

# Peanuts, Conventional-Virgina-2021

**NC STATE  
UNIVERSITY**

ESTIMATED COSTS AND RETURNS PER ACRE, 2021  
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	\$0.21	\$856.00	_____
TOTAL RECEIPTS:				<b>\$856.00</b>	_____
<b>2. VARIABLE COSTS</b>					
SEED	LBS	125.00	\$0.85	\$106.25	_____
INOCULANT	ACRE	1.00	\$6.00	\$6.00	_____
FERTILIZER*					
NITROGEN	LBS	0.00	\$0.14	\$0.00	_____
PHOSPHATE	LBS	48.00	\$0.26	\$12.48	_____
POTASH	LBS	100.00	\$0.21	\$21.00	_____
MANGANESE	LBS	3.00	\$0.35	\$1.05	_____
BORON	LBS	2.50	\$1.35	\$3.38	_____
LIME (PRORATED)	TON	0.33	\$54.50	\$17.99	_____
GYPHOSUM (spread)	TON	0.60	\$47.50	\$28.50	_____
HERBICIDES	ACRE	1.00	\$51.04	\$51.04	_____
INSECTICIDES	ACRE	1.00	\$16.39	\$16.39	_____
FUNGICIDES	ACRE	1.00	\$77.21	\$77.21	_____
GROWTH REGULATORS	ACRE	1.00	\$48.94	\$48.94	_____
SURFACTANT	ACRE	1.00	\$9.68	\$9.68	_____
SCOUTING	ACRE	1.00	\$16.00	\$16.00	_____
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	\$6.00	_____
NATIONAL ASSESMENT*	DOL.	856.00	0.95%	\$8.13	_____
CROP INSURANCE	ACRE	1.00	\$30.00	\$30.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$61.96	\$61.96	_____
LABOR	HRS	4.59	\$12.67	\$58.16	_____
INTEREST ON OP. CAP.	DOL.	\$255.18	2.7%	\$6.94	_____
TOTAL VARIABLE COSTS:				<b>\$700.87</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$155.13</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$123.33	\$123.33	_____
TOTAL FIXED COSTS:				<b>\$123.33</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	\$700.87	7.0%	\$49.06	_____
TOTAL OTHER COSTS:				<b>\$49.06</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$873.26</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>-\$17.26</b>	_____

**BREAK-EVEN YIELD**

VARIABLE COSTS	3174	LBS	<b><u>BREAK-EVEN PRICE</u></b>	VARIABLE COSTS	\$0.18
TOTAL COSTS	4133	LBS		TOTAL COSTS	\$0.22

\* 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.

\*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 - CONVENTINAL VIRGINIA						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 4000 YIELD PEANUTS						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
4	HEAVY DISK 20'	2.00	0.22	0.20	\$7.02	\$11.72
4	SUBSOILER-BEDDER 4-ROW	1.00	0.21	0.19	\$4.54	\$4.34
4	PEANUT PLANTER	1.00	0.23	0.21	\$4.96	\$7.62
5,6,7,8,9	TRACTOR MTD SPRAYER 60 FT	9.00	0.40	0.36	\$10.89	\$29.88
6	DIGGER INVERTER 6-ROW	1.00	0.37	0.34	\$11.53	\$12.40
10	PEANUT COMBINE 4-ROW	1.00	0.61	0.55	\$23.02	\$57.37
PER ACRE TOTALS FOR SELECTED OPERATIONS			2.04	1.85	\$61.96	\$123.33
UNALLOCATED LABOR(HRS./AC.)			2.55			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/lbs)				
LBS.	\$0.18	\$0.20	\$0.21	\$0.22	\$0.25
3000	-\$131.70	-\$72.69	-\$31.38	-\$13.68	\$74.83
3500	-\$58.16	\$10.69	\$58.88	\$79.53	\$182.80
4000	\$15.39	\$94.07	\$149.15	\$172.75	\$290.77
4500	\$88.93	\$177.45	\$239.41	\$265.96	\$398.74
5000	\$162.48	\$260.83	\$329.67	\$359.18	\$506.70

\*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 4000 YIELD PEANUTS					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
<b>**HERBICIDES:</b>					
glyphosate (Roundup ultra)	QT	1.00	\$4.19	\$4.19	APR
2,4-D	PT	1.00	\$1.82	\$1.82	APR
pendimethalin (Prowl)	PT	0.50	\$4.13	\$2.06	APR
flumioxazin (Valor)	OZ	2.00	\$4.50	\$9.00	APR
lactofen (Cobra)	OZ	12.50	\$1.01	\$12.59	MAY
imazapic (Cadre)	OZ	3.00	\$2.46	\$7.38	JUN
2, 4-DB	PT	4.00	\$3.50	\$14.00	JUN
<b>**INSECTICIDES:</b>					
imidacloprid (Admire Pro)	OZ	9.00	\$1.00	\$9.00	APR
lambda-cyhalothrin (Karate-Z)	OZ	2.00	\$1.49	\$2.99	JUL
acephate (Orthene)	OZ	12.00	\$0.37	\$4.40	AUG
<b>**FUNGICIDES:</b>					
chlorothalonil (Bravo)	OZ	2.72	\$5.13	\$13.94	JUL, SEP
fluxapyroxad + pyraclostrobin (Priaxor)	OZ	8.00	\$2.85	\$22.81	JUL
prothioconazole+tebuconazole (Provost)	OZ	10.00	\$1.58	\$15.82	AUG
Azoxystrobin + benzovinifupyr (Elatius)	OZ	9.50	\$2.59	\$24.64	SEP
<b>**GROWTH REGULATORS:</b>					
prohexadione calcium (Apogee)	OZ	14.50	\$3.38	\$48.94	2 X
TOTAL:				\$193.58	

Prepared by: David Jordan, Derek Washburn, Ashley Wollett  
 North Carolina State University