
FUNGICIDES**	ACRE	1.00	\$23.55		
INSECTICIDES**	ACRE	1.00	\$16.50	\$16.50	
HAULING	BU.	50.00	\$0.60	\$30.00	
TRACTOR/MACHINERY	ACRE	1.00	\$70.60	\$70.60	
SCOUT	ACRE	1.00	\$16.00	\$16.00	
LABOR	HRS	2.00	\$14.16		
INTEREST ON OP. CAP.	DOL.	\$177.21	8.0%		
TOTAL VARIABLE COSTS:			_	\$442.92	
. INCOME ABOVE VARIABLE COSTS:				\$268.08	
I. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$88.02	\$88.02	
TOTAL FIXED COSTS:			=	\$88.02	
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$442.92	7.0%	¢21.00	
GENERAL OVERHEAD	DOL.	φ442.9Z	7.0%		
TOTAL OTHER COSTS:			=	\$31.00	
5. TOTAL COSTS:				\$561.94	
. NET RETURNS TO LAND, RISK, AND M	ANAGEMENT:			\$149.06	
BREAK-EVEN YIELD	0.1		REAK-EVEN PRI		<b>*</b> 0.00
VARIABLE COSTS TOTAL COSTS	31 40	BU. BU.	VARIABLE COSTS TOTAL COSTS		\$8.86 \$11.24
	40	DU.	I U I AL CUS	10	JII.24

-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 MAINTENECE PRACTICES

- FERTILIZER AMOUNTS ARE BASED ON HISTORICAL DATA OF REMOVAL RATES FOR N, P2O5, K20 AND YEILD. GROWERS SHOULD SOIL SAMPLE TO DETERMINE RATES OF APPLICATION FOR NUTRIENTS IN SOYBEANS

MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED
		OVER	HOURS	HOURS	COSTS	COSTS
5	HEAVY DISK 16'	1.00	0.14	0.12	\$4.56	\$7.08
5	TANDOM LIGHT DISK 20'	1.00	0.14	0.12	\$3.80	\$5.02
5 or 6	PLANTER 12-ROW	1.00	0.12	0.10	\$5.44	\$15.80
5,6	TRACTOR MTD SPRAYER 90FT	3.00	0.11	0.09	\$4.08	\$12.48
10	COMBINE W/ HEADER 20'	1.00	0.22	0.18	\$45.65	\$43.76
10	GRAIN CART 1100	1.00	0.16	0.13	\$7.07	\$3.88
PER AC	RE TOTALS FOR					
SELECT	ED OPERATIONS		0.89	0.74	\$70.60	\$88.02
UNALLC	CATED LABOR(HRS./AC.)		1.11			

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

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES									
YIELD		PRICE (\$/bu.)							
BU.	\$12.80	\$13.51	\$14.22	\$14.93	\$15.64				
42	\$99.48	\$129.30	\$159.12	\$188.94	\$218.76				
46	\$148.28	\$180.94	\$213.60	\$246.26	\$278.92				
50	\$197.08	\$232.58	\$268.08	\$303.58	\$339.08				
54	\$245.88	\$284.22	\$322.56	\$360.90	\$399.24				
58	\$294.68	\$335.86	\$377.04	\$418.22	\$459.40				

\*THE YEILD 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 YEILD HISTORY. \*\*HERBICIDE COST ASSUME NO RESISTANCE MANAGEMENT, GROWERS SHOULD ONLY APPLY PESTICIDES AS NEEDED

\*\*\*SOYBEAN PRICES IN THIS BUDGET ARE BASED ON FUTURES PRICES + .15 BASIS FOR LOCAL CONTRACTS AS OF 12-15-2022, BASIS IN NORTH CAROINA IS RELATIVE TO THE DISTANCE FROM SOYBEAN PROCESSING FACLITIES IN FAYETTEVILLE, NC

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