

Soybean, Full Season-Conventional-2022

NC STATE
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2022
40 BUSHEL ACTUAL YIELD.

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
SOYBEANS	BU.	40.00	\$12.51	\$500.40	_____
TOTAL RECEIPTS:				\$500.40	_____
2. VARIABLE COSTS					
SEED (CERTIFIED) FERTILIZER	THOU.	110.00	\$0.40	\$44.00	_____
PHOSPHATE (0-46-0)	LBS	70	\$0.26	\$18.09	_____
POTASH (0-0-60)	LBS	99	\$0.43	\$42.43	_____
LIME (PRORATED)	TON	0.33	\$54.50	\$17.99	_____
HERBICIDES	ACRE	1.00	\$41.57	\$41.57	_____
INSECTICIDES	ACRE	1.00	\$0.00	\$0.00	_____
FUNGICIDES	ACRE	1.00	\$0.00	\$0.00	_____
SURFACTANT	ACRE	1.00	\$2.08	\$2.08	_____
AERIAL APPLICATION	APPL	0.00	\$0.00	\$0.00	_____
HAULING	BU.	40.00	\$0.26	\$10.40	_____
TRACTOR/MACHINERY	ACRE	1.00	\$31.89	\$31.89	_____
LABOR	HRS	2.12	\$13.15	\$27.88	_____
SCOUT	ACRE	1.00	\$12.00	\$12.00	_____
INTEREST ON OP. CAP.	DOL.	\$99.03	2.0%	\$1.98	_____
TOTAL VARIABLE COSTS:				\$250.31	_____
3. INCOME ABOVE VARIABLE COSTS:				\$250.09	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$57.76	\$57.76	_____
TOTAL FIXED COSTS:				\$57.76	_____
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$250.31	7.0%	\$17.52	_____
TOTAL OTHER COSTS:				\$17.52	_____
6. TOTAL COSTS:				\$325.59	_____
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				\$174.81	_____

BREAK-EVEN YIELD

		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	20 BU.	VARIABLE COSTS	\$6.26
TOTAL COSTS	26 BU.	TOTAL COSTS	\$8.14

* 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	LIGHT DISKING W/ HERBICIDE 20'	1.00	0.14	0.12	\$3.77	\$3.16
7	PLANTER 12-ROW	1.00	0.12	0.10	\$5.42	\$14.25
5 or 6	HIBOY 90'	2.00	0.07	0.06	\$1.52	\$13.54
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			0.94	0.71	\$31.89	\$57.76
UNALLOCATED LABOR(HRS./AC.)			1.18			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	PRICE (\$/bu.)					
BU.	\$11.26	\$11.88	\$12.51	\$13.14	\$13.76	
36	\$156.09	\$178.41	\$201.09	\$223.77	\$246.09	
38	\$178.09	\$201.65	\$225.59	\$249.53	\$273.09	
40	\$200.09	\$224.89	\$250.09	\$275.29	\$300.09	
44	\$244.09	\$271.37	\$299.09	\$326.81	\$354.09	
50	\$310.09	\$341.09	\$372.59	\$404.09	\$435.09	

*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:					
pendimethalin (Prowl)	PT	1.80	\$6.25	\$11.25	MAY/JUNE
flumioxazin (Valor)	OZ	2.00	\$5.86	\$11.72	MAY/JUNE
glyphosate (Roundup ultra)	QT	1.50	\$5.63	\$8.44	JUNE
Fomasafen (Reflex)	PT	1.00	\$10.16	\$10.16	JUNE
**INSECTICIDE					
**FUNGICIDE					
TOTAL:				\$41.57	

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