

# CLEMSON

## EXTENSION

Department of Applied Economics and Statistics

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### SOYBEANS - FOLLOWING WHEAT, CONSERVATION TILLAGE, 7-10" ROWS

ESTIMATED COSTS AND RETURNS PER ACRE, 2009/2010  
65 BUSHEL WHEAT YIELD AND 30 BUSHEL SOYBEANS YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
SOYBEANS	BU.	30.00	\$9.90	\$297.00	_____
WHEAT	BU.	65.00	\$6.50	\$422.50	_____
TOTAL RECEIPTS:				<b>\$719.50</b>	_____
<b>2. VARIABLE COSTS</b>					
SEED (WHEAT)	BU.	2.00	\$17.38	\$34.76	_____
SEED (SOYBEANS) **	BU.	0.83	\$31.00	\$25.73	_____
FERTILIZER ***					
NITROGEN	LBS	90.00	\$0.95	\$85.50	_____
PHOSPHATE	LBS	60.00	\$1.28	\$76.80	_____
POTASH	LBS	60.00	\$0.90	\$54.00	_____
LIME (PRORATED)	TON	0.50	\$51.00	\$25.50	_____
HERBICIDES	ACRE	1.00	\$37.91	\$37.91	_____
INSECTICIDES	ACRE	1.00	\$21.99	\$21.99	_____
FUNGICIDES	ACRE	1.00	\$35.28	\$35.28	_____
AERIAL APPLICATION	APPL	1.00	\$6.00	\$6.00	_____
HAULING	BU.	95.00	\$0.40	\$38.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$61.09	\$61.09	_____
LABOR	HRS	4.61	\$6.50	\$29.97	_____
INTEREST ON OP. CAP.	DOL.	\$232.28	9.0%	\$20.91	_____
TOTAL VARIABLE COSTS:				<b>\$553.44</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$166.06</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$100.04	\$100.04	_____
TOTAL FIXED COSTS:				<b>\$100.04</b>	_____
<b>5. OTHER COSTS</b>					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$553.44	9.0%	\$49.81	_____
TOTAL OTHER COSTS:				<b>\$74.81</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$728.29</b>	_____
<b>7. NET RETURNS TO RISK AND MANAGEMENT:</b>				<b>-\$8.79</b>	_____

#### BREAK-EVEN YIELD (SOYBEANS)

VARIABLE COSTS  
TOTAL COSTS

34  
45

#### BREAK-EVEN PRICE (SOYBEANS)

VARIABLE COSTS  
TOTAL COSTS

\$11.07  
\$14.57

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

\*\* CONVENTIONAL SEED.

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

SOYBEANS - FOLLOWING WHEAT, CONSERVATION TILLAGE, 7-10" ROWS						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR DOUBLE-CROP - 7-10" ROWS						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
10	FERTILIZER SPREADER	1.50	0.20	0.18	\$2.78	\$6.81
11	BROADCAST DEEP TILLAGE	1.00	0.26	0.24	\$9.17	\$8.86
6&11	NO-TILL DRILL 16'	2.00	0.31	0.28	\$9.04	\$13.16
6,8&9	TRACTOR MTD SPRAYER	3.00	0.53	0.48	\$5.13	\$5.43
12,1&4	HIBOY	3.00	0.20	0.18	\$5.97	\$11.40
11&6	COMBINE LARGE W/ HEADER	2.00	0.55	0.50	\$29.00	\$54.38
PER ACRE TOTALS FOR SELECTED OPERATIONS			2.05	1.86	\$61.09	\$100.04
UNALLOCATED LABOR(HRS./AC.)			2.56			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD (BU.)		PRICE (\$/bu.)				
SOYBEANS ----->>		\$8.91	\$9.41	\$9.90	\$10.40	\$10.89
WHEAT ----->>		\$5.85	\$6.18	\$6.50	\$6.83	\$7.15
24	52	-\$27.80	\$1.36	\$29.76	\$58.92	\$87.32
27	59	\$35.88	\$68.85	\$100.96	\$133.93	\$166.04
30	65	\$94.11	\$130.56	\$166.06	\$202.51	\$238.01
33	72	\$157.79	\$198.05	\$237.26	\$277.52	\$316.73
36	78	\$216.02	\$259.76	\$302.36	\$346.10	\$388.70

CHEMICAL USE ASSUMPTIONS FOR DOUBLE-CROP - 7-10" ROWS					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES:					
		0.083	\$12.80	\$1.06	AUG
		1.00	\$3.88	\$3.88	JUN
		1.00	\$11.13	\$11.13	JUN
WHEAT----->		0.50	\$12.80	\$6.40	JAN
WHEAT----->		4.75	\$3.25	\$15.44	DEC
FUNGICIDES					
		8.00	\$2.52	\$20.16	SEP
WHEAT----->		6.00	\$2.52	\$15.12	DEC
INSECTICIDES					
		2.00	\$1.74	\$3.48	SEP
		5.00	\$3.10	\$15.50	JUN
WHEAT----->		1.90	\$1.58	\$3.01	APR
TOTAL:				\$95.18	

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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