

SAMPLE COSTS TO PRODUCE CORN ON CLAY SOILS

SAN JOAQUIN COUNTY - UPDATED APRIL 1983

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Based on 5 tons/acre yield, \$130/ton.

Operation	Hours Per Acre	Cash and Labor Cost per Acre				Total
		Labor	Fuel and Repairs	Materials Kind and Quantity	Cost	
Cultural costs						
Chisel (plow or subsoil)	.5	\$3.25	\$ 7.75			\$ 11.00
Disc 4x, incorp. herbicide	1.0	6.50	15.50			22.00
Smooth, level 2x	.5	3.25	7.25			10.50
List & fertilize				Custom applied	\$11.50	
				20 gal 8-24-6 @		
				\$1.52/gal	30.40	41.90
Plant	.2	1.30	1.60	Seed 20 lbs @		
				\$1.10/lb	22.00	24.90
Cultivate, 2x	1.0	6.50	7.00			13.50
Sidedress, N fertilizer				Custom applied	10.25	
				Ammonia, 200 lbs		
				@ .20/lb	40.00	50.25
Herbicide (post)				Atrazine + oil	9.90	
				+ air appl.	6.00	15.90
Mite control				Comite, 1 qt/ac.	13.75	
				+ air appl.	6.00	19.75
Irrigate, 10x	7.0	38.50		Water, 5 ac. ft		
				@ \$13.50	67.50	106.00
Open & close ditches	1.0	6.50	7.00			13.50
TOTAL CULTURAL COSTS						\$329.20
Harvest costs						
Custom				\$14/ton		\$ 70.00
Haul, 20-25 miles				\$5.70/ton		28.50
Dry, from 18%				\$6.50/ton		32.50
TOTAL HARVEST COSTS						\$131.00
Cash overhead						
Misc., office, etc.		(5% of cultural & harvest costs)				\$ 23.01
Taxes						1.50
Rent						150.00
TOTAL CASH OVERHEAD						\$174.51
TOTAL CASH COST/ACRE						\$634.71
TOTAL CASH COST/TON @ 5 TONS/ACRE						\$126.94
Investment						
		<u>Per Acre</u>		<u>Annual Cost</u>		
				<u>Depreciation</u>	<u>Interest</u>	
Total Investment		\$150		\$15.00	\$9.00	\$ 24.00
TOTAL COST PER ACRE						\$658.71
TOTAL COST PER TON OF CORN						\$131.74

COMMENTS ON SAMPLE COSTS
TO PRODUCE CORN IN SAN JOAQUIN COUNTY

1. This study is an update of one done in 1980 on clay soils of this county.
2. Equipment operating costs are listed under fuel and repairs. The figures include fuel, maintenance, replacement parts, tires, etc.
3. In allocating equipment costs, a value of \$150 per acre was assumed which was depreciated over a 10-year period. An annual interest was charged--one-half of this amount at a rate of 12%. Actual situations could vary greatly from this sample.
4. Labor costs (including insurance, etc.) were figured at \$6.50 for tractor drivers and \$5.50 for irrigators and common labor.
5. No management fee was included, nor was interest on the production costs.
6. Production costs of corn grown on the organic or lighter mineral soils of the Delta would be less than those used in this study.