

Peanuts, Conventional-Runner 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 (QUOTA)	LBS	4200.00	\$0.260	\$1,092.00	_____
TOTAL RECEIPTS:				\$1,092.00	_____
2. VARIABLE COSTS					
PEANUTS RUNNER	LBS	110.00	\$0.88	\$96.80	_____
INOCULANT	ACRE	0.25	\$1.10	\$0.28	_____
FERTILIZER					
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	0.30	\$35.00	\$10.50	_____
HERBICIDES	ACRE	1.00	\$59.69	\$59.69	_____
INSECTICIDES	ACRE	1.00	\$22.68	\$22.68	_____
FUNGICIDES	ACRE	1.00	\$77.82	\$77.82	_____
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.	\$ 1,092.00	0.95%	\$10.37	_____
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.	\$261.29	5.375%	\$14.04	_____
TOTAL VARIABLE COSTS:				\$722.74	_____
3. INCOME ABOVE VARIABLE COSTS:				\$369.27	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$238.39	\$238.39	_____
TOTAL FIXED COSTS:				\$238.39	_____
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$722.74	7.0%	\$50.59	_____
TOTAL OTHER COSTS:				\$50.59	_____
6. TOTAL COSTS:				\$1,011.72	_____
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				\$80.29	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	2598 LBS	VARIABLE COSTS	\$0.17
TOTAL COSTS	3877 LBS	TOTAL COSTS	\$0.24

* 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- RUNNER						
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.	\$0.22	\$0.25	\$0.26	\$0.29	\$0.30
3600	\$84.53	\$190.75	\$226.16	\$332.37	\$367.78
3900	\$140.46	\$255.53	\$293.89	\$408.96	\$447.31
4200	\$196.39	\$320.31	\$361.62	\$485.54	\$526.85
4500	\$252.32	\$385.09	\$429.35	\$562.12	\$606.38
4800	\$308.25	\$449.87	\$497.08	\$638.70	\$685.91

*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	SEPT
TOTAL:				\$160.19	

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