

Peanuts, Strip Till-Virginia-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
1. GROSS RECEIPTS					
PEANUTS	LBS	4000.00	\$0.21	\$856.00	_____
TOTAL RECEIPTS:				\$856.00	_____
2. VARIABLE COSTS					
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	\$59.95	\$59.95	_____
INSECTICIDES	ACRE	1.00	\$16.39	\$16.39	_____
FUNGICIDES	ACRE	1.00	\$77.21	\$77.21	_____
GROWTH REGULAOTRS	ACRE	1.00	\$48.94	\$48.94	_____
SURFACTANT	ACRE	1.00	\$10.12	\$10.12	_____
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	\$65.46	\$65.46	_____
LABOR	HRS	4.25	\$12.67	\$53.85	_____
INTEREST ON OP. CAP.	DOL.	\$272.29	2.7%	\$7.41	_____
TOTAL VARIABLE COSTS:				\$709.88	_____
3. INCOME ABOVE VARIABLE COSTS:				\$146.12	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$134.71	\$134.71	_____
TOTAL FIXED COSTS:				\$134.71	_____
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$709.88	7.0%	\$49.69	_____
TOTAL OTHER COSTS:				\$49.69	_____
6. TOTAL COSTS:				\$894.28	_____
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				-\$38.28	_____

BREAK-EVEN YIELD

VARIABLE COSTS
TOTAL COSTS

3224 LBS
4251 LBS

BREAK-EVEN PRICE

VARIABLE COSTS
TOTAL COSTS

\$0.18
\$0.23

* 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 A PRICE PER LB OF FERTILZER LISTED, FARMERS SHOULD USE SOIL TEST TO DETERMINE NUTRIENT RATE

[*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 4000 YIELD PEANUTS						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
4	STRIP TILL RIG	1.00	0.24	0.22	\$13.85	\$24.12
4	PEANUT PLANTER	1.00	0.23	0.21	\$4.96	\$7.62
5,6,7,8,9	TRACTOR MTD SPRAYER 60 FT	10.00	0.44	0.40	\$12.10	\$33.20
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			1.89	1.72	\$65.46	\$134.71
UNALLOCATED LABOR(HRS./AC.)			2.36			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/lbs)				
LBS.	\$0.18	\$0.20	\$0.21	\$0.24	\$0.25
3000	-\$140.71	-\$81.70	-\$40.39	\$36.32	\$65.82
3500	-\$67.17	\$1.68	\$49.87	\$139.37	\$173.79
4000	\$6.38	\$85.06	\$140.14	\$242.42	\$281.76
4500	\$79.92	\$168.44	\$230.40	\$345.47	\$389.73
5000	\$153.47	\$251.82	\$320.66	\$448.52	\$497.69

*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 4000 YIELD PEANUTS					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
**HERBICIDES:					
glyphosate (Roundup ultra)	QT	1.00	\$4.19	\$4.19	APR
2,4-D	PT	1.00	\$1.82	\$1.82	APR
paraquat (Gramoxone Extra)	PT	3.00	\$2.97	\$8.91	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
**INSECTICIDES:					
imidacloprid (Admire Pro)	OZ	9.00	\$1.00	\$9.00	MAY
lambda-cyhalothrin (Karate-Z)	OZ	2.00	\$1.49	\$2.99	JUL
acephate (Orthene)	OZ	12.00	\$0.37	\$4.40	AUG
**FUNGICIDES:					
chlorothalonil (Bravo)	PT	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 (Elatus)	OZ	9.50	\$2.59	\$24.64	SEP
**GROWTH REGULATORS:					
prohexadione calcium (Apogee)	OZ	14.50	\$3.38	\$48.94	2 X
TOTAL:				\$202.49	

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