

Soybean Conventional High Maint 2022

NC STATE
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 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	\$34.40	\$34.40	_____
LABOR	HRS	2.14	\$13.15	\$28.14	_____
SCOUT	ACRE	1.00	\$12.00	\$12.00	_____
INTEREST ON OP. CAP.	DOL.	\$126.12	2.0%	\$2.52	_____
TOTAL VARIABLE COSTS:				\$307.90	_____
3. INCOME ABOVE VARIABLE COSTS:				\$317.60	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$74.28	\$74.28	_____
TOTAL FIXED COSTS:				\$74.28	_____
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$307.90	7.0%	\$21.55	_____
TOTAL OTHER COSTS:				\$21.55	_____
6. TOTAL COSTS:				\$403.73	_____
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				\$221.77	_____

BREAK-EVEN YIELD

		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	25 BU.	VARIABLE COSTS	\$6.16
TOTAL COSTS	32 BU.	TOTAL COSTS	\$8.07

* 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	HEAVY DISK 14'	1.00	0.17	0.15	\$4.61	\$6.34
6	TANDOM LIGHT DISK 30'	1.00	0.08	0.07	\$4.76	\$6.14
7	PLANTER 12-ROW	1.00	0.12	0.10	\$5.42	\$14.25
5 or 6	HIBOY 90'	4.00	0.14	0.12	\$3.04	\$27.08
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			0.95	0.72	\$34.40	\$74.28
UNALLOCATED LABOR(HRS./AC.)			1.19			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	PRICE (\$/bu.)					
BU.	\$11.26	\$11.88	\$12.51	\$13.14	\$13.76	
45	\$200.10	\$228.00	\$256.35	\$284.70	\$312.60	
48	\$233.10	\$262.86	\$293.10	\$323.34	\$353.10	
50	\$255.10	\$286.10	\$317.60	\$349.10	\$380.10	
55	\$310.10	\$344.20	\$378.85	\$413.50	\$447.60	
63	\$398.10	\$437.16	\$476.85	\$516.54	\$555.60	

*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:						
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 (Baythroid)	OZ	2.80	\$1.42	\$3.96	at pest threshold	
**FUNGICIDE						
trifloxystrobin+propiconazole (Stratego)	OZ	18.40	\$1.36	\$25.07	2X R1/R4	
TOTAL:				\$76.39		

Prepared by: Wesley Everman, Derek Washburn
 North Carolina State University