

Peanuts, Conventional-Virgina Type-2023

**NC STATE
UNIVERSITY**

ESTIMATED COSTS AND RETURNS PER ACRE, 2023
4000 POUND YIELD STATE AVERAGE

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
PEANUTS (QUOTA)	LBS	4000.00	\$0.27	\$1,080.00	_____
TOTAL RECEIPTS:				\$1,080.00	_____
2. VARIABLE COSTS					
SEED	LBS	130.00	\$0.93	\$120.90	_____
INOCULANT	ACRE	1.00	\$6.00	\$6.00	_____
FERTILIZER					
NITROGEN	LBS	0.00	\$0.36	\$0.00	_____
PHOSPHATE	LBS	30.00	\$0.32	\$9.60	_____
POTASH	LBS	90.00	\$0.51	\$45.90	_____
MANGANESE	LBS	3.00	\$0.35	\$1.05	_____
BORON	LBS	2.50	\$1.50	\$3.75	_____
LIME (PRORATED)	TON	0.50	\$57.00	\$28.50	_____
GYPHOSUM (spread)	TON	0.60	\$55.00	\$33.00	_____
HERBICIDES	ACRE	1.00	\$65.94	\$65.94	_____
INSECTICIDES	ACRE	1.00	\$16.39	\$16.39	_____
FUNGICIDES	ACRE	1.00	\$60.14	\$60.14	_____
GROWTH REGULATOR	ACRE	1.00	\$48.94	\$48.94	_____
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 ASSESSMENT**	DOL.	1080.00	0.95%	\$10.26	_____
CROP INSURANCE	ACRE	1.00	\$30.00	\$30.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$122.53	\$122.53	_____
LABOR	HRS	4.59	\$14.16	\$64.99	_____
INTEREST ON OP. CAP.	DOL.	\$313.82	8.0%	\$25.11	_____
TOTAL VARIABLE COSTS:				\$832.76	_____
3. INCOME ABOVE VARIABLE COSTS:				\$247.24	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$162.01	\$162.01	_____
TOTAL FIXED COSTS:				\$162.01	_____
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$832.76	7.0%	\$58.29	_____
TOTAL OTHER COSTS:				\$58.29	_____
6. TOTAL COSTS:				\$1,053.06	_____
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				\$26.94	_____

BREAK-EVEN YIELD

			<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	2983	LBS	VARIABLE COSTS	\$0.21
TOTAL COSTS	3919	LBS	TOTAL COSTS	\$0.27

* 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 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 - 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	\$11.98	\$16.68
4	SUBSOILER-BEDDER 4-ROW	1.00	0.23	0.19	\$6.24	\$5.14
4	PEANUT PLANTER	1.00	0.25	0.21	\$6.83	\$8.24
5,6,7,8,9	HIBOY 90'	7.00	0.25	0.21	\$49.63	\$52.08
6	DIGGER INVERTER 6-ROW	1.00	0.41	0.34	\$18.01	\$19.01
10	PEANUT COMBINE 4-ROW	1.00	0.66	0.55	\$29.84	\$60.86
PER ACRE TOTALS FOR SELECTED OPERATIONS			2.04	1.70	\$122.53	\$162.01
UNALLOCATED LABOR(HRS./AC.)			2.55			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/lbs)				
LBS.	\$0.23	\$0.26	\$0.27	\$0.30	\$0.31
3400	-\$35.44	\$64.88	\$98.32	\$198.63	\$232.07
3700	\$23.44	\$132.61	\$169.00	\$278.17	\$314.56
4000	\$82.32	\$200.34	\$239.68	\$357.70	\$397.04
4300	\$141.20	\$268.07	\$310.36	\$437.23	\$479.52
4600	\$200.08	\$335.80	\$381.04	\$516.77	\$562.01

*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	\$7.75	\$10.31	APR
flumioxazin (Valor)	OZ	2.00	\$4.50	\$9.00	APR
paraquat (Gramoxone Extra)	PT	0.68	\$2.97	\$2.02	MAY
bentazon (Basagran)	PT	1.60	\$9.64	\$15.42	MAY
bentazon + acifluorfen	PT	1.50	\$10.13	\$15.19	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
prothioconazole+tebuconazole (Provost)	OZ	10.00	\$1.58	\$15.82	JUL
Azoxystrobin + benzovinfupyr (Elatius)	OZ	9.50	\$2.59	\$24.64	AUG
Pydiflumetofen (Miravis)	OZ	3.40	\$1.69	\$5.74	SEP
**GROWTH REGULATORS:					
prohexadione calcium (Apogee)	OZ	14.50	\$3.38	\$48.94	JUL
TOTAL:				\$191.41	

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