

# Peanuts, Conventional-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	\$79.31	\$79.31	_____
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	\$113.15	\$113.15	_____
LABOR	HRS	4.59	\$14.91	\$68.44	_____
INTEREST ON OP. CAP.	DOL.	\$383.59	8.5%	\$32.60	_____
TOTAL VARIABLE COSTS:				<b>\$979.79</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$100.21</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$278.70	\$278.70	_____
TOTAL FIXED COSTS:				<b>\$278.70</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	\$979.79	7.0%	\$68.59	_____
TOTAL OTHER COSTS:				<b>\$68.59</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$1,327.08</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>-\$247.08</b>	_____

## BREAK-EVEN YIELD

VARIABLE COSTS	3607 LBS	<u>BREAK-EVEN PRICE</u>	VARIABLE COSTS	\$0.25
TOTAL COSTS	5094 LBS		TOTAL COSTS	\$0.33

\* 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 - CONVENTIONAL VIRGINIA**

<b>PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 3800 YIELD PEANUTS</b>						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
4	HEAVY DISK 20'	2.00	0.24	0.20	\$10.78	\$30.00
4	SUBSOILER-BEDDER 4-ROW	1.00	0.23	0.19	\$5.60	\$9.18
4	PEANUT PLANTER	1.00	0.25	0.21	\$6.12	\$14.57
5,6,7,8,9	HIBOY 90'	7.00	0.25	0.21	\$46.62	\$87.29
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			2.04	1.70	\$113.15	\$278.70
UNALLOCATED LABOR(HRS./AC.)			2.55			

<b>INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES</b>						
YIELD	PRICE (\$/lbs)					
LBS.	\$0.23	\$0.26	\$0.27	\$0.30	\$0.31	
3000	-\$260.98	-\$172.46	-\$142.96	-\$54.44	-\$24.94	
3500	-\$162.84	-\$59.58	-\$25.15	\$78.11	\$112.54	
4000	-\$64.71	\$53.31	\$92.65	\$210.67	\$250.01	
4500	\$33.42	\$166.19	\$210.45	\$343.22	\$387.48	
5000	\$131.55	\$279.08	\$328.25	\$475.78	\$524.95	

\*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

<b>*PEST CONTROL ASSUMPTIONS FOR 3800 YIELD PEANUTS</b>						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
<b>**HERBICIDES:</b>						
s-metolachlor (Dual Magnum EC)	PT	1.33	\$10.75	\$14.29	APR	
flumioxazin (Valor)	OZ	2.00	\$3.85	\$7.71	APR	
paraquat (Gramoxone Extra)	PT	0.68	\$2.50	\$1.70	MAY	
bentazon (Basagran)	PT	1.60	\$10.00	\$16.00	MAY	
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	APR	
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:				\$221.60		

