

SAMPLE COSTS TO PRODUCE CORN

Sutter County - March 1970

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 Production data: Yield 8,000 lb. Labor \$2.20 and \$1.90 including Social Security and
 Compensation Insurance. Based on 200 acres in a 1,000 acre farm operation.

Operation	Hours Per Acre	Labor	Fuel and repairs	Cash and labor cost per acre		Total
				Materials Kind and Quantity	Cost	
Cultural costs						
Disk 2x	.4	.90	1.70			2.60
Harrow 2x	.2	.45	.35			.80
Plant & fertilize (30" rows)	.3	.65	.45	Seed 15 lb. @ 30¢ 16-20-0	4.50 3.75	9.35
Fertilize	.5	1.10	.75	N - 200 lb @ 10¢	20.00	21.85
Cultivate 2x	.6	1.30	.90			2.20
Ditch	.1	.20	.30			.50
Irrigate 5x	5.0	9.50	1.15	Water	4.00	14.65
Spider mite spray	.2	.45	.35	Kelthane 1 lb.	4.25	5.05
Misc.	1.0	2.20	1.15		4.00	7.35
TOTAL CULTURAL COSTS		16.75	7.10		40.50	64.35

Harvest costs						
Combine				8,000 lb. @ \$10 + 10¢ cwt.		18.00
Haul				4 tons @ \$2		8.00
Dry				4 tons @ 3.75		15.00
TOTAL HARVEST COSTS						41.00

Cash overhead						
Misc., office, etc.					10.85	
Taxes					10.00	
TOTAL CASH OVERHEAD						20.85

TOTAL CASH COST					79.05	126.20
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Management 5% of 8,000 lb. @ 2.50						10.00
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INVESTMENT	Per Acre	Annual Cost		Interest (7%)	
		Depreciation			
Land	900			63.00	
Irrigation system	100	5.00		3.50	
Equipment	80	8.00		2.80	
Total	1,080	13.00		69.30	
					82.30

TOTAL COST PER ACRE						218.50
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Cost per cwt.	@ 8,000 lb. yield					2.73
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CORN CULTURAL BRIEFS

Soil Requirements: For maximum production fertile, deep, well drained soil is required.

Planting Dates: As soon as soil warms up, usually around April 15 in our area.

Harvest Dates: September

Varieties: Many commercial varieties available. Days to maturity is important. Many of the varieties have been grouped by days to maturity. List is available from your Farm Advisors Office.

Seeding Rate: Depends on size of seed and plant population desired, usually about 15 lbs/A.

Fertilizer: Soil tests for phosphorus and potassium are helpful. At planting 10-20 lbs. N and 13-26 lbs. P (30-60 lbs. P_2O_5) under or two inches to the side of seed plus around 200 lbs. N preplant or sidedressed. Depends on soil type, previous crop, etc.

Irrigation: 2-1/2 - 3-1/2 acre feet of water - 5-8 irrigations.

Weed Control: Timely cultivation for grass and broadleaf weed control. Herbicides -- 2,4-D amine for broadleaved weed control. Atrazine - preplant, pre-emergence or early post-emergence. See UC recommendations. Atrazine and Oil -- post-emergence. When atrazine is used no other crop except corn or sorghum can be planted for 18 months. Other herbicides are being tested.

Insect Control: Mites - 1 lb. Kelthane when plants are 3-4 feet tall. Other - Cutworms, armyworms, darkling ground beetles, flea beetles, wireworms, etc. See UC Pest Control Recommendations for control.

Diseases: Sugar cane mosaic - carried by aphids. Root and stalk rot, fusarium ear rot, head smut, boil smut.