

Peanuts, Strip Till-Virginia Type-2025

NC STATE
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2025
4200 POUND YIELD STATE AVERAGE

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
PEANUTS	LBS	4200.00	\$0.275	\$1,155.00	_____
TOTAL RECEIPTS:				\$1,155.00	_____
2. VARIABLE COSTS					
PEANUTS	LBS	130.00	\$0.93	\$120.90	_____
INOCULANT	OZ	0.25	\$1.10	\$0.28	_____
FERTILIZER					
30% NITROGEN SOLUTION	LBS	0.00	\$0.14	\$0.00	_____
46% SUPERPHOSPHATE	LBS	30.00	\$0.35	\$10.50	_____
0-0-60 MURATE OF POTASH	LBS	90.00	\$0.23	\$20.70	_____
MANGANESE SULFATE	LBS	3.00	\$0.60	\$1.80	_____
SOLUBOR	LBS	3.00	\$1.50	\$4.50	_____
LIME SPREAD	TON	0.50	\$82.00	\$41.00	_____
GYPSUM SPREAD	TON	0.60	\$35.00	\$21.00	_____
HERBICIDES	ACRE	1.00	\$77.14	\$77.14	_____
INSECTICIDES	ACRE	1.00	\$22.68	\$22.68	_____
FUNGICIDES	ACRE	1.00	\$77.82	\$77.82	_____
GROWTH REGULATOR	ACRE	1.00	\$23.06	\$23.06	_____
CONSULTING SERVICES***	ACRE	1.00	\$20.00	\$20.00	_____
HAULING	TON	2.10	\$12.00	\$25.15	_____
DRYING & CLEANING	TON	2.10	\$45.00	\$94.31	_____
STATE CHECK-OFF FEE	TON	2.10	\$3.00	\$6.29	_____
NATIONAL ASSESMENT**	DOL.	\$1,155.00	0.95%	\$10.97	_____
CROP INSURANCE	ACRE	1.00	\$30.00	\$30.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$111.63	\$111.63	_____
LABOR	HRS	4.21	\$15.81	\$66.56	_____
INTEREST ON OP. CAP.	DOL.	309.785	5.375%	\$16.65	_____
TOTAL VARIABLE COSTS:				\$802.94	_____
3. INCOME ABOVE VARIABLE COSTS:				\$352.06	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$256.40	\$256.40	_____
TOTAL FIXED COSTS:				\$256.40	_____
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$802.94	7.0%	\$56.21	_____
TOTAL OTHER COSTS:				\$56.21	_____
6. TOTAL COSTS:				\$1,115.55	_____
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				\$39.45	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	2770 LBS	VARIABLE COSTS	\$0.19
TOTAL COSTS	4071 LBS	TOTAL COSTS	\$0.27

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

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

***CONSULTING SERVICES INCLUDE SOIL SAMPLING WITH ANALYSIS AND SCOUTING IN SEASON

*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 - VIRGINIA						
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	\$16.18	\$40.46
4	PEANUT PLANTER	1.00	0.25	0.21	\$5.42	\$12.39
5,6,7,8,9	HIBOY 90'	8.00	0.29	0.24	\$49.84	\$85.84
6	DIGGER INVERTER 6-ROW	1.00	0.41	0.34	\$14.80	\$28.47
10	PEANUT COMBINE 4-ROW	1.00	0.66	0.55	\$25.39	\$89.24
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.87	1.56	\$111.63	\$256.40
UNALLOCATED LABOR(HRS./AC.)			2.34			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	PRICE (\$/lbs)					
LBS.	\$0.23	\$0.26	\$0.28	\$0.30	\$0.32	
3000	-\$77.43	\$11.09	\$55.35	\$129.11	\$188.12	
3500	\$20.71	\$123.97	\$175.61	\$261.66	\$330.51	
4200	\$158.09	\$282.01	\$343.97	\$447.24	\$529.86	
4500	\$216.97	\$349.74	\$416.13	\$526.77	\$615.29	
5000	\$315.10	\$462.63	\$536.39	\$659.33	\$757.68	

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

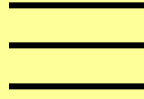
**CHEMICALS LISTED ARE NOT A RECOMMENDATION FOR CHEMICAL USE BUT A REPRESENTATION OF COST ASSUMPTIONS ONLY

*PEST CONTROL USE ASSUMPTIONS FOR 3800 YIELD PEANUTS						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
**HERBICIDES:						
glyphosate (Roundup ultra)	QT	1.00	\$6.22	\$6.22	APR	
2,4-D	PT	1.00	\$2.23	\$2.23	APR	
paraquat (Gramoxone Extra)	PT	1.50	\$6.00	\$9.00	MAY	
s-metolachlor (Dual Magnum EC)	PT	1.33	\$9.25	\$12.30	MAY	
flumioxazin (Valor)	OZ	2.00	\$2.76	\$5.52	MAY	
paraquat (Gramoxone Extra)	PT	0.68	\$6.00	\$4.08	JUN	
bentazon (Basagran)	PT	1.60	\$8.56	\$13.70	JUN	
bentazon + acifluorfen (Storm)	OZ	1.50	\$0.75	\$1.12	JUN	
2, 4-DB	PT	4.00	\$5.74	\$22.97	JUN	
**INSECTICIDES:						
imidacloprid (Admire Pro)	OZ	9.00	\$1.35	\$12.11	MAY	
lambda-cyhalothrin (Warrior II)	OZ	2.00	\$2.29	\$4.57	JUL	
acephate (Orthene)	OZ	12.00	\$0.50	\$6.00	MAY/JUNE	
**FUNGICIDES:						
chlorothalonil (Bravo)	PT	1.50	\$4.00	\$6.00	JUNE	
prothioconazole+tebuconazole (Provost)	OZ	10.00	\$1.56	\$15.62	JUL	
pydiflumetofen (Miravas)	OZ	3.40	\$6.75	\$22.95	AUG	
azoxystrobin+benzovindiflupyr (Elatius)	OZ	7.60	\$1.53	\$11.63	AUG	
prothioconazole+tebuconazole (Provost)	OZ	10.00	\$1.56	\$15.62	SEP	
chlorothalonil (Bravo)	PT	1.50	\$4.00	\$6.00	SEP	
**GROWTH REGULATORS:						
prohexadione calcium (Kudos)	OZ	7.25	\$3.18	\$23.06	JUL	
TOTAL:				\$200.70		

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

NUM
8.0
44.1
34.0
37.0
36.0
44.2
44.0
40.0
39.0

177.64



EQUIP NUM

118
58
7
34
57

CHEM NUM

109
1
59
161
187
59
13
75
2

140
63
91

22
195
40
41
195
22

188
