

Peanuts, Conventional-Virginia Type-2025

NC STATE
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2025
4200 POUND YIELD STATE AVERAGE

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
PEANUTS	LBS	4200.00	\$0.275	\$1,155.00	_____
TOTAL RECEIPTS:				\$1,155.00	_____
2. VARIABLE COSTS					
PEANUTS	LBS	130.00	\$0.93	\$120.90	_____
INOCULANT FERTILIZER	OZ	0.25	\$1.10	\$0.28	_____
30% NITROGEN SOLUTION	LBS	0.00	\$0.14	\$0.00	_____
46% SUPERPHOSPHATE	LBS	30.00	\$0.35	\$10.50	_____
0-0-60 MURATE OF POTASH	LBS	90.00	\$0.23	\$20.70	_____
MANGANESE SULFATE	LBS	3.00	\$0.60	\$1.80	_____
SOLUBOR	LBS	3.00	\$1.50	\$4.50	_____
LIME SPREAD	TON	0.50	\$82.00	\$41.00	_____
GYPSUM SPREAD	TON	0.60	\$35.00	\$21.00	_____
HERBICIDES	ACRE	1.00	\$59.69	\$59.69	_____
INSECTICIDES	ACRE	1.00	\$22.68	\$22.68	_____
FUNGICIDES	ACRE	1.00	\$77.82	\$77.82	_____
GROWTH REGULATOR	ACRE	1.00	\$23.06	\$23.06	_____
CONSULTING SERVICES***	ACRE	1.00	\$20.00	\$20.00	_____
HAULING	TON	2.10	\$12.00	\$25.15	_____
DRYING & CLEANING	TON	2.10	\$45.00	\$94.31	_____
STATE CHECK-OFF FEE	TON	2.10	\$3.00	\$6.29	_____
NATIONAL ASSESMENT**	DOL.	\$ 1,155.00	0.95%	\$10.97	_____
CROP INSURANCE	ACRE	1.00	\$30.00	\$30.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$103.74	\$103.74	_____
LABOR	HRS	4.59	\$15.81	\$72.57	_____
INTEREST ON OP. CAP.	DOL.	\$290.12	5.375%	\$15.59	_____
TOTAL VARIABLE COSTS:				\$782.55	_____
3. INCOME ABOVE VARIABLE COSTS:				\$372.45	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$238.39	\$238.39	_____
TOTAL FIXED COSTS:				\$238.39	_____
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$782.55	7.0%	\$54.78	_____
TOTAL OTHER COSTS:				\$54.78	_____
6. TOTAL COSTS:				\$1,075.72	_____
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				\$79.28	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	2685 LBS	VARIABLE COSTS	\$0.19
TOTAL COSTS	3903 LBS	TOTAL COSTS	\$0.26

* 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.

***CONSULTING SERVICES INCLUDE SOIL SAMPLING WITH ANALYSIS AND SCOUTING IN SEASON

*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 - CONVENTIONAL VIRGINIA						
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	\$9.56	\$25.40
4	SUBSOILER-BEDDER 4-ROW	1.00	0.23	0.19	\$4.96	\$7.78
4	PEANUT PLANTER	1.00	0.25	0.21	\$5.42	\$12.39
5,6,7,8,9	HIBOY 90'	7.00	0.25	0.21	\$43.61	\$75.11
6	DIGGER INVERTER 6-ROW	1.00	0.41	0.34	\$14.80	\$28.47
10	PEANUT COMBINE 4-ROW	1.00	0.66	0.55	\$25.39	\$89.24
PER ACRE TOTALS FOR SELECTED OPERATIONS			2.04	1.70	\$103.74	\$238.39
UNALLOCATED LABOR(HRS./AC.)			2.55			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/lbs)				
LBS.	\$0.23	\$0.26	\$0.28	\$0.30	\$0.32
3000	-\$57.04	\$31.48	\$75.74	\$149.50	\$208.51
3500	\$41.10	\$144.36	\$196.00	\$282.05	\$350.90
4200	\$178.48	\$302.40	\$364.36	\$467.63	\$550.25
4500	\$237.36	\$370.13	\$436.52	\$547.16	\$635.68
5000	\$335.49	\$483.02	\$556.78	\$679.72	\$778.07

*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
**HERBICIDES:					
s-metolachlor (Dual Magnum EC)	PT	1.33	\$9.25	\$12.30	APR
flumioxazin (Valor)	OZ	2.00	\$2.76	\$5.52	APR
paraquat (Gramoxone Extra)	PT	0.68	\$6.00	\$4.08	MAY
bentazon (Basagran)	PT	1.60	\$8.56	\$13.70	MAY
bentazon + acifluorfen (Storm)	OZ	1.50	\$0.75	\$1.12	JUN
2, 4-DB	PT	4.00	\$5.74	\$22.97	JUN
**INSECTICIDES:					
imidacloprid (Admire Pro)	OZ	9.00	\$1.35	\$12.11	APR
lambda-cyhalothrin (Warrior II)	OZ	2.00	\$2.29	\$4.57	JUL
acephate (Orthene)	OZ	12.00	\$0.50	\$6.00	MAY/JUNE
**FUNGICIDES:					
chlorothalonil (Bravo)	PT	1.50	\$4.00	\$6.00	JUNE
prothioconazole+tebuconazole (Provost)	OZ	10.00	\$1.56	\$15.62	JUL
pydiflumetofen (Miravas)	OZ	3.40	\$6.75	\$22.95	AUG
azoxystrobin+benzovindiflupyr (Elatus)	OZ	7.60	\$1.53	\$11.63	AUG
prothioconazole+tebuconazole (Provost)	OZ	10.00	\$1.56	\$15.62	SEP
chlorothalonil (Bravo)	PT	1.50	\$4.00	\$6.00	SEP
**GROWTH REGULATORS:					
prohexadione calcium (Kudos)	OZ	7.25	\$3.18	\$23.06	JUL
TOTAL:				\$183.25	

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