

## Wheat, High Yield Threshold\*-2023

NC STATE UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2023

95 BUSHEL YIELD AVERAGE HISTO	RY*				
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
. GROSS RECEIPTS	DU	05.00	<b>#7.05</b>	#000 OF	
WHEAT***	BU.	95.00	\$7.35	\$698.25	
TOTAL RECEIPTS:				\$698.25	
2. VARIABLE COSTS					
SEED (CERTIFIED)	MIL	1.50	\$16.50	\$24.75	
FERTILIZER					
30-0-0, NITROGEN SOLUTION	LBS	395.00	\$0.36	\$142.20	
0-46-0, SUPER PHOSPHATE	LBS	100.00	\$0.46	\$46.00	
0-0-60, POTASH	LBS	55.00	\$0.51	\$28.05	
LIME (PRORATED)	TON	0.33	\$57.00	\$18.81	
HERBICIDES**	ACRE	1.00	\$54.24	\$54.24	
FUNGICIDES**	ACRE	1.00	\$22.48	\$22.48	
INSECTICIDES**	ACRE	1.00	\$3.42	\$3.42	
AERIAL APPLICATION	APPL	1.00	\$14.00		
HAULING	BU.	95.00	\$0.15		
TRACTOR/MACHINERY	ACRE	1.00	\$76.94		
SCOUT	ACRE	0.00	\$16.00		
LABOR	HRS	1.55	\$14.16		
INTEREST ON OP. CAP.	DOL.	\$215.45	8.0%	\$17.24	
TOTAL VARIABLE COSTS:			_	\$484.33	
. INCOME ABOVE VARIABLE COSTS:				\$213.92	
I. FIXED COSTS  TRACTOR/MACHINERY	ACRE	1.00	\$84.96	\$84.96	
	7.0.1.2		φοσσ	Ψοοο	
TOTAL FIXED COSTS:			=	\$84.96	
S. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$484.33	7.0%	\$33.90	
TOTAL OTHER COSTS:			_	\$33.90	
S. TOTAL COSTS:				\$603.19	
. NET RETURNS TO LAND, RISK, AND MAN	AGEMENT:			\$95.06	
BREAK-EVEN YIELD	BREAK-EVEN PRICE				
DNLAN-LVLN HELD					
VARIABLE COSTS	65	BU.	VARIABLE C		\$5.10

<sup>-</sup>THIS BUDGET WAS DEVELOPED FOR PLANNING PURPOSES ONLY AND DOES NOT INCLUDE LAND RENT, EACH GROWER SHOULD CALCULATE THEIR COST BASED ON THEIR PRICE OF INPUTS, LOCATION, AND MAINTENECE PRACTICES

<sup>-</sup> FERTILIZER AMOUNTS ARE BASED ON HISTORICAL DATA OF REMOVAL RATES FOR N, P2O5, K20 AND YEILD. GROWERS SHOULD SOIL SAMPLE TO DETERMINE RATES OF APPLICATION FOR NUTRIENTS IN WHEAT



WHEAT F	WHEAT FOR GRAIN								
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR WHEAT									
MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED			
		OVER	HOURS	HOURS	COSTS	COSTS			
11	HEAVY DISK 20'	1.00	0.12	0.10	\$4.61	\$8.00			
11	TANDOM LIGHT DISK 30'	1.00	0.08	0.07	\$4.95	\$6.84			
6	GRAIN DRILL 16'	1.00	0.16	0.13	\$3.40	\$4.76			
6	HIBOY 90'	3.00	0.11	0.09	\$18.33	\$21.60			
6	COMBINE W/ HEADER 20'	1.00	0.22	0.18	\$45.65	\$43.76			
PER AC	RE TOTALS FOR								
SELECT	ED OPERATIONS		0.69	0.57	\$76.94	\$84.96			
UNALLC	OCATED LABOR(HRS./AC.)		0.86						

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD			PRICE (\$/bι	J.)		
BU.	\$6.62	\$6.98	\$7.35	\$7.72	\$8.09	
86	\$86.34	\$117.30	\$149.12	\$180.94	\$212.76	
90	\$112.22	\$144.62	\$177.92	\$211.22	\$244.52	
95	\$144.57	\$178.77	\$213.92	\$249.07	\$284.22	
100	\$176.92	\$212.92	\$249.92	\$286.92	\$323.92	
105	\$209.27	\$247.07	\$285.92	\$324.77	\$363.62	

<sup>\*</sup>THE YEILD REPRESENTED IN THIS BUDGET IS NOT A FUNCTION OF THE MAINTENANCE PRACTICES LISTED. IT IS ASSUMED FARMERS WILL ADJUST THEIR MAINTENANCE PRACTICES BASED ON THEIR ABILITY TO MAXIMIZE PROFIT WITH THEIR GIVEN YEILD HISTORY.

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<sup>\*\*</sup>HERBICIDE COST ASSUME NO RESISTANCE MANAGEMENT, GROWERS SHOULD ONLY APPLY PESTICIDES AS NEEDED

<sup>\*\*\*</sup>FEED WHEAT PRICES IN THIS BUDGET ARE BASED ON FUTURES PRICES + .80 BASIS FOR LOCAL CONTRACTS AS OF 12-15-2022, PRICE AND BASIS FOR FEED WHEAT IN NORTH CAROINA IS RELATIVE TO THE PRICE OF CORN