

Peanuts, Runner Type-Strip Till-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	\$0.260	\$1,092.00	_____
TOTAL RECEIPTS:				\$1,092.00	_____
2. VARIABLE COSTS					
PEANUTS RUNNER	LBS	110.00	\$0.88	\$96.80	_____
INOCULANT	ACRE	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	0.30	\$35.00	\$10.50	_____
HERBICIDES	ACRE	1.00	\$86.14	\$86.14	_____
INSECTICIDES	ACRE	1.00	\$22.68	\$22.68	_____
FUNGICIDES	ACRE	1.00	\$77.82	\$77.82	_____
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.	\$ 1,092.00	0.95%	\$10.37	_____
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.	\$275.46	5.375%	\$14.81	_____
TOTAL VARIABLE COSTS:				\$751.84	_____
3. INCOME ABOVE VARIABLE COSTS:				\$340.16	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$256.40	\$256.40	_____
TOTAL FIXED COSTS:				\$256.40	_____
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$751.84	7.0%	\$52.63	_____
TOTAL OTHER COSTS:				\$52.63	_____
6. TOTAL COSTS:				\$1,060.87	_____
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				\$31.13	_____

BREAK-EVEN YIELD

VARIABLE COSTS
TOTAL COSTS

2727 LBS
4097 LBS

BREAK-EVEN PRICE

VARIABLE COSTS
TOTAL COSTS

\$0.18
\$0.25

* 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-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	\$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.	\$0.22	\$0.25	\$0.26	\$0.29	\$0.30
3000	-\$56.43	\$32.08	\$61.59	\$150.10	\$179.61
3500	\$36.78	\$140.05	\$174.47	\$277.74	\$312.16
4200	\$167.29	\$291.21	\$332.51	\$456.43	\$497.74
4500	\$223.21	\$355.99	\$400.24	\$533.02	\$577.27
5000	\$316.43	\$463.95	\$513.13	\$660.65	\$709.83

*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	\$6.22	\$6.22	APR
2,4-D	PT	1.00	\$2.23	\$2.23	APR
paraquat (Gramoxone Extra)	PT	3.00	\$6.00	\$18.00	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 (Elatus)	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
TOTAL:				\$186.64	