

CLEMSON

EXTENSION

Department of Applied Economics and Statistics

Phone: 864-656-3475



PEANUTS - DRYLAND, CONVENTIONAL TILLAGE

ESTIMATED COSTS AND RETURNS PER ACRE, 2009/2010
3000 POUND YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
PEANUTS	LBS	3000.00	\$0.250	\$750.00	_____
TOTAL RECEIPTS:				\$750.00	_____
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	40.00	\$0.90	\$36.00	_____
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	\$46.56	\$46.56	_____
INSECTICIDES	ACRE	1.00	\$12.58	\$12.58	_____
FUNGICIDES	ACRE	1.00	\$64.79	\$64.79	_____
GROWTH REGULATOR	ACRE	1.00	\$15.90	\$15.90	_____
CONSULTANT FEE	ACRE	1.00	\$15.00	\$15.00	_____
HAULING	TON	1.50	\$20.00	\$30.00	_____
DRYING & CLEANING	TON	1.50	\$40.00	\$60.00	_____
STATE CHECK-OFF FEE	TON	1.50	\$2.00	\$3.00	_____
NATIONAL ASSESSMENT **	ACRE	1.00	\$5.33	\$5.33	_____
CROP INSURANCE	ACRE	1.00	\$12.00	\$12.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$69.49	\$69.49	_____
LABOR	HRS	5.11	\$6.50	\$33.22	_____
INTEREST ON OP. CAP.	DOL.	\$231.90	9.0%	\$20.87	_____
TOTAL VARIABLE COSTS:				\$628.22	_____
3. INCOME ABOVE VARIABLE COSTS:				\$121.78	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$120.69	\$120.69	_____
TOTAL FIXED COSTS:				\$120.69	_____
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$40.00	\$40.00	_____
GENERAL OVERHEAD	DOL.	\$628.22	9.0%	\$56.54	_____
TOTAL OTHER COSTS:				\$96.54	_____
6. TOTAL COSTS:				\$845.45	_____
7. NET RETURNS TO RISK AND MANAGEMENT:				-\$95.45	_____

BREAK-EVEN YIELD		BREAK-EVEN PRICE	
VARIABLE COSTS	2449 LBS	VARIABLE COSTS	\$0.209
TOTAL COSTS	3461 LBS	TOTAL COSTS	\$0.282

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

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

PEANUTS - DRYLAND, CONVENTIONAL TILLAGE						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 3000 YIELD PEANUTS						
MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED
		OVER	HOURS	HOURS	COSTS	COSTS
4	HEAVY DISK 14'	2.00	0.33	0.30	\$8.04	\$8.66
5	LIGHT DISKING W/ HERBICIDE	1.00	0.17	0.15	\$3.37	\$3.47
5	SUBSOILER-PLANTER 6-ROW	1.00	0.20	0.18	\$7.34	\$8.93
5-9	HIBOY	7.00	0.46	0.42	\$13.93	\$26.60
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			2.27	2.06	\$69.49	\$120.69
UNALLOCATED LABOR(HRS./AC.)			2.84			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	PRICE (\$/lbs.)					
	LBS.	\$0.21	\$0.23	\$0.25	\$0.27	\$0.29
2000		-\$177.22	-\$137.22	-\$97.21	-\$57.21	-\$17.21
2500		-\$89.05	-\$39.05	\$10.95	\$60.95	\$110.95
3000		-\$0.88	\$59.12	\$119.12	\$179.12	\$239.12
3500		\$87.29	\$157.29	\$227.29	\$297.29	\$367.29
4000		\$175.46	\$255.46	\$335.46	\$415.46	\$495.46

CHEMICAL USE ASSUMPTIONS FOR 3000 YIELD PEANUTS					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES:					
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	6.50	\$3.56	\$23.16	UN/JUL/AUG/SEP
tebuconazole(Folicur)	OZ	28.80	\$1.45	\$41.63	4X JUL/AUG/SEP
GROWTH REGULATOR:					
prohexadione calcium (Apogee)	OZ	4.80	\$3.31	\$15.90	2X JUL
TOTAL:				\$139.83	

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.

THE CLEMSON UNIVERSITY COOPERATIVE EXTENSION SERVICE OFFERS ITS PROGRAMS TO PEOPLE OF ALL AGES, REGARDLESS OF RACE, COLOR, SEX, RELIGION, NATIONAL ORIGIN, OR HANDICAP AND IS AN EQUAL OPPORTUNITY EMPLOYER. COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS-- STATE OF SOUTH CAROLINA, CLEMSON UNIVERSITY, U.S. DEPARTMENT OF AGRICULTURE, AND SOUTH CAROLINA COUNTIES COOPERATING.