

CLEMSON COOPERATIVE EXTENSION

Last revised: 02/06/2017

PEANUTS - IRRIGATED, CONVENTIONAL TILLAGE

ESTIMATED COSTS AND RETURNS PER ACRE
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	\$0.85	\$102.00	_____
INOCULANT	OZ	14.00	\$1.35	\$18.90	_____
FERTILIZER					
PHOSPHATE	LBS	40.00	\$0.51	\$20.40	_____
POTASH	LBS	60.00	\$0.40	\$24.00	_____
BORON	LBS	2.50	\$1.55	\$3.88	_____
MANGANESE	LBS	5.00	\$0.44	\$2.20	_____
LIME (PRORATED)	TON	0.50	\$47.50	\$23.75	_____
LAND PLASTER (SPREAD)	TON	0.75	\$60.00	\$45.00	_____
HERBICIDES	ACRE	1.00	\$89.16	\$89.16	_____
INSECTICIDES	ACRE	1.00	\$21.09	\$21.09	_____
FUNGICIDES	ACRE	1.00	\$105.50	\$105.50	_____
GROWTH REGULATOR	ACRE	1.00	\$24.45	\$24.45	_____
IRRIG., MACH & LABOR **	ACRE	1.00	\$30.00	\$30.00	_____
CROP SCOUTING	ACRE	1.00	\$10.00	\$10.00	_____
HAULING	TON	2.00	\$15.00	\$30.00	_____
CROP INSURANCE	ACRE	1.00	\$20.00	\$20.00	_____
DRYING & CLEANING	TON	1.33	\$50.00	\$66.70	_____
STATE CHECK-OFF FEE	TON	2.00	\$2.00	\$4.00	_____
NATIONAL ASSESMENT **	ACRE	1.00	\$7.10	\$7.10	_____
TRACTOR/MACHINERY	ACRE	1.00	\$78.46	\$78.46	_____
LABOR	HRS	4.84	\$11.25	\$54.45	_____
INTEREST ON OP. CAP.	DOL.	\$390.52	5.0%	\$19.53	_____
TOTAL VARIABLE COSTS:				\$800.57	=====
3. INCOME ABOVE VARIABLE COSTS:				\$199.43	=====
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$151.99	\$151.99	_____
IRRIGATION	ACRE	1.00	\$100.00	\$100.00	_____
TOTAL FIXED COSTS:				\$251.99	=====
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$60.00	\$60.00	_____
GENERAL OVERHEAD	DOL.	\$800.57	7.0%	\$56.04	_____
TOTAL OTHER COSTS:				\$116.04	=====
6. TOTAL COSTS:				\$1,168.60	=====
7. NET RETURNS TO RISK AND MANAGEMENT:				-\$168.60	=====

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	3372 LBS	VARIABLE COSTS	\$0.200
TOTAL COSTS	5007 LBS	TOTAL COSTS	\$0.292

* 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 AS

PEANUTS - IRRIGATED, CONVENTIONAL TILLAGE						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 4000 YIELD PEANUTS						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
4	HEAVY DISK 14'	2.00	0.33	0.30	\$6.34	\$7.56
5	LIGHT DISKING W/ HERBICIDE 16'	1.00	0.17	0.15	\$2.82	\$3.11
5	PLANTER W/ SPRAYER 8-ROW	1.00	0.13	0.12	\$3.12	\$4.62
5-9	SELF PROPELLED SPRAYER 90'	8.00	0.09	0.08	\$6.32	\$7.84
10	DIGGER INVERTER 6-ROW	1.00	0.37	0.34	\$16.94	\$20.03
10	PEANUT COMBINE 4-ROW	1.00	0.61	0.55	\$28.89	\$82.34
10	PEANUT DUMP CART	1.00	0.45	0.41	\$14.03	\$26.49
PER ACRE TOTALS FOR SELECTED OPERATIONS			\$2.15	\$1.95	\$78.46	\$151.99
UNALLOCATED LABOR(HRS./AC.)			2.69			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	PRICE (\$/lbs.)					
	LBS.	\$0.21	\$0.23	\$0.25	\$0.27	\$0.29
3000		-\$173.92	-\$113.92	-\$53.92	\$6.08	\$66.08
3500		-\$87.45	-\$17.45	\$52.56	\$122.56	\$192.56
4000		-\$0.97	\$79.03	\$159.03	\$239.03	\$319.03
4500		\$85.51	\$175.51	\$265.51	\$355.51	\$445.51
5000		\$171.98	\$271.98	\$371.98	\$471.98	\$571.98

CHEMICAL USE ASSUMPTIONS FOR 4000 YIELD PEANUTS					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES:					
pendimethalin (Prowl)	PT	2.30	\$3.44	\$7.91	APR
flumioxazin (Valor)	OZ	3.00	\$7.06	\$21.19	MAY
imazapic (Cadre)	OZ	4.00	\$4.29	\$17.14	JUN
paraquat (Gramoxone Extra)	PT	0.75	\$4.75	\$3.56	JUN
metolachlor (Dual Magnum)	OZ	16.00	\$0.91	\$14.50	JUN
2, 4-DB	PT	1.00	\$4.05	\$4.05	JUN
lactofen (Cobra)	OZ	12.50	\$1.01	\$12.59	JUL
clethodim (Select)	OZ	8.00	\$0.76	\$6.09	JUL
2,4-D	PT	1.00	\$2.13	\$2.13	JUL
INSECTICIDES:					
lambda-cyhalothrin (Karate-Z)	OZ	1.60	\$2.77	\$4.44	AUG
phorate (Thimet)	LB	5.00	\$3.33	\$16.65	MAY
FUNGICIDES:					
chlorothalonil (Bravo)	PT	4.50	\$5.56	\$25.03	JUN/JUL/AUG/SEP
prothioconazole+tebuconazole (Provost)	OZ	20.00	\$2.49	\$49.84	2X JUL/AUG
flutolanil+propiconazole (Artisan)	OZ	32.00	\$0.96	\$30.63	AUG/SEP
GROWTH REGULATOR:					
prohexadione calcium (Apogee)	OZ	4.80	\$5.09	\$24.45	2X JUL
TOTAL:				\$240.20	

The above listed chemicals are examples and do not imply exclusive recommendations by Clemson University. Contact your local Extension Agent and consult the South Carolina Pest Management Handbook for more information.

Clemson University Cooperative Extension Service offers its programs to people of all ages, regardless of race, color, gender, religion, national origin, disability, political beliefs,sexual orientation, gender identity, marital or family status and is an equal opportunity employer.