

# Peanuts, Strip Till-Virginia Type-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
<b>1. GROSS RECEIPTS</b>					
PEANUTS	LBS	4000.00	\$0.27	\$1,080.00	_____
TOTAL RECEIPTS:				<b>\$1,080.00</b>	_____
<b>2. VARIABLE COSTS</b>					
PEANUT SEED	LBS	130.00	\$1.03	\$133.90	_____
INOCULANT	OZ	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	0.60	\$95.00	\$57.00	_____
HERBICIDES	ACRE	1.00	\$95.88	\$95.88	_____
INSECTICIDES	ACRE	1.00	\$30.24	\$30.24	_____
FUNGICIDES	ACRE	1.00	\$52.61	\$52.61	_____
GROWTH REGULATOR	ACRE	1.00	\$59.44	\$59.44	_____
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.	\$1,080.00	0.95%	\$10.26	_____
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.	402.86	8.5%	\$34.24	_____
TOTAL VARIABLE COSTS:				<b>\$999.98</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$80.02</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$299.47	\$299.47	_____
TOTAL FIXED COSTS:				<b>\$299.47</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	\$999.98	7.0%	\$70.00	_____
TOTAL OTHER COSTS:				<b>\$70.00</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$1,369.45</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>-\$289.45</b>	_____

## BREAK-EVEN YIELD

	QUANTITY	UNIT	BREAK-EVEN PRICE	
VARIABLE COSTS	3692	LBS	VARIABLE COSTS	\$0.25
TOTAL COSTS	5276	LBS	TOTAL COSTS	\$0.35

\* 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 FERTILIZER LISTED, FARMERS SHOULD USE SOIL TEST TO DETERMINE 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	LABOR	MACHINE	VARIABLE	FIXED
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		OVER	HOURS	HOURS	COSTS	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.	\$0.23	\$0.26	\$0.27	\$0.30	\$0.31
3000	-\$281.17	-\$192.65	-\$163.15	-\$74.63	-\$45.13
3500	-\$183.03	-\$79.77	-\$45.34	\$57.92	\$92.35
4000	-\$84.90	\$33.12	\$72.46	\$190.48	\$229.82
4500	\$13.23	\$146.00	\$190.26	\$323.03	\$367.29
5000	\$111.36	\$258.89	\$308.06	\$455.59	\$504.76

\*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
<b>**HERBICIDES:</b>					
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	1.50	\$2.50	\$3.75	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
<b>**INSECTICIDES:</b>					
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
<b>**FUNGICIDES:</b>					
chlorothalonil (Bravo)	PT	1.50	\$5.00	\$7.50	JUNE
prothioconazole+tebuconazole (Provost)	OZ	10.00	\$1.45	\$14.50	JUL
indoxacarb (Steward)	OZ	9.50	\$1.91	\$18.18	AUG
prothioconazole+tebuconazole (Provost)	OZ	3.40	\$1.45	\$4.93	SEP
chlorothalonil (Bravo)	PT	1.50	\$5.00	\$7.50	SEP
<b>**GROWTH REGULATORS:</b>					
prohexadione calcium (Apogee)	OZ	14.50	\$4.10	\$59.44	JUL
TOTAL:				\$238.17	

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