

CLEMSON

EXTENSION

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PEANUTS - IRRIGATED - STRIP TILL

ESTIMATED COSTS AND RETURNS PER ACRE, 2009/2010
4000 POUND YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
PEANUTS	LBS	4000.00	\$0.250	\$1,000.00	_____
TOTAL RECEIPTS:				\$1,000.00	_____
2. VARIABLE COSTS					
SEED	LBS	120.00	\$0.70	\$84.00	_____
INOCULANT	OZ	14.00	\$1.00	\$14.00	_____
FERTILIZER					
PHOSPHATE	LBS	40.00	\$1.28	\$51.20	_____
POTASH	LBS	60.00	\$0.90	\$54.00	_____
BORON	LBS	2.50	\$1.25	\$3.13	_____
MANGANESE	LBS	5.00	\$0.33	\$1.65	_____
LIME (PRORATED)	TON	0.50	\$51.00	\$25.50	_____
LAND PLASTER (SPREAD)	TON	0.75	\$32.00	\$24.00	_____
HERBICIDES	ACRE	1.00	\$58.04	\$58.04	_____
INSECTICIDES	ACRE	1.00	\$12.58	\$12.58	_____
FUNGICIDES	ACRE	1.00	\$84.56	\$84.56	_____
GROWTH REGULATOR	ACRE	1.00	\$15.90	\$15.90	_____
IRRIG., MACH & LABOR **	ACRE	1.00	\$39.91	\$39.91	_____
CONSULTANT FEE	ACRE	1.00	\$15.00	\$15.00	_____
HAULING	TON	2.00	\$20.00	\$40.00	_____
DRYING & CLEANING	TON	2.00	\$40.00	\$80.00	_____
STATE CHECK-OFF FEE	TON	2.00	\$2.00	\$4.00	_____
NATIONAL ASSESMENT **	ACRE	1.00	\$7.10	\$7.10	_____
CROP INSURANCE	ACRE	1.00	\$12.00	\$12.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$58.65	\$58.65	_____
LABOR	HRS	4.46	\$6.50	\$28.99	_____
INTEREST ON OP. CAP.	DOL.	\$271.06	9.0%	\$24.40	_____
TOTAL VARIABLE COSTS:				\$738.61	_____
3. INCOME ABOVE VARIABLE COSTS:				\$261.39	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$113.30	\$113.30	_____
IRRIGATION	ACRE	1.00	\$108.86	\$108.86	_____
TOTAL FIXED COSTS:				\$222.16	_____
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$50.00	\$50.00	_____
GENERAL OVERHEAD	DOL.	\$738.61	9.0%	\$66.47	_____
TOTAL OTHER COSTS:				\$116.47	_____
6. TOTAL COSTS:				\$1,077.24	_____
7. NET RETURNS TO RISK AND MANAGEMENT:				-\$77.24	_____

BREAK-EVEN YIELD

			BREAK-EVEN PRICE	
VARIABLE COSTS	2820	LBS	VARIABLE COSTS	\$0.185
TOTAL COSTS	4400	LBS	TOTAL COSTS	\$0.269

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

** 4 IRRIGATIONS OF 1 INCH PER ACRE

*** NATIONAL ASSESMENT IS 1% OF GROSS RECEIPT AT LOAN RATE AND IS ALSO NAMED NATIONAL PROMOTION AND RESEARCH

PEANUTS - IRRIGATED - STRIP TILL						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 4000 YIELD PEANUTS						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
5	STRIP TILL RIG	1.00	0.34	0.31	\$5.92	\$9.87
4-9	HIBOY	8.00	0.53	0.48	\$15.92	\$30.40
6	FERTILIZER SPREADER	1.00	0.13	0.12	\$1.85	\$4.54
10	DIGGER INVERTER 6-ROW	1.00	0.37	0.34	\$12.82	\$13.11
10	PEANUT COMBINE 4-ROW	1.00	0.61	0.55	\$22.14	\$55.38
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.98	1.80	\$58.65	\$113.30
UNALLOCATED LABOR(HRS./AC.)			2.48			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/lbs.)				
LBS.	\$0.21	\$0.23	\$0.25	\$0.27	\$0.29
3000	-\$81.16	-\$21.16	\$38.84	\$98.84	\$158.84
3500	\$6.57	\$76.57	\$146.57	\$216.57	\$286.57
4000	\$94.29	\$174.29	\$254.29	\$334.29	\$414.29
4500	\$182.02	\$272.02	\$362.02	\$452.02	\$542.02
5000	\$269.74	\$369.74	\$469.74	\$569.74	\$669.74

CHEMICAL USE ASSUMPTIONS FOR 4000 YIELD PEANUTS					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES:					
glyphosate (Roundup ultra)	QT	1.50	\$7.65	\$11.48	APR
pendimethalin (Prowl)	PT	2.30	\$2.54	\$5.85	APR
flumioxazin (Valor)	OZ	3.00	\$3.91	\$11.73	MAY
imazameth (Cadre)	OZ	4.00	\$4.73	\$18.91	JUN
2, 4-DB	PT	1.00	\$2.79	\$2.79	JUN
clethodim (Select)	OZ	8.00	\$0.91	\$7.28	JUL
INSECTICIDES:					
lambda-cyhalothrin (Karate-Z)	OZ	1.60	\$1.58	\$2.53	AUG
phorate (Thimet)	LB	5.00	\$2.01	\$10.05	MAY
FUNGICIDES:					
chlorothalonil (Bravo)	PT	4.50	\$3.56	\$16.03	JUN/JUL/AUG/SEP
prothioconazole+tebuconazole (Provost)	OZ	20.00	\$2.32	\$46.48	2X JUL/AUG
flutolanil+propiconazole (Artisan)	OZ	32.00	\$0.69	\$22.05	AUG/SEP
GROWTH REGULATOR:					
prohexadione calcium (Apogee)	OZ	4.80	\$3.31	\$15.90	2X JUL
TOTAL:				\$171.08	

The above listed chemicals are examples and do not imply exclusive recommendations by Clemson University. See PeanutMoneyMaker production guide: virtual.clemson.edu/groups/peanuts. Production assumptions provided by Jay W. Chapin, Extension Specialist, (803) 284-3343, jchapin@clemson.edu.

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