



## WHEAT for GRAIN CONVENTIONAL TILLAGE, TIDEWATER

ESTIMATED COSTS AND RETURNS PER ACRE, 2008  
60 BUSHEL YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
WHEAT	BU.	60.00	\$6.00	\$360.00	_____
TOTAL RECEIPTS:				<b>\$360.00</b>	_____
<b>2. VARIABLE COSTS</b>					
SEED (CERTIFIED)	BU.	2.00	\$9.00	\$18.00	_____
FERTILIZER					
NITROGEN	LBS	90.00	\$0.46	\$41.40	_____
PHOSPHATE	LBS	40.00	\$0.50	\$20.00	_____
POTASH	LBS	60.00	\$0.23	\$13.80	_____
LIME (PRORATED)	TON	0.33	\$42.50	\$14.03	_____
HERBICIDES	ACRE	1.00	\$6.86	\$6.86	_____
INSECTICIDES	ACRE	1.00	\$4.23	\$4.23	_____
FUNGICIDES	ACRE	1.00	\$10.70	\$10.70	_____
AERIAL APPLICATION	APPL	1.00	\$3.50	\$3.50	_____
HAULING	BU.	60.00	\$0.15	\$9.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$38.24	\$38.24	_____
LABOR	HRS	1.04	\$9.02	\$9.38	_____
INTEREST ON OP. CAP.	DOL.	\$83.63	9.3%	\$7.74	_____
TOTAL VARIABLE COSTS:				<b>\$196.88</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$163.12</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$48.81	\$48.81	_____
TOTAL FIXED COSTS:				<b>\$48.81</b>	_____
<b>5. TOTAL COSTS:</b>				<b>\$245.69</b>	_____
<b>6. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>\$114.31</b>	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	31 BU.	VARIABLE COSTS	\$3.28
TOTAL COSTS	40 BU.	TOTAL COSTS	\$4.09

\* PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY.



<b>WHEAT FOR GRAIN</b>						
<b>PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 60 BUSHEL WHEAT</b>						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
10	FERTILIZER SPREADER	1.00	0.13	0.12	\$1.95	\$4.25
11	BROADCAST DEEP TILLAGE	1.00	0.26	0.24	\$9.90	\$8.30
11	HEAVY DISK 16'	1.00	0.13	0.12	\$4.07	\$3.88
11	GRAIN DRILL NO-TILL 16'	1.00	0.12	0.11	\$4.14	\$3.97
1&2	HIBOY (90 FT BOOM)	2.00	0.07	0.06	\$4.86	\$4.76
6	COMBINE W/ HEADER	1.00	0.33	0.30	\$13.32	\$23.65
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.04	0.95	\$38.24	\$48.81
UNALLOCATED LABOR(HRS./AC.)						

<b>INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES</b>					
YIELD	PRICE (\$/lbs)				
LBS.	\$5.40	\$5.70	\$6.00	\$6.30	\$6.60
54	\$95.62	\$111.82	\$128.02	\$144.22	\$160.42
57	\$111.37	\$128.47	\$145.57	\$162.67	\$179.77
60	\$127.12	\$145.12	\$163.12	\$181.12	\$199.12
63	\$142.87	\$161.77	\$180.67	\$199.57	\$218.47
66	\$158.62	\$178.42	\$198.22	\$218.02	\$237.82

<b>CHEMICAL USE ASSUMPTIONS FOR 65 BUSHEL WHEAT</b>					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES:					
thifensulfuron+tribenuron-methyl (Harmony OZ)		0.50	\$13.72	\$6.86	JAN
INSECTICIDES:					
lambda-cyhalothrin (Karate)	OZ	2.50	\$1.69	\$4.23	APR
FUNGICIDES:					
propiconazole (Tilt)	OZ	4.00	\$2.68	\$10.70	APR
TOTAL:				\$21.79	

Prepared by: Gary Bullen, Emily Weddington  
 North Carolina State University, Dept. Agricultural and Resource Economics