

Soybean No Till 2022

NC STATE
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE FOR HIGH MAINTENANCE NO TILL SOYBEANS, 2022
50 BUSHEL ACTUAL YIELD.

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
SOYBEANS	BU.	50.00	\$12.51	\$625.50	_____
TOTAL RECEIPTS:				\$625.50	_____
2. VARIABLE COSTS					
SEED (CERTIFIED) FERTILIZER	THOU.	110.00	\$0.40	\$44.00	_____
PHOSPHATE (0-46-0)	LBS	87	\$0.26	\$22.61	_____
POTASH (0-0-60)	LBS	123	\$0.43	\$53.03	_____
LIME (PRORATED)	TON	0.33	\$54.50	\$17.99	_____
HERBICIDES	ACRE	1.00	\$47.36	\$47.36	_____
INSECTICIDES	ACRE	1.00	\$3.96	\$3.96	_____
FUNGICIDES	ACRE	1.00	\$25.07	\$25.07	_____
SURFACTANT	ACRE	1.00	\$3.82	\$3.82	_____
AERIAL APPLICATION	APPL	0.00	\$0.00	\$0.00	_____
HAULING	BU.	50.00	\$0.26	\$13.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$28.13	\$28.13	_____
LABOR	HRS	1.62	\$13.15	\$21.30	_____
SCOUT	ACRE	1.00	\$12.00	\$12.00	_____
INTEREST ON OP. CAP.	DOL.	\$122.99	2.0%	\$2.46	_____
TOTAL VARIABLE COSTS:				\$294.73	_____
3. INCOME ABOVE VARIABLE COSTS:				\$330.77	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$68.37	\$68.37	_____
TOTAL FIXED COSTS:				\$68.37	_____
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$294.73	7.0%	\$20.63	_____
TOTAL OTHER COSTS:				\$20.63	_____
6. TOTAL COSTS:				\$383.73	_____
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				\$241.77	_____

BREAK-EVEN YIELD

VARIABLE COSTS	24	BU.	<u>BREAK-EVEN PRICE</u>	VARIABLE COSTS	\$5.89
TOTAL COSTS	31	BU.		TOTAL COSTS	\$7.67

* 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 AND LOCATION

*FERTILIZER IS PRICED ON A PER POUND BASIS WITH NO ADJUSTMENTS FOR NUTRIENT COST PER LB

*SOYBEAN PRICES ARE DECEMBER FUTURE PRICES IN FALL OF 2016 PLUS A POSITIVE BASIS FOR THE COSTAL PLAIN

SOYBEANS - FULL SEASON-CONVENTIONAL-COASTAL PLAIN						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 35 BUSHEL SOYBEANS						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
5	PLANTER NO-TILL 8-ROW	1.00	0.14	0.12	\$7.76	\$14.05
4,5,6	HIBOY 90'	5.00	0.17	0.15	\$3.80	\$33.85
5,6	COMBINE W/ HEADER 24'	1.00	0.17	0.15	\$9.40	\$17.60
5,7	GRAIN CART 1100	1.00	0.15	0.13	\$7.17	\$2.87
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.72	0.55	\$28.13	\$68.37
UNALLOCATED LABOR(HRS./AC.)			0.90			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu.)				
BU.	\$11.26	\$11.88	\$12.51	\$13.14	\$13.76
45	\$213.27	\$241.17	\$269.52	\$297.87	\$325.77
48	\$246.27	\$276.03	\$306.27	\$336.51	\$366.27
50	\$268.27	\$299.27	\$330.77	\$362.27	\$393.27
55	\$323.27	\$357.37	\$392.02	\$426.67	\$460.77
63	\$411.27	\$450.33	\$490.02	\$529.71	\$568.77

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

PEST CONTROL ASSUMPTIONS FOR 35 BUSHEL SOYBEANS, CONVENTIONAL					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
**HERBICIDES:					
glyphosate	QT	2.00	\$5.63	\$11.25	APRIL/MAY
2,4-D	PT	4.00	\$2.83	\$11.33	APRIL/MAY
flumioxazin	OZ	2.00	\$5.86	\$11.72	APRIL/MAY
glufosinate	OZ	32.00	\$0.54	\$17.19	MAY/JUNE
Acetochlor	OZ	48.00	\$0.20	\$9.60	MAY/JUNE
dicamba	OZ	12.80	\$0.76	\$9.79	JUNE
s-metolachlor	PT	1.00	\$10.78	\$10.78	JUNE
**INSECTICIDE					
cyfluthrin	OZ	2.80	\$1.42	\$3.96	at pest threshold
**FUNGICIDE					
trifloxystrobin+propiconazole	OZ	18.40	\$1.36	\$25.07	2X R1/R4
TOTAL:				\$110.69	

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