

Soybean/Wheat-Conventional - 2022

NC STATE
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2022
60 BUSHEL WHEAT YIELD AND 35 BUSHEL SOYBEANS YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
SOYBEANS	BU.	35.00	\$12.51	\$437.85	_____
WHEAT	BU.	60.00	\$5.83	\$349.80	_____
TOTAL RECEIPTS:				\$787.65	_____
2. VARIABLE COSTS					
SEED (WHEAT)	BU.	1.75	\$22.50	\$39.38	_____
SEED (SOYBEANS)	THOU.	120.00	\$0.40	\$48.00	_____
FERTILIZER					
NITROGEN (30%)	CWT	1.20	\$25.55	\$30.66	_____
PHOSPHATE (0-46-0)	LBS	130.00	\$0.26	\$33.80	_____
POTASH (0-0-60)	LBS	123.00	\$0.43	\$52.89	_____
LIME (PRORATED)	TON	0.33	\$54.50	\$17.99	_____
HERBICIDES	ACRE	1.00	\$60.53	\$60.53	_____
INSECTICIDES	ACRE	1.00	\$12.66	\$12.66	_____
FUNGICIDES	ACRE	1.00	\$8.79	\$8.79	_____
SURFACTANT	ACRE	1.00	\$4.10	\$4.10	_____
AERIAL APPLICATION	APPL	0.00	\$9.00	\$0.00	_____
HAULING	BU.	95.00	\$0.26	\$24.70	_____
TRACTOR/MACHINERY	ACRE	1.00	\$57.69	\$57.69	_____
LABOR	HRS	3.40	\$13.15	\$44.71	_____
SCOUT	ACRE	1.00	\$8.00	\$8.00	_____
INTEREST ON OP. CAP.	DOL.	\$176.76	2.0%	\$3.54	_____
TOTAL VARIABLE COSTS:				\$447.44	_____
3. INCOME ABOVE VARIABLE COSTS:				\$340.21	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$107.48	\$107.48	_____
TOTAL FIXED COSTS:				\$107.48	_____
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$447.44	7.0%	\$31.32	_____
TOTAL OTHER COSTS:				\$31.32	_____
6. TOTAL COSTS:				\$586.24	_____
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				\$201.41	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	7 BU.	VARIABLE COSTS	\$4.71
TOTAL COSTS	19 BU.	TOTAL COSTS	\$6.17

* PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY.

*BREAKEVEN YIELDS ARE CALCULATED FROM AVERAGE YIELDS AND AVERAGE RETURNS FROM EACH CROP COMBINED

*EACH GROWER SHOULD CALCULATE THEIR COST BASED ON THEIR PRICE OF INPUTS AND LOCATION

*FERTILIZATION RATES ARE NOT A RECOMMENDATION BUT AN ASSUMPTION OF REALIZED COST BASED ON REMOVAL RATES

SOYBEANS - FOLLOWING WHEAT, CONVENTIONAL TILLAGE						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR DOUBLE-CROP SOYBEANS/WHEAT						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
10	HEAVY DISK 14'	1.00	0.17	0.15	\$4.61	\$6.34
11	LIGHT DISKING W/ HERBICIDE 20'	1.00	0.14	0.12	\$3.77	\$3.16
10 or 11	GRAIN DRILL 16'	1.00	0.15	0.13	\$3.50	\$3.75
6	PLANTER NO-TILL 16-ROW	1.00	0.13	0.11	\$11.17	\$23.76
10,11,6,7	HIBOY 90'	5.00	0.17	0.15	\$3.80	\$33.85
11&6	COMBINE LARGE W/ HEADER 34'	2.00	0.25	0.22	\$16.50	\$30.88
11&6	GRAIN CART 1100	2.00	0.30	0.26	\$14.34	\$5.74
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.51	1.14	\$57.69	\$107.48
UNALLOCATED LABOR(HRS./AC.)			1.89			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD		PRICE (\$/bu.)				
SOYBEANS ----->>		\$11.26	\$11.88	\$12.51	\$13.14	\$13.76
WHEAT ----->>		\$5.25	\$5.54	\$5.83	\$6.12	\$6.41
28	48	\$124.78	\$156.06	\$187.62	\$219.18	\$250.46
32	54	\$198.72	\$234.22	\$270.04	\$305.86	\$341.36
35	60	\$261.66	\$300.76	\$340.21	\$379.66	\$418.76
39	66	\$335.60	\$378.92	\$422.63	\$466.34	\$509.66
42	72	\$398.54	\$445.46	\$492.80	\$540.14	\$587.06

*NC STATE DOES NOT ENDORSE ANY COMPANY OR CHEMICAL NAMES ASSOCIATED TO ACTIVE INGREDIENTS, THEY ARE FOR RECOGNITION
 *HERBICIDE COST DO NOT ASSUME THE NEED FOR RESISTANCE MANAGEMENT
 **CHEMICALS LISTED ARE NOT A RECOMMENDATION FOR CHEMICAL USE BUT A REPRESENTATION OF COST ASSUMPTIONS ONLY

CHEMICAL USE ASSUMPTIONS FOR DOUBLE-CROP SOYBEANS/WHEAT						
		UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
**HERBICIDES						
Wheat	thifensulfuron+tribenuron (Harmony GT 75DF)	OZ	0.90	\$18.56	\$16.70	JAN/FEB
Soy	flumioxazin (Valor)	OZ	3.00	\$5.86	\$17.58	JUN
Soy	metolachlor (Dual)	PT	1.00	\$16.09	\$16.09	JUL
Soy	Fomasafen (Reflex)	PT	1.00	\$10.16	\$10.16	JUL
**FUNGICIDES						
Wheat	azoxystrobin (Abound)	OZ	4.00	\$2.20	\$8.79	APR
**INSECTICIDES						
Wheat	lambda-cyhalothrin (Karate-Z)	OZ	2.50	\$1.78	\$4.45	AUG
Soy	cyfluthrin (Baythroid)	OZ	5.80	\$1.42	\$8.21	APR
TOTAL:					\$81.98	

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