Peanuts, Conventional-Virgina-2020

NC STATE UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2020
4000 POUND YIELD STATE AVERAGE

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
PEANUTS	LBS	4000.00	$0.23	$920.00	
TOTAL RECEIPTS:				**$920.00**	
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	$0.23	$23.00	
MANGANESE	LBS	3.00	$0.35	$1.05	
BORON	LBS	2.50	$1.35	$3.38	
LIME (PRORATED)	TON	0.33	$51.00	$16.83	
GYPSUM (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.	920.00	0.95%	$8.74	
CROP INSURANCE	ACRE	1.00	$30.00	$30.00	
TRACTOR/MACHINERY	ACRE	1.00	$61.96	$61.96	
LABOR	HRS	4.59	$12.23	$56.14	
INTEREST ON OP. CAP.	DOL.	$254.59	5.0%	$12.73	
TOTAL VARIABLE COSTS:				**$706.09**	
3. INCOME ABOVE VARIABLE COSTS:				**$213.91**	
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	$123.33	$123.33	
TOTAL FIXED COSTS:				**$123.33**	
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	$706.09	7.0%	$49.43	
TOTAL OTHER COSTS:				**$49.43**	
6. TOTAL COSTS:				**$878.85**	
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				**$41.15**	

BREAK-EVEN YIELD			**BREAK-EVEN PRICE**	
VARIABLE COSTS	2943	LBS	VARIABLE COSTS	$0.18
TOTAL COSTS	3823	LBS	TOTAL COSTS	$0.22

* 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 DETERIMINE 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.	$0.20	$0.22	$0.23	$0.24	$0.26
3000	-$77.30	-$18.29	$11.21	$40.72	$99.73
3500	$6.08	$74.92	$109.35	$143.77	$212.61
4000	$89.46	$168.14	$207.48	$246.82	$325.50
4500	$172.84	$261.35	$305.61	$349.87	$438.38
5000	$256.22	$354.57	$403.74	$452.92	$551.27

*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
**HERBICIDES:					
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
**INSECTICIDES:					
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
**FUNGICIDES:					
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 + Benzoviniflupyr (Elatus)	OZ	9.50	$2.59	$24.64	SEP
**GROWTH REGULATORS:					
prohexadione calcium (Apogee)	OZ	14.50	$3.38	$48.94	2 X
TOTAL:				$193.58	

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