

CLEMSON

EXTENSION

Department of Applied Economics and Statistics

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SOYBEANS - FULL SEASON, CONVENTIONAL TILLAGE, 30" ROWS

ESTIMATED COSTS AND RETURNS PER ACRE, 2010/2011
35 BUSHEL ACTUAL YIELD.

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
SOYBEANS	BU.	35.00	\$10.00	\$350.00	_____
TOTAL RECEIPTS:				\$350.00	_____
2. VARIABLE COSTS					
SEED (CERTIFIED) **	BU.	0.56	\$28.50	\$15.96	_____
FERTILIZER ***					
PHOSPHATE	LBS	50.00	\$0.61	\$30.50	_____
POTASH	LBS	50.00	\$0.55	\$27.50	_____
LIME (PRORATED)	TON	0.50	\$51.50	\$25.75	_____
HERBICIDES	ACRE	1.00	\$19.02	\$19.02	_____
INSECTICIDES	ACRE	1.00	\$21.62	\$21.62	_____
FUNGICIDES	ACRE	1.00	\$21.42	\$21.42	_____
AERIAL APPLICATION	APPL	1.00	\$6.00	\$6.00	_____
HAULING	BU.	35.00	\$0.40	\$14.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$44.59	\$44.59	_____
LABOR	HRS	5.02	\$6.50	\$32.63	_____
INTEREST ON OP. CAP.	DOL.	\$106.18	9.0%	\$9.56	_____
TOTAL VARIABLE COSTS:				\$268.55	_____
3. INCOME ABOVE VARIABLE COSTS:				\$81.45	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$63.85	\$63.85	_____
TOTAL FIXED COSTS:				\$63.85	_____
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$268.55	9.0%	\$24.17	_____
TOTAL OTHER COSTS:				\$49.17	_____
6. TOTAL COSTS:				\$381.57	_____
7. NET RETURNS TO RISK AND MANAGEMENT:				-\$31.57	_____

BREAK-EVEN YIELD

VARIABLE COSTS
TOTAL COSTS

27 BU.
38 BU.

BREAK-EVEN PRICE

VARIABLE COSTS
TOTAL COSTS

\$7.67
\$10.90

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

** CONVENTIONAL SEED.

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

SOYBEANS - FULL SEASON, CONVENTIONAL TILLAGE, 30" ROWS						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 35 BUSHEL SOYBEANS - 30" 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	HEAVY DISK 16'	1.00	0.13	0.12	\$3.71	\$4.14
4	DISK W/ SPRAYER 16'	1.00	0.17	0.15	\$2.97	\$3.77
5	SUBSOILER-PLANTER 6-ROW	1.00	0.20	0.18	\$7.34	\$8.93
5,6,7,8&9	TRACTOR MTD SPRAYER	5.00	0.88	0.80	\$8.55	\$9.05
6&7	CULTIVATOR 6-ROW	2.00	0.37	0.34	\$4.74	\$3.96
10	COMBINE LARGE W/ HEADER	1.00	0.28	0.25	\$14.50	\$27.19
PER ACRE TOTALS FOR SELECTED OPERATIONS			2.23	2.02	\$44.59	\$63.85
UNALLOCATED LABOR(HRS./AC.)			2.79			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu.)				
BU.	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00
32	\$20.65	\$36.65	\$52.65	\$68.65	\$84.65
33	\$29.25	\$45.75	\$62.25	\$78.75	\$95.25
35	\$46.45	\$63.95	\$81.45	\$98.95	\$116.45
37	\$63.65	\$82.15	\$100.65	\$119.15	\$137.65
39	\$80.85	\$100.35	\$119.85	\$139.35	\$158.85

CHEMICAL USE ASSUMPTIONS FOR 35 BUSHEL SOYBEANS - 30" ROWS					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES:					
s-metolachlor (Dual Magnum EC)	PT	1.00	\$12.30	\$12.30	MAY
imazethapyr (Pursuit)	OZ	1.44	\$4.00	\$5.77	JUN
thifensulfuron+tribenuron (Harmony GT 75)	OZ	0.083	\$11.44	\$0.95	JUL
INSECTICIDE					
cyfluthrin (Baythroid)	OZ	2.00	\$2.11	\$4.22	SEP
aldicarb (Temik)	LB	5.00	\$3.48	\$17.40	MAY
FUNGICIDE					
pyraclostrobin (Headline)	OZ	8.00	\$2.68	\$21.42	AUG
TOTAL:				\$62.06	
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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