

SAMPLE COSTS TO PRODUCE GRAIN CORN
Eastside Stanislaus County 1984

Labor rate	\$	5.50 /hr. tractor operator
Fuel cost	\$	1.05 /per gallon
Tractor - 85HP		3.56 gallons per hour
Tractor - 130HP		5.45 gallons per hour
Farm size		250 acres
Yield		4 tons
Manure to last		2 years

Cash and Labor Costs per Acre

Operation	No. Times	Acres /Hr.	Hrs./ Acre	Labor	Fuel	Materials and Custom Work		\$/Acre	My Cost
						No. Units	\$/Unit		
Land preparation:									
Rip	0	4	0	.00	.00	0 hour(s)	60.00	.00	
Chisel	2	5	.40	2.20	2.29			4.49	
Plow	0	4	0	.00	.00	0 acre	14.00	.00	
Float	0	4	0	.00	.00	0 acre	2.50	.00	
Pull checks	1	10	.10	.55	.57	0 acre	2.50	1.12	
Preirrigate	1	3	.33	1.83	1.91	1 irrig.	.45	4.19	
Disk	1	7	.14	.79	.82	0 acre	8.00	1.60	
SUBTOTAL				5.37	5.59			11.41	
Fertilize									
manure	0					30 yards	3.00	.00	
Spread manure	1					30 yards	1.30	9.75	
commercial fertilizer	0					400 lbs.	.15	.00	
Spread fertilizer	0	15	0	.00	.00	1 acre	4.00	.00	
Soil amendment(s)	0					1 ton	25.00	.00	
Spread amendment	0	15	0	.00	.00	1 acre	4.00	.00	
Preplant herbicide	1					.75 gallons	26.00	19.50	
Micronutrient	1					.5 gallons	9.00	4.50	
Disk and apply herbicide	2	4	.50	2.75	1.87	1 acre	.90	5.52	
Pull checks	2	10	.20	1.10	1.14	0 acre	2.50	2.24	
Seed	1					.3 bag	68.00	20.40	
cutworm control	1					12 lbs	1.95	.00	
commercial fertilizer	1					250 lbs.	.11	27.50	
Plant	1	6	.17	.92	.95	0 acre	10.00	1.87	
Harrow	0	10	0	.00	.00	0 acre	2.50	.00	
Irrigate	0	3	2.67	14.67		1 irrig.	.45	18.27	
Water run nitrogen	2					50 units	.26	26.00	
Sidedress nitrogen	0					100 units	.26	.00	
Application	0					0 acre	8.00	.00	
Postemergent herbicide	0					.13 gallons	40.00	.00	
Apply herbicide	0	10	0	.00	.00	0 acre	6.25	.00	
Insecticide or Miticide	1					.30 gallons	50.00	15.00	
Apply Insecticide	0					1 acre	6.25	6.25	
SUBTOTAL				19.43	3.97			156.80	
Interest on operating capital @ 14 percent for 6 months									4.30
PREHARVEST CASH COSTS								PER ACRE	172.50
								PER TON	43.13

HARVEST COSTS			
Custom combine	1 ton	16.00	54.00
Hauling	1 ton	6.50	26.00
TOTAL HARVEST COSTS		PER ACRE	90.00
		PER TON	22.50

CASH OVERHEAD			
Misc., office, etc.			13.00
Taxes	.5 year	10.18	5.09
Insurance			1.73
Equipment repairs			18.09
TOTAL CASH OVERHEAD COSTS			38.71

TOTAL CASH COSTS		PER ACRE	301.21
		PER TON	75.30

Investment	Per Acre	Years life	Annual Cost		
			Interest @ 12%	Depreciation	
Land	1000.00		120.00		
Equipment			34.74	45.14	
Irrigation system	225.00	30	27.00	7.50	
Laser leveling	100.00	8	12.00	12.50	
TOTAL INVESTMENT COSTS PER .5 YEAR PER ACRE			96.87	32.57	129.44

TOTAL COST PER ACRE		PER ACRE	430.65
		PER TON	107.66

EQUIPMENT LIST										
Item	Hours Used	New Cost	Hours Life	Years Life	Acres Used	Repair Cost/hr.	Depre- ciation	Interest	Repair Cost/A	Total Annual Costs
130 HP Wheel tractor	1.41	50700	12000	10	250	5.07	20.3	12.17	7.15	39.59
85 HP Wheel tractor	.17	3200	12000	10	250	.27	1.28	.77	.04	2.09
Ripper, Big Ox	.00	10000	2500	15	250	4.00	0	.00	.00	.00
Chisel	.40	7000	2500	15	250	3.36	1.07	1.68	1.34	4.89
Disk, stubble, 12'	.64	18000	2500	15	250	8.64	4.8	4.32	5.55	14.67
Plow, 2-way hydraulic	.00	10000	2500	15	150	4.00	0	.00	.00	.00
Float, 12'	.00	1300	2500	10	250	.31	0	.00	.00	.00
Ridger	.30	1000	2500	15	150	.48	.44	.40	.14	.99
Harrow, spike, 12'	.50	950	2500	20	250	.46	.19	.23	.23	.65
Corn planter	.17	5300	1200	20	100	4.42	2.65	3.18	.74	6.57
Pickup truck		15000	2000	10	250	4.50	6	3.60	1.50	11.10
Shop tools		19000		15	250		5.07	4.56	1.27	10.89
Buildings		16000		25	250		2.56	3.84	.13	6.53
TOTAL EQUIPMENT COST							45.1	34.74	18.09	97.97