

# Peanuts, Conventional-Runner 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 (QUOTA)	LBS	4000.00	\$0.24	\$960.00	_____
TOTAL RECEIPTS:				<b>\$960.00</b>	_____
<b>2. VARIABLE COSTS</b>					
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	_____
GYPHOSUM SPREAD	TON	0.30	\$95.00	\$28.50	_____
HERBICIDES	ACRE	1.00	\$79.31	\$79.31	_____
INSECTICIDES	ACRE	1.00	\$30.24	\$30.24	_____
FUNGICIDES	ACRE	1.00	\$52.61	\$52.61	_____
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	\$113.15	\$113.15	_____
LABOR	HRS	4.59	\$14.91	\$68.44	_____
INTEREST ON OP. CAP.	DOL.	\$325.46	8.5%	\$27.66	_____
TOTAL VARIABLE COSTS:				<b>\$857.47</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$102.54</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.	\$857.47	7.0%	\$60.02	_____
TOTAL OTHER COSTS:				<b>\$60.02</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$1,196.19</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>-\$236.19</b>	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	3535 LBS	VARIABLE COSTS	\$0.22
TOTAL COSTS	5195 LBS	TOTAL COSTS	\$0.30

\* 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 DETERMINE NUTRIENT RATES

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

PEANUTS - CONVENTIONAL-RUNNER						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 3800 YIELD PEANUTS						
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			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/lbs)				
LBS.	\$0.20	\$0.23	\$0.24	\$0.26	\$0.28
3400	-\$161.60	-\$61.28	-\$27.85	\$39.03	\$105.91
3700	-\$111.57	-\$2.40	\$33.98	\$106.76	\$179.54
4000	-\$61.55	\$56.47	\$95.81	\$174.49	\$253.17
4300	-\$11.52	\$115.35	\$157.64	\$242.23	\$326.81
4600	\$38.51	\$174.23	\$219.47	\$309.96	\$400.44

\*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
<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	SEPT
TOTAL:				\$162.16	

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