

SAMPLE COST TO PRODUCE FIELD CORN ON MINERAL SOIL

CROP.....	FIELD CORN	GROSS INCOME PER ACRE.....	\$375.00
YIELD/ACRE IN TONS...	5	TOTAL CASH COST/ACRE.....	518.87
MARKET VALUE/TONS....	75.00	NET LOSS/ACRE.....	-143.87

<u>CULTURAL COSTS: FUEL</u>	<u>COST/A</u>	<u>COST/A LABOR</u>	<u>YOUR COST/A</u>
Chop Stubble	0.28	1.42	_____
Disc 2x	1.08	1.66	_____
Chisel 2x, flat roll	2.50	1.66	_____
Disc 1x	0.54	0.83	_____
Float, harrow, ringroll	0.66	1.25	_____
Pre nitrogen, ringroll	0.70	1.00	_____
Float, roll	0.54	0.83	_____
Pre herbicide, Do all 2x	0.71	1.42	_____
Float ringroll	0.54	0.83	_____
Plant	0.83	0.83	_____
Cultivate 1x lilliston	0.34	1.00	_____
Side dress nitrogen	0.50	1.66	_____
Open, close ditches	0.20	0.40	_____
Pickups	3.14	_____	_____
TOTAL:	12.56	14.79*	_____

IRRIGATION

Irrigate 9x pumping elect.	10.00	_____
Reclamation	15.00	_____
Drain Maintenance	2.50	_____
TOTAL:	27.50	_____

CHEMICALS/SEED

APPLICATION

Pre N (150#/A)	28.00	_____
Sidedress N 50#/A	9.50	_____
Lasso/Bladex	30.31	_____
Sevin 40#/A	22.00	5.50
Dyfonate 10#/A	10.30	_____
Comite 1 qt/A	12.17	5.50
8-24-6 30/gal. starter	33.15	_____
Seed	23.00	_____
TOTAL:	168.43	11.00

* Included in labor budget

HARVESTCOST/AYOUR
COST/AFuel/Electricity

Trucks	0.70	_____
Combine	1.00	_____
Storage (Drying) \$3.00/T	<u>16.30</u>	_____

TOTAL:	18.00	_____
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Labor

Harvest (1 man)	3.00	_____
Cultural (\$5.00/hr)	14.79	_____
Irrigation (4.00/hr)	36.00	_____
Shop mechanic	10.00	_____
Storage labor 2 men	4.36	_____
Overtime	<u>2.21</u>	_____

TOTAL:	70.36	_____
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CASH OVERHEAD

Share Rent (15%) (\$375)	56.00	_____
Repairs/Maint.	54.25	_____
Mgmt. Salary/Benefits	21.73	_____
Employee Benefits (30%)	21.11	_____
Office Management	10.86	_____
Taxes on Equipment	2.57	_____
Insurance	<u>5.00</u>	_____

TOTAL:	171.52	_____
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DEBT SERVICE

Interest on Loan	35.00	_____
Interest on Equipment	<u>4.50</u>	_____

TOTAL:	39.50	_____
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TOTAL CASH EXPENSES: \$ 518.87

GROSS INCOME: \$ 375.00

NET LOSS: \$ 143.87

NON-CASH COSTS

Equip. Depreciation	37.50	_____
Interest on Buildings	10.67	_____
Building Depreciation	<u>4.44</u>	_____

TOTAL:	\$52.61	_____
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SAMPLE COSTS TO PRODUCE CORN ON PEAT TYPE SOILS

CROP.....=	CORN	GROSS INCOME/ACRE....=	319.50
YIELD/ACRE IN TONS..=	4.5	TOTAL CASH COSTS/ACRE=	402.39
MARKET VALUE/TON....=	71.00	NET LOSS/ACRE.....=	-82.89

EXPENSES

TYPE OF COST	COST/A	COST/A	COST/A	YOUR
CULTURAL COSTS: FUEL AND LABOR	FUEL	LABOR	TOTAL	COST/A
STUBBLE CHOP	.45	1.00	1.45	_____
DISC	.50	.80	1.30	_____
PLOW	1.00	1.40	2.40	_____
LEVEL PLANE OR FLOAT	.55	.90	1.45	_____
WINTER SPUD DITCH	1.25	1.40	2.65	_____
ERADICANE APPL. (DISC 2X OR DO ALL 1X)	.90	1.50	2.40	_____
PLANT SEED/APPLY DYFONATE/STARTER FERT.	.90	.90	1.80	_____
CULTIVATE 2X	.70	2.00	2.70	_____
SPRING SPUD DITCH	2.50	2.80	5.30	_____
EMPLOYEE PICKUPS	3.14		3.14	_____
RAIN MAINTENANCE		2.50	2.50	_____
RECLAMATION FEES			15.00	_____
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TOTAL	11.89	15.20	42.09	_____

CHEMICAL AND SEED COSTS	COST/A	COST/A	COST/A	
	MATERIAL	APPLIC.	TOTAL	
STARTER 8-24-6 + ZINC	33.15		33.15	_____
SEED	23.00		23.00	_____
ROUNDUP/1 PINT BY AIR	9.28	5.50	14.78	_____
DYFONATE @ 10 LBS/A	10.30		10.30	_____
ERADICANE @ 7 1/3 PINTS/A	22.63		22.63	_____
COMITE @ 1 QUART/A, AIR APPL.	12.17	5.50	17.67	_____
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TOTAL	110.53	11.00	121.53	_____

HARVEST				
TRUCKS			.70	_____
COMBINE			1.00	_____
STORAGE (COMMERCIAL DRYING) \$6.00/TON			27.00	_____
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		TOTAL:	28.70	_____

	COST/A	YOUR COST/A
LABOR COSTS		
IRRIGATE 3X	3.00	_____
MECHANIC	10.00	_____
HARVEST LABOR (1 MAN)	3.00	_____
OVERTIME	2.21	_____
	-----	_____
TOTAL:	18.21	_____

DEBT SERVICE		
INTEREST ON LOAN	35.00	_____
INTEREST ON EQUIPMENT	4.50	_____
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TOTAL:	39.50	_____

CASH OVERHEAD		
SHARE RENT (15% OF GROSS INCOME)	47.93	_____
REPAIR/MAINTENANCE	54.25	_____
MANAGEMENT SALARY & BENEFITS	21.73	_____
EMPLOYEE BENEFITS (30% OF LABOR COSTS)	10.02	_____
OFFICE MANAGEMENT	10.86	_____
TAXES ON EQUIPMENT	2.57	_____
INSURANCE	5.00	_____
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TOTAL:	152.36	_____

*****TOTAL CASH EXPENSES PER ACRE*****	402.39	_____
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NON-CASH COSTS		
INTEREST ON BUILDINGS	10.67	_____
BUILDING DEPRECIATION	4.44	_____
EQUIPMENT DEPRECIATION	37.50	_____
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TOTAL:	52.61	_____

*****TOTAL COSTS PER ACRE FOR CORN*****	455.00	_____
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NET PROFIT OR LOSS PER ACRE OF CORN, ASSUMING \$402/ACRE CASH COSTS

YIELD TONS/A	MARKET PRICE PER TON					
	\$68	\$70	\$72	\$74	\$76	\$78
3.60	-157.59	-150.39	-143.19	-135.99	-128.79	-121.59
3.80	-143.99	-136.39	-128.79	-121.19	-113.59	-105.99
4.00	-130.39	-122.39	-114.39	-106.39	-98.39	-90.39
4.20	-116.79	-108.39	-99.99	-91.59	-83.19	-74.79
4.40	-103.19	-94.39	-85.59	-76.79	-67.99	-59.19
4.60	-89.59	-80.39	-71.19	-61.99	-52.79	-43.59
4.80	-75.99	-66.39	-56.79	-47.19	-37.59	-27.99
5.00	-62.39	-52.39	-42.39	-32.39	-22.39	-12.39
5.20	-48.79	-38.39	-27.99	-17.59	-7.19	3.21
5.40	-35.19	-24.39	-13.59	-2.79	8.01	18.81
5.60	-21.59	-10.39	.81	12.01	23.21	34.41
5.80	-7.99	3.61	15.21	26.81	38.41	50.01
6.00	5.61	17.61	29.61	41.61	53.61	65.61
6.20	19.21	31.61	44.01	56.41	68.81	81.21
6.40	32.81	45.61	58.41	71.21	84.01	96.81
6.60	46.41	59.61	72.81	86.01	99.21	112.41
6.80	60.01	73.61	87.21	100.81	114.41	128.01
7.00	73.61	87.61	101.61	115.61	129.61	143.61
7.20	87.21	101.61	116.01	130.41	144.81	159.21
7.40	100.81	115.61	130.41	145.21	160.01	174.81
7.50	114.41	129.61	144.81	160.01	175.21	190.41

1986 SAMPLE COSTS TO PRODUCE CORN ON MINERAL AND PEAT SOILS

SOIL REQUIREMENTS - Fertile, well-drained soils of organic or mineral type.

PLANTING DATES - March 20 to May 20. Early plantings are dependent upon soil temperatures. Longer season varieties should be planted first.

HARVEST DATES - September 15 to November 15.

VARIETIES - Superior performance of single cross hybrids the past few years has caused a rapid change from the 4-way crosses. Consult local UC Farm Advisor for current variety recommendations adapted to your location. Varieties change rapidly.

SEEDING RATES - 10 to 15 lbs/ac depending on seed size, seed drop is usually 6-7 inches in the row resulting in stands of 24,000 to 28,000 plants/acre. Populations greater than 30,000 plants/acre have resulted in lodging.

FERTILIZER - Organic soils, 200 lbs/acre 6-20-20, or 30 gallons 8-24-6 +Zn as starter. Cold wet soils increase the need for nitrogen. Mineral soils, same starter fertilizers plus 100 lbs nitrogen pre-plant plus sidedress or water-run 50 lbs/ac if beeded. If potash levels are low, 400 lbs/ac should be applied broadcast and disced in. Potassium increases the stalk strength of corn.

IRRIGATION - 2.5 to 3.5 acre feet of water. On peat, sub-irrigate 3 times; on mineral soil 8-9 irrigations depending on variety and growing temperatures. Early irrigation is essential for high yields. If corn is stressed yields will be reduced.

WEED CONTROL - Timely cultivation for watergrass and broadleaf weeds. 2,4-D directed for escaped broadleaf or atrazine + oil early post-emergence when weeds are less than 1.5 inches tall. Sutan, Surpass, Lasso, Dual plus Bladex in combination (except on peat soils) have provided excellent preplant incorporated weed control.

INSECT CONTROL - Mites; Kelthane or Comite provides fair to good control. Apply before plants are 3-4 feet tall. For cutworms apply seven bait, best to irrigate and then apply.

DISEASE CONTROL -

Sugar Cane Mosaic: Control Johnsongrass in surrounding fields with Roundup.

Root and Stalk Rots: Avoid plant stresses, use adapted varieties.

Fusarium Ear Rot: Avoid irrigation during calm, hot highly humid weather during milk and dough stage; use adapted varieties; do not allow fields to stress.

Head Smut: Provide favorable seedbed conditions, use adapted varieties, rotations and good weed control. Use same control measures for Boil Smut.