

CLEMSON COOPERATIVE EXTENSION

Last revised: 1/15/2016

SOYBEANS - FULL SEASON, CONSERVATION TILLAGE, 7-10" ROWS

ESTIMATED COSTS AND RETURNS PER ACRE
35 BUSHEL ACTUAL YIELD.

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
SOYBEANS	BU.	35.00	\$9.50	\$332.50	_____
TOTAL RECEIPTS:				\$332.50	\$0.00
2. VARIABLE COSTS					
SEED (CERTIFIED) **	BU.	0.83	\$42.50	\$35.28	_____
FERTILIZER ***					
PHOSPHATE	LBS	50.00	\$0.49	\$24.50	_____
POTASH	LBS	50.00	\$0.33	\$16.50	_____
LIME (PRORATED)	TON	0.50	\$45.00	\$22.50	_____
HERBICIDES	ACRE	1.00	\$52.65	\$52.65	_____
INSECTICIDES	ACRE	1.00	\$23.64	\$23.64	_____
FUNGICIDES	ACRE	1.00	\$31.06	\$31.06	_____
AERIAL APPLICATION	APPL	1.00	\$10.00	\$10.00	_____
HAULING	BU.	35.00	\$0.70	\$24.50	_____
TRACTOR/MACHINERY	ACRE	1.00	\$34.85	\$34.85	_____
LABOR	HRS	3.98	\$9.50	\$37.81	_____
INTEREST ON OP. CAP.	DOL.	\$156.65	5.0%	\$7.83	_____
TOTAL VARIABLE COSTS:				\$321.12	\$0.00
3. INCOME ABOVE VARIABLE COSTS:				\$11.38	\$0.00
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$52.89	\$52.89	_____
TOTAL FIXED COSTS:				\$52.89	\$0.00
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$60.00	\$60.00	_____
GENERAL OVERHEAD	DOL.	\$321.12	7.0%	\$22.48	_____
TOTAL OTHER COSTS:				\$82.48	\$0.00
6. TOTAL COSTS:				\$456.49	\$0.00
7. NET RETURNS TO RISK AND MANAGEMENT:				-\$123.99	\$0.00

BREAK-EVEN YIELD		BREAK-EVEN PRICE	
VARIABLE COSTS	34 BU.	VARIABLE COSTS	\$9.17
TOTAL COSTS	49 BU.	TOTAL COSTS	\$13.04

* PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY.

** CONVENTIONAL SEED.

*** FERTILIZER RECOMMENDATIONS MUST BE BASED ON SOIL TEST ANALYSIS.

SOYBEANS - FULL SEASON, CONSERVATION TILLAGE, 7-10" ROWS						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 35 BUSHEL SOYBEANS - 7-10" ROWS						
MONTH	OPERATION *	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
4	FERTILIZER SPREADER	1.50	0.20	0.18	\$2.43	\$6.05
4	BROADCAST DEEP TILLAGE	1.00	0.26	0.24	\$7.54	\$7.87
5	NO-TILL DRILL 16'	1.00	0.15	0.14	\$3.93	\$5.75
5,6,7,8&9	TRACTOR MTD SPRAYER	5.00	0.88	0.80	\$6.75	\$7.85
10	COMBINE LARGE W/ HEADER	1.00	0.28	0.25	\$14.20	\$25.37
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.77	1.61	\$34.85	\$52.89
UNALLOCATED LABOR(HRS./AC.)			2.21			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu.)				
BU.	\$8.55	\$9.03	\$9.50	\$9.98	\$10.45
32	-\$45.42	-\$30.06	-\$15.02	\$0.34	\$15.38
33	-\$37.57	-\$21.73	-\$6.22	\$9.62	\$25.13
35	-\$21.87	-\$5.07	\$11.38	\$28.18	\$44.63
37	-\$6.17	\$11.59	\$28.98	\$46.74	\$64.13
39	\$9.53	\$28.25	\$46.58	\$65.30	\$83.63

CHEMICAL USE ASSUMPTIONS FOR 35 BUSHEL SOYBEANS - 7-10" ROWS					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES:					
flumioxazin (Valor)	OZ	4.00	\$7.06	\$28.25	MAY
s-metolachlor	PT	1.00	\$14.06	\$14.06	MAY
fomesafen (Flextar)	PT	1.25	\$7.38	\$9.22	JUN
thifensulfuron+tribenuron (Harmony GT 75DF)	OZ	0.083	\$13.50	\$1.12	JUL
INSECTICIDE					
cyfluthrin (Baythroid)	OZ	2.00	\$2.70	\$5.39	SEP
aldicarb (Temik)	LB	5.00	\$3.65	\$18.25	MAY
FUNGICIDE					
pyraclostrobin (Headline)	OZ	8.00	\$3.88	\$31.06	AUG
TOTAL:				\$107.35	

The above listed chemicals are examples and do not imply exclusive recommendations by Clemson University. The "Pest Management Handbook" must be consulted. Production assumptions provided by David H Gunter, Extension Specialist, 843-662-3526, dgunter@clemson.edu

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