

Soybean, Full Season-Tidewater-2019

NC STATE
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2019
40 BUSHEL ACTUAL YIELD.

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
SOYBEANS	BU.	40.00	\$8.95	\$358.00	_____
TOTAL RECEIPTS:				\$358.00	_____
2. VARIABLE COSTS					
SEED (CERTIFIED)	THOU.	110.00	\$0.40	\$44.00	_____
FERTILIZER					
PHOSPHATE (0-46-0)	LBS	70	\$0.38	\$26.43	_____
POTASH (0-0-60)	LBS	99	\$0.22	\$21.71	_____
LIME (PRORATED)	TON	0.33	\$46.00	\$15.18	_____
HERBICIDES	ACRE	1.00	\$31.59	\$31.59	_____
FUNGICIDES	ACRE	1.00	\$17.65	\$17.65	_____
INSECTICIDES	ACRE	1.00	\$3.73	\$3.73	_____
SURFACTANT	ACRE	1.00	\$2.65	\$2.65	_____
AERIAL APPLICATION	APPL	1.00	\$0.00	\$0.00	_____
HAULING	BU.	40.00	\$0.26	\$10.40	_____
TRACTOR/MACHINERY	ACRE	1.00	\$29.52	\$29.52	_____
SCOUT	ACRE	1.00	\$12.00	\$12.00	_____
LABOR	HRS	1.44	\$11.46	\$16.50	_____
INTEREST ON OP. CAP.	DOL.	\$96.23	6.0%	\$5.77	_____
TOTAL VARIABLE COSTS:				\$237.13	_____
3. INCOME ABOVE VARIABLE COSTS:				\$120.87	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$72.94	\$72.94	_____
TOTAL FIXED COSTS:				\$72.94	_____
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$237.13	5.0%	\$11.86	_____
TOTAL OTHER COSTS:				\$11.86	_____
6. TOTAL COSTS:				\$321.93	_____
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				\$36.07	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	26 BU.	VARIABLE COSTS	\$5.93
TOTAL COSTS	36 BU.	TOTAL COSTS	\$8.05

* 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 TIDEWATER

SOYBEANS - FULL SEASON-CONVENTIONAL-TIDEWATER						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 40 BUSHEL SOYBEANS						
MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED
		OVER	HOURS	HOURS	COSTS	COSTS
5	TANDUM LIGHT DISK 30'	2.00	0.15	0.14	\$9.46	\$11.40
5 or 6	PLANTER 16-ROW	1.00	0.13	0.12	\$7.29	\$21.23
5,6,9	HIBOY 90'	4.00	0.13	0.12	\$3.20	\$28.20
10	COMBINE LARGE W/ HEADER 34'	1.00	0.12	0.11	\$4.77	\$9.19
10	GRAIN CART 2000	1.00	0.11	0.10	\$4.80	\$2.92
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.64	0.59	\$29.52	\$72.94
UNALLOCATED LABOR(HRS./AC.)			0.80			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	PRICE (\$/bu.)					
	BU.	\$8.06	\$8.50	\$8.95	\$9.40	\$9.85
36		\$54.07	\$69.91	\$86.11	\$102.31	\$118.51
38		\$69.67	\$86.39	\$103.49	\$120.59	\$137.69
40		\$85.27	\$102.87	\$120.87	\$138.87	\$156.87
42		\$100.87	\$119.35	\$138.25	\$157.15	\$176.05
44		\$116.47	\$135.83	\$155.63	\$175.43	\$195.23

*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 40 BUSHEL SOYBEANS, CONVENTIONAL					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
**HERBICIDES:					
pendimethalin (Prowl)	PT	1.80	\$4.13	\$7.43	MAY/JUNE
flumioxazin (Valor)	OZ	2.00	\$4.50	\$9.00	MAY/JUNE
glyphosate (Roundup ultra)	QT	1.50	\$4.19	\$6.28	MAY/JUNE
Fomasafen (Reflex)	PT	1.00	\$8.88	\$8.88	MAY/JUNE
**INSECTICIDE					
lambda-cyhalothrin (Karate-Z)	OZ	2.50	\$1.49	\$3.73	AUG
**FUNGICIDE					
azoxystrobin (Abound)	OZ	10.00	\$1.76	\$17.65	AUG
TOTAL:				\$52.97	

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