

Corn, Coastal Plain-Conventional-2019



ESTIMATED COSTS AND RETURNS PER ACRE, 2019
128 BUSHEL YIELD, AVERAGE

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
CORN	BU.	128.00	\$4.70	\$601.60	_____
TOTAL RECEIPTS:				\$601.60	_____
2. VARIABLE COSTS					
SEED	THOU.	28.00	\$2.656	\$74.37	_____
FERTILIZER					
18-46-0	LBS	234.00	\$0.31	\$72.54	_____
NITROGEN (30% solution)	LBS	243.00	\$0.13	\$31.59	_____
PHOSPHATE (0-46-0)	LBS	0.00	\$0.38	\$0.00	_____
POTASH (0-0-60)	LBS	55.00	\$0.22	\$12.10	_____
LIME (PRORATED)	TON	0.33	\$46.00	\$15.18	_____
HERBICIDES	ACRE	1.00	\$32.72	\$32.72	_____
INSECTICIDES	ACRE	1.00	\$0.00	\$0.00	_____
FUNGICIDES	ACRE	1.00	\$0.00	\$0.00	_____
SURFACTANT	ACRE	1.00	\$1.64	\$1.64	_____
DRYING (3 POINTS)	BU.	128.00	\$0.30	\$38.40	_____
HAULING	BU.	128.00	\$0.26	\$33.28	_____
TRACTOR/MACHINERY	ACRE	1.00	\$18.09	\$18.09	_____
CUSTOM HARVEST	ACRE	1.00	\$45.00	\$45.00	_____
SCOUTING	ACRE	1.00	\$12.00	\$12.00	_____
LABOR	HRS	1.13	\$11.46	\$12.95	_____
INTEREST ON OP. CAP.	DOL.	\$129.12	6.0%	\$7.75	_____
TOTAL VARIABLE COSTS:				\$407.61	_____
3. INCOME ABOVE VARIABLE COSTS:				\$193.99	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$53.46	\$53.46	_____
TOTAL FIXED COSTS:				\$53.46	_____
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$407.61	0.1%	\$0.29	_____
TOTAL OTHER COSTS:				\$0.29	_____
6. TOTAL COSTS:				\$461.36	_____
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				\$140.24	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	87 BU.	VARIABLE COSTS	\$3.18
TOTAL COSTS	98 BU.	TOTAL COSTS	\$3.60

*FERTILIZER COST IS A 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](#)

* THIS BUDGET WAS DEVELOPED FOR PLANNING PURPOSES ONLY AND DOES NOT INCLUDE LAND RENT

*EACH GROWER SHOULD CALCULATE THEIR COST BASED ON THEIR AVERAGE PRICE OF INPUTS AND LOCATION

CORN FOR GRAIN - COASTAL PLAIN - CONVENTIONAL TILLAGE						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 128 BUSHEL CORN						
MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED
		OVER	HOURS	HOURS	COSTS	COSTS
3	HEAVY DISK 20'	2.00	0.22	0.20	\$8.40	\$11.08
5	PLANTER 16-ROW	1.00	0.13	0.12	\$7.29	\$21.23
3 thru 5	HIBOY 90'	3.00	0.10	0.09	\$2.40	\$21.15
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.50	0.41	\$18.09	\$53.46
UNALLOCATED LABOR(HRS./AC.)			0.63			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu.)				
BU.	\$4.23	\$4.47	\$4.70	\$4.94	\$5.17
115	\$84.11	\$111.71	\$138.16	\$165.76	\$192.21
122	\$109.68	\$138.96	\$167.02	\$196.30	\$224.36
128	\$131.59	\$162.31	\$191.75	\$222.47	\$251.91
134	\$153.51	\$185.67	\$216.49	\$248.65	\$279.47
141	\$179.07	\$212.91	\$245.34	\$279.18	\$311.61

*NC STATE DOES NOT ENDORSE ANY COMPANY OR CHEMICAL NAMES ASSOCIATED TO ACTIVE INGREDIENTS

*COST ASSUME NO RESISTANCE MANAGEMENT AND LOW WEED PRESSURE

*FARMERS SHOULD CONSULT THE NC CHEMICAL MANUALS FOR RATES AND RESTRICTIONS BEFORE APPLICATION, [CLICK HERE](#)

**CHEMICALS LISTED ARE NOT A RECOMMENDATION FOR CHEMICAL USE BUT A REPRESENTATION OF COST ASSUMPTIONS ONLY

CHEMICAL USE ASSUMPTIONS FOR 128 BUSHEL CORN CONVENTIONAL					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
**HERBICIDES:					
s-metolachlor+atrazine (Bicep)	QT	2.10	\$8.06	\$16.92	APR
glyphosate (Roundup ultra)	QT	1.00	\$4.19	\$4.19	MAR
2,4-D	PT	1.00	\$1.82	\$1.82	MAR
dicamba (Banvel)	PT	1.00	\$9.79	\$9.79	APR
**INSECTICIDES:					
**FUNGICIDES					
TOTAL:				\$32.72	

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