

Soybean, Mid Maint-Conventional-2022

NC STATE
UNIVERSITY

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

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
SOYBEANS	BU.	42.00	\$12.51	\$525.42	_____
TOTAL RECEIPTS:				\$525.42	_____
2. VARIABLE COSTS					
SEED (CERTIFIED) FERTILIZER	THOU.	110.00	\$0.40	\$44.00	_____
PHOSPHATE (0-46-0)	LBS	73	\$0.26	\$18.99	_____
POTASH (0-0-60)	LBS	104	\$0.43	\$44.55	_____
LIME (PRORATED)	TON	0.33	\$54.50	\$17.99	_____
HERBICIDES	ACRE	1.00	\$44.37	\$44.37	_____
INSECTICIDES	ACRE	1.00	\$0.00	\$0.00	_____
FUNGICIDES	ACRE	1.00	\$12.53	\$12.53	_____
SURFACTANT	ACRE	1.00	\$2.85	\$2.85	_____
AERIAL APPLICATION	APPL	0.00	\$0.00	\$0.00	_____
HAULING	BU.	42.00	\$0.26	\$10.92	_____
TRACTOR/MACHINERY	ACRE	1.00	\$33.64	\$33.64	_____
LABOR	HRS	2.05	\$13.15	\$26.96	_____
SCOUT	ACRE	1.00	\$12.00	\$12.00	_____
INTEREST ON OP. CAP.	DOL.	\$109.46	2.0%	\$2.19	_____
TOTAL VARIABLE COSTS:				\$270.99	_____
3. INCOME ABOVE VARIABLE COSTS:				\$254.43	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$67.51	\$67.51	_____
TOTAL FIXED COSTS:				\$67.51	_____
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$270.99	7.0%	\$18.97	_____
TOTAL OTHER COSTS:				\$18.97	_____
6. TOTAL COSTS:				\$357.47	_____
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				\$167.95	_____

BREAK-EVEN YIELD

		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	22 BU.	VARIABLE COSTS	\$6.45
TOTAL COSTS	29 BU.	TOTAL COSTS	\$8.51

* 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'	3.00	0.10	0.09	\$2.28	\$20.31
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			0.91	0.69	\$33.64	\$67.51
UNALLOCATED LABOR(HRS./AC.)			1.14			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	PRICE (\$/bu.)					
BU.	\$11.26	\$11.88	\$12.51	\$13.14	\$13.76	
38	\$157.93	\$181.49	\$205.43	\$229.37	\$252.93	
40	\$179.93	\$204.73	\$229.93	\$255.13	\$279.93	
42	\$201.93	\$227.97	\$254.43	\$280.89	\$306.93	
46	\$245.93	\$274.45	\$303.43	\$332.41	\$360.93	
53	\$322.93	\$355.79	\$389.18	\$422.57	\$455.43	

*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:						
flumioxazin	OZ	3.00	\$5.86	\$17.58	MAY/JUNE	
glufosinate	OZ	32.00	\$0.54	\$17.19	MAY/JUNE	
Acetochlor	OZ	48.00	\$0.20	\$9.60	JUNE	
**INSECTICIDE						
**FUNGICIDE						
trifloxystrobin+propiconazole (Stratego)	OZ	9.20	\$1.36	\$12.53	at R3	
TOTAL:				\$56.90		

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