Soybean, Low Yield Threshold*-2023



ESTIMATED COSTS AND RETURNS PER ACRE, 2023

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
	01111	QO/WITTI	0001/01111	TERMORE	17444
. GROSS RECEIPTS					
SOYBEANS	BU.	30.00	\$14.22	\$426.60	
TOTAL RECEIPTS:				\$426.60	
. VARIABLE COSTS					
SEED (CERTIFIED)	THOU.	130.00	\$0.42	\$54.60	
FERTILIZER	LBS	50.00	\$0.46	\$23.00	
PHOSPHATE (0-46-0)	LBS		*		
POTASH (0-0-60) LIME (PRORATED)	TON	70.00 0.33	\$0.51 \$57.00	\$35.70 \$18.81	
HERBICIDES	ACRE	1.00	\$53.03	\$53.03	
FUNGICIDES	ACRE	1.00	\$0.00		
INSECTICIDES	ACRE	1.00	\$0.00	\$0.00	
HAULING	BU.	30.00	\$0.60	\$18.00	
TRACTOR/MACHINERY	ACRE	1.00	\$70.74	\$70.74	
SCOUT	ACRE	0.00	\$16.00	\$0.00	
LABOR	HRS	2.18	\$14.16	\$30.87	
INTEREST ON OP. CAP.	DOL.	\$127.94	8.0%	\$10.24	
TOTAL VARIABLE COSTS:			_	\$314.99	
INCOME ADOME VARIABLE COOTS				\$111.61	
INCOME ABOVE VARIABLE COSTS:				\$111.01 <u></u>	
				\$111.01	
FIXED COSTS			•		
	ACRE	1.00	\$85.63	\$85.63	
FIXED COSTS	ACRE	1.00	\$85.63 -	\$85.63	
TOTAL FIXED COSTS:	ACRE	1.00	\$85.63 -	\$85.63	
FIXED COSTS TRACTOR/MACHINERY TOTAL FIXED COSTS:	ACRE	1.00	\$85.63 	\$85.63	
. FIXED COSTS TRACTOR/MACHINERY TOTAL FIXED COSTS: . OTHER COSTS GENERAL OVERHEAD			=	\$85.63	
. FIXED COSTS TRACTOR/MACHINERY TOTAL FIXED COSTS: . OTHER COSTS GENERAL OVERHEAD TOTAL OTHER COSTS:			=	\$85.63 \$85.63 \$22.05	
FIXED COSTS TRACTOR/MACHINERY TOTAL FIXED COSTS: OTHER COSTS GENERAL OVERHEAD TOTAL OTHER COSTS:			=	\$85.63	
FIXED COSTS TRACTOR/MACHINERY TOTAL FIXED COSTS: OTHER COSTS GENERAL OVERHEAD TOTAL OTHER COSTS: TOTAL COSTS:	DOL.		=	\$85.63 \$85.63 \$22.05	
. FIXED COSTS TRACTOR/MACHINERY TOTAL FIXED COSTS: . OTHER COSTS GENERAL OVERHEAD TOTAL OTHER COSTS: . TOTAL COSTS: . NET RETURNS TO LAND, RISK, AND MA	DOL.	\$314.99	7.0%	\$85.63	
FIXED COSTS TRACTOR/MACHINERY TOTAL FIXED COSTS: OTHER COSTS GENERAL OVERHEAD TOTAL OTHER COSTS: TOTAL COSTS:	DOL.	\$314.99	=	\$85.63	

⁻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

SOYBEANS - FULL SEASON-CONVENTIONAL							
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR SOYBEANS							
MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED	
		OVER	HOURS	HOURS	COSTS	COSTS	
5	HEAVY DISK 14'	1.00	0.18	0.15	\$4.93	\$7.54	
5	TANDOM LIGHT DISK 20'	1.00	0.14	0.12	\$3.80	\$5.02	
5 or 6	PLANTER 8-ROW	1.00	0.17	0.14	\$6.21	\$17.71	
5,6	TRACTOR MTD SPRAYER 60 FT	2.00	0.10	0.08	\$3.08	\$7.72	
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 ACI	RE TOTALS FOR						
SELECT	ED OPERATIONS		0.97	0.80	\$70.74	\$85.63	
UNALLO	CATED LABOR(HRS./AC.)		1.21				

-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 (\$/bı	u.)		
BU.	\$12.80	\$13.51	\$14.22	\$14.93	\$15.64	
25	\$8.01	\$25.76	\$43.51	\$61.26	\$79.01	
28	\$44.61	\$64.49	\$84.37	\$104.25	\$124.13	
30	\$69.01	\$90.31	\$111.61	\$132.91	\$154.21	
32	\$93.41	\$116.13	\$138.85	\$161.57	\$184.29	
35	\$130.01	\$154.86	\$179.71	\$204.56	\$229.41	

THE YEILD REPRESENTED IN THIS BUDGET IS NOT A FUNCTION OF THE MAINTENANCE PRACICES 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 Prepared by: Derek Washburn, NC State Department of Agricultural and Resource Economics Edited by: Rachel Vann, Wesley Everman, and Jenny Carleo -NC State Department of Crop and Soil Science