

CLEMSON

EXTENSION

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

ESTIMATED COSTS AND RETURNS PER ACRE, 2009/2010
35 BUSHEL ACTUAL YIELD.

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
SOYBEANS	BU.	35.00	\$9.90	\$346.50	_____
TOTAL RECEIPTS:				\$346.50	_____
2. VARIABLE COSTS					
SEED (CERTIFIED) **	BU.	0.83	\$31.00	\$25.73	_____
FERTILIZER ***					
PHOSPHATE	LBS	50.00	\$1.28	\$64.00	_____
POTASH	LBS	50.00	\$0.90	\$45.00	_____
LIME (PRORATED)	TON	0.50	\$51.00	\$25.50	_____
HERBICIDES	ACRE	1.00	\$20.58	\$20.58	_____
INSECTICIDES	ACRE	1.00	\$18.98	\$18.98	_____
FUNGICIDES	ACRE	1.00	\$20.16	\$20.16	_____
AERIAL APPLICATION	APPL	1.00	\$6.00	\$6.00	_____
HAULING	BU.	35.00	\$0.40	\$14.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$39.52	\$39.52	_____
LABOR	HRS	3.98	\$6.50	\$25.87	_____
INTEREST ON OP. CAP.	DOL.	\$132.74	9.0%	\$11.95	_____
TOTAL VARIABLE COSTS:				\$317.29	_____
3. INCOME ABOVE VARIABLE COSTS:				\$29.21	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$58.49	\$58.49	_____
TOTAL FIXED COSTS:				\$58.49	_____
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$317.29	9.0%	\$28.56	_____
TOTAL OTHER COSTS:				\$53.56	_____
6. TOTAL COSTS:				\$429.34	_____
7. NET RETURNS TO RISK AND MANAGEMENT:				-\$82.84	_____

BREAK-EVEN YIELD

VARIABLE COSTS
TOTAL COSTS

32 BU.
44 BU.

BREAK-EVEN PRICE

VARIABLE COSTS
TOTAL COSTS

\$9.07
\$12.27

* 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	\$2.78	\$6.81
4	BROADCAST DEEP TILLAGE	1.00	0.26	0.24	\$9.17	\$8.86
5	NO-TILL DRILL 16'	1.00	0.15	0.14	\$4.52	\$6.58
5,6,7,8&9	TRACTOR MTD SPRAYER	5.00	0.88	0.80	\$8.55	\$9.05
10	COMBINE LARGE W/ HEADER	1.00	0.28	0.25	\$14.50	\$27.19
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.77	1.61	\$39.52	\$58.49
UNALLOCATED LABOR(HRS./AC.)			2.21			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu.)				
BU.	\$8.91	\$9.41	\$9.90	\$10.40	\$10.89
32	-\$30.97	-\$14.97	\$0.71	\$16.71	\$32.39
33	-\$22.46	-\$5.96	\$10.21	\$26.71	\$42.88
35	-\$5.44	\$12.06	\$29.21	\$46.71	\$63.86
37	\$11.58	\$30.08	\$48.21	\$66.71	\$84.84
39	\$28.60	\$48.10	\$67.21	\$86.71	\$105.82

CHEMICAL USE ASSUMPTIONS FOR 35 BUSHEL SOYBEANS - 7-10" ROWS					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES:					
paraquat (Gramoxone Extra)	PT	2.00	\$3.88	\$7.75	MAY
s-metolachlor (Dual Magnum EC)	PT	1.00	\$11.13	\$11.13	MAY
imazethapyr (Pursuit)	OZ	1.44	\$0.45	\$0.64	JUN
thifensulfuron+tribenuron (Harmony GT 75	OZ	0.083	\$12.80	\$1.06	JUL
INSECTICIDE					
cyfluthrin (Baythroid)	OZ	2.00	\$1.74	\$3.48	SEP
aldicarb (Temik)	LB	5.00	\$3.10	\$15.50	MAY
FUNGICIDE					
pyraclostrobin (Headline)	OZ	8.00	\$2.52	\$20.16	AUG
TOTAL:				\$59.72	

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 Pawel Wiatrak, (803) 284-3343, pwiatra@clemson.edu.

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