

# Peanuts, Conventional-Runner 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
<b>1. GROSS RECEIPTS</b>					
PEANUTS (QUOTA)	LBS	4000.00	\$0.24	\$960.00	_____
TOTAL RECEIPTS:				<b>\$960.00</b>	_____
<b>2. VARIABLE COSTS</b>					
SEED	LBS	110.00	\$0.93	\$102.30	_____
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	_____
GYPSUM (spread)	TON	0.30	\$55.00	\$16.50	_____
HERBICIDES	ACRE	1.00	\$65.94	\$65.94	_____
INSECTICIDES	ACRE	1.00	\$16.39	\$16.39	_____
FUNGICIDES	ACRE	1.00	\$60.14	\$60.14	_____
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.	\$ 960.00	0.95%	\$9.12	_____
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.	\$271.80	8.0%	\$21.74	_____
TOTAL VARIABLE COSTS:				<b>\$744.21</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$215.79</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$162.01	\$162.01	_____
TOTAL FIXED COSTS:				<b>\$162.01</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	\$744.21	7.0%	\$52.09	_____
TOTAL OTHER COSTS:				<b>\$52.09</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$958.31</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>\$1.69</b>	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	2986 LBS	VARIABLE COSTS	\$0.19
TOTAL COSTS	4027 LBS	TOTAL COSTS	\$0.24

\* 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 DETERMINE 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	\$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.	\$0.20	\$0.23	\$0.24	\$0.26	\$0.28
3400	-\$48.35	\$51.97	\$85.41	\$152.29	\$219.17
3700	\$1.68	\$110.85	\$147.24	\$220.02	\$292.80
4000	\$51.71	\$169.73	\$209.07	\$287.75	\$366.43
4300	\$101.74	\$228.61	\$270.90	\$355.48	\$440.06
4600	\$151.77	\$287.49	\$332.73	\$423.21	\$513.69

\*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 ASSUMPTIONS FOR 3800 YIELD PEANUTS					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
<b>**HERBICIDES:</b>					
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
<b>**INSECTICIDES:</b>					
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
<b>**FUNGICIDES:</b>					
chlorothalonil (Bravo)	PT	2.72	\$5.13	\$13.94	JUL
prothioconazole+tebuconazole (Provost)	OZ	10.00	\$1.58	\$15.82	JUL
Azoxystrobin + benzoviniufupyr (Elatius)	OZ	9.50	\$2.59	\$24.64	AUG
Pydiflumetofen (Miravis)	OZ	3.40	\$1.69	\$5.74	SEP
TOTAL:				\$142.47	

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