Peanuts, Runner Type-Strip Till-2024

NC STATE UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2024
4000 POUND YIELD STATE AVERAGE

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
PEANUTS	LBS	4000.00	$0.24	$960.00	
TOTAL RECEIPTS:				**$960.00**	
2. VARIABLE COSTS					
RUNNER SEED	LBS	110.00	$0.96	$105.60	
INOCULANT	ACRE	0.25	$91.82	$22.96	
FERTILIZER					
30% NITROGEN SOLUTION	CWT	0.00	$15.00	$0.00	
46% SUPERPHOSPHATE	LBS	30.00	$0.30	$9.00	
0-0-60 MURATE OF POTASH	LBS	90.00	$0.46	$41.40	
MANGANESE SULFATE	LBS	3.00	$0.74	$2.22	
SOLUBOR (20%)	LBS	25.00	$2.00	$50.00	
LIME SPREAD	TON	0.50	$95.00	$47.50	
GYPSUM SPREAD	TON	0.30	$95.00	$28.50	
HERBICIDES	ACRE	1.00	$99.63	$99.63	
INSECTICIDES	ACRE	1.00	$30.24	$30.24	
FUNGICIDES	ACRE	1.00	$78.62	$78.62	
SCOUTING	ACRE	1.00	$20.00	$20.00	
HAULING	TON	2.00	$12.00	$23.95	
DRYING & CLEANING	TON	2.00	$45.00	$89.82	
STATE CHECK-OFF FEE	TON	2.00	$3.00	$5.99	
NATIONAL ASSESMENT	DOL.	$ 960.00	0.95%	$9.12	
CROP INSURANCE	ACRE	1.00	$30.00	$30.00	
TRACTOR/MACHINERY	ACRE	1.00	$120.80	$120.80	
LABOR	HRS	4.21	$14.91	$62.77	
INTEREST ON OP. CAP.	DOL.	$349.62	8.5%	$29.72	
TOTAL VARIABLE COSTS:				**$907.84**	
3. INCOME ABOVE VARIABLE COSTS:				**$52.16**	
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	$299.47	$299.47	
TOTAL FIXED COSTS:				**$299.47**	
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	$907.84	7.0%	$63.55	
TOTAL OTHER COSTS:				**$63.55**	
6. TOTAL COSTS:				**$1,270.86**	
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				**-$310.86**	

BREAK-EVEN YIELD			**BREAK-EVEN PRICE**	
VARIABLE COSTS	3780	LBS	VARIABLE COSTS	$0.23
TOTAL COSTS	5561	LBS	TOTAL COSTS	$0.32

* THIS BUDGET WAS DEVELOPED FOR PLANNING PURPOSES ONLY AND DOES NOT INCLUDE LAND RENT

** NATIONAL ASSESSMENT IS 1% OF GROSS RECEIPT AND IS ALSO NAMED NATIONAL LOSS,PROMOTION,RESEARCH ASSESSMENT

*FERTILIZER COST IS PRICE PER LB OF FERTILZER LISTED, FARMERS SHOULD USE SOIL TEST TO DETERIMINE NUTRIENT RATES

*FERTILIZER AMOUNTS ARE BASED ON REMOVAL RATES , NUTRIENT REMOVAL RATES CAN BE FOUND HERE

PEANUTS - STRIP TILL-RUNNER

PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 3800 YIELD PEANUTS

MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
4	STRIP TILL RIG	1.00	0.26	0.22	$17.37	$47.48
4	PEANUT PLANTER	1.00	0.25	0.21	$6.12	$14.57
5,6,7,8,9	HIBOY 90'	8.00	0.29	0.24	$53.28	$99.76
6	DIGGER INVERTER 6-ROW	1.00	0.41	0.34	$16.41	$33.46
10	PEANUT COMBINE 4-ROW	1.00	0.66	0.55	$27.62	$104.20
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.87	1.56	$120.80	$299.47
UNALLOCATED LABOR(HRS./AC.)			2.34			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES

YIELD	PRICE ($/lbs)				
LBS.	$0.20	$0.23	$0.24	$0.26	$0.28
3000	-$278.68	-$190.17	-$160.66	-$101.65	-$42.64
3500	-$195.30	-$92.03	-$57.61	$11.23	$80.08
4000	-$111.92	$6.10	$45.44	$124.12	$202.80
4500	-$28.54	$104.23	$148.49	$237.00	$325.52
5000	$54.84	$202.36	$251.54	$349.89	$448.24

*NC STATE DOES NOT ENDORSE ANY COMPANY OR CHEMICAL NAMES ASSOCIATED TO ACTIVE INGREDIENTS

**CHEMICALS LISTED ARE NOT A RECOMMENDATION FOR CHEMICAL USE BUT A REPRESENTATION OF COST ASSUMPTIONS ONLY

*PEST CONTROL ASSUMPTIONS FOR 3800 YIELD PEANUTS

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
**HERBICIDES:					
glyphosate (Roundup ultra)	QT	1.00	$8.50	$8.50	APR
2,4-D	PT	1.00	$4.32	$4.32	APR
paraquat (Gramoxone Extra)	PT	3.00	$2.50	$7.50	MAY
s-metolachlor (Dual Magnum EC)	PT	1.33	$10.75	$14.29	MAY
flumioxazin (Valor)	OZ	2.00	$3.85	$7.71	MAY
paraquat (Gramoxone Extra)	PT	0.68	$2.50	$1.70	JUN
bentazon (Basagran)	PT	1.60	$10.00	$16.00	JUN
bentazon + acifluorfen	OZ	1.50	$9.75	$14.63	JUN
2, 4-DB	PT	4.00	$6.24	$24.98	JUN
**INSECTICIDES:					
imidacloprid (Admire Pro)	OZ	9.00	$2.29	$20.61	MAY
lambda-cyhalothrin (Karate-Z)	OZ	2.00	$1.78	$3.56	JUL
acephate (Orthene)	OZ	12.00	$0.51	$6.07	MAY/JUNE
**FUNGICIDES:					
chlorothalonil (Bravo)	PT	1.50	$5.00	$7.50	JUNE
pyraclostrobin (Headline)	OZ	8.00	$3.87	$30.94	JUL
prothioconazole+tebuconazole (Provost)	OZ	10.00	$1.45	$14.50	AUG
indoxacarb (Steward)	OZ	9.50	$1.91	$18.18	SEP
chlorothalonil (Bravo)	PT	1.50	$5.00	$7.50	SEP
TOTAL:				$208.49	

Prepared by: David Jordan, Derek Washburn
North Carolina State University, Dept. Agricultural and Resource Economics