

ATTACHMENTS

**Team Participation Event – “Team” Portion
2008 Iowa Vo-Ag FFA
Farm Business Management CD Event**

Estimated Costs of Crop Production in Iowa - 2008

Ag Decision Maker

File A1-20

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Corn following Corn

	125 bu. per acre		145 bu. per acre		165 bu. per acre		Your Estimate
	Fixed	Variable	Fixed	Variable	Fixed	Variable	
Preharvest Machinery ^{1/}	\$20.60	\$19.80	\$20.60	\$19.80	\$20.60	\$19.80	\$ _____
Seed, Chemical, etc.	Units		Units		Units		
Seed @ \$2.10 per 1000 k.	25,000	\$52.50	30,000	\$63.00	35,000	\$73.50	\$ _____
Nitrogen @ \$0.46 per lb.	175	80.50	175	80.50	175	80.50	_____
Phosphate @ \$0.50 per lb.	45	22.50	55	27.50	60	30.00	_____
Potash @ \$0.27 per lb.	40	10.80	45	12.15	50	13.50	_____
Lime (yearly cost)		7.00		7.00		7.00	_____
Herbicide		25.20		25.20		25.20	_____
Insecticide		17.85		17.85		17.85	_____
Crop Insurance		15.00		15.00		15.00	_____
Miscellaneous		8.00		9.00		10.00	_____
Interest on preharvest variable costs (8 months @ 8%)		13.82		14.77		15.59	_____
Total		\$253.17		\$271.97		\$288.14	\$ _____
Harvest Machinery							
Combine	\$14.10	\$11.00	\$14.10	\$11.00	\$14.10	\$11.00	\$ _____
Haul	2.88	3.12	3.34	3.62	3.80	4.12	_____
Dry (LP Gas @ \$1.75/gal.)	5.00	26.25	5.80	30.45	6.60	34.65	_____
Handle	1.25	0.62	1.45	0.72	1.65	0.82	_____
Total	\$23.23	\$40.99	\$24.69	\$45.79	\$26.15	\$50.59	\$ _____
Labor							
2.85 hours @ \$11.00	\$31.35		\$31.35		\$31.35		\$ _____
Land							
Cash rent equivalent	\$155.00		\$190.00		\$225.00		\$ _____
Total fixed, variable							
Per acre	\$230.18	\$313.96	\$266.64	\$337.56	\$303.10	\$358.53	Yield: _____
Per bushel	\$1.84	\$2.51	\$1.84	\$2.33	\$1.84	\$2.17	bu./acre _____
Total cost per acre	\$544.14		\$604.20		\$661.63		\$ _____
Total cost per bushel	\$4.35		\$4.17		\$4.01		\$ _____

^{1/}Chisel plow, tandem disk, apply N, field cultivate, plant, cultivate, and spray. See the Estimated Machinery Costs table.

Corn following Soybeans

	140 bu. per acre		160 bu. per acre		180 bu. per acre		Your Estimate
	Fixed	Variable	Fixed	Variable	Fixed	Variable	
Preharvest Machinery ^{1/}	\$17.10	\$15.60	\$17.10	\$15.60	\$17.10	\$15.60	\$ _____
Seed, Chemical, etc.	Units		Units		Units		
Seed @ \$2.10 per 1000 k.	25,000	\$52.50	30,000	\$63.00	35,000	\$73.50	\$ _____
Nitrogen @ \$0.46 per lb.	120	\$55.20	120	\$55.20	120	\$55.20	_____
Phosphate @ \$0.50 per lb.	55	\$27.50	60	\$30.00	70	\$35.00	_____
Potash @ \$0.27 per lb.	40	\$10.80	50	\$13.50	55	\$14.85	_____
Lime (yearly cost)		7.00		7.00		7.00	_____
Herbicide		25.20		25.20		25.20	_____
Crop Insurance		15.00		15.00		15.00	_____
Miscellaneous		8.00		9.00		10.00	_____
Interest on preharvest variable costs (8 months @ 8%)		11.56		12.45		13.41	_____
Total		\$212.76		\$230.35		\$249.16	\$ _____
Harvest Machinery							
Combine	\$14.10	\$11.00	\$14.10	\$11.00	\$14.10	\$11.00	\$ _____
Haul	3.22	3.50	3.68	4.00	4.14	4.50	_____
Dry (LP Gas @ \$1.75/gal.)	5.60	29.40	6.40	33.60	7.20	37.80	_____
Handle	1.40	0.70	1.60	0.80	1.80	0.90	_____
Total	\$24.32	\$44.60	\$25.78	\$49.40	\$27.24	\$54.20	\$ _____
Labor							
2.6 hours @ \$11.00	\$28.60		\$28.60		\$28.60		\$ _____
Land							
Cash rent equivalent	\$155.00		\$190.00		\$225.00		\$ _____
Total fixed, variable							
Per acre	\$225.02	\$272.96	\$261.48	\$295.35	\$297.94	\$318.96	Yield:
Per bushel	\$1.61	\$1.95	\$1.63	\$1.85	\$1.66	\$1.77	bu./acre _____
Total cost per acre	\$497.98		\$556.83		\$616.90		\$ _____
Total cost per bushel	\$3.56		\$3.48		\$3.43		\$ _____

^{1/}Apply N, tandem disk, field cultivate, plant, cultivate, and spray. See the Estimated Machinery Costs table.