

# HYBRID FIELD CORN COSTS

in  
SOLANO COUNTY



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SAMPLE COSTS TO PRODUCE HYBRID FIELD CORN IN SOLANO COUNTY - Based on 240 Acre farm with 80 Acres in Corn. Yield 4,000 lbs

Operation, crew and equipment	Hours per Acre	Cash and Labor Costs per Acre					Total Cash Cost	Interest and Deprec. on Equip.	Total Cost per Acre
		Labor	Tractor and Equip.	Contract Charges	Material Kind and amount	Value			
<b>Cultural Cost:</b>									
Landplane every 3 years, man, 40 HP tractor, 8' x 30' Landplane, charge half to corn	.2	.25	.30				.55	2.10	2.65
Disc-man, 40 HP tractor, 12' dbl. disc	.3	.40	.40				.80	1.20	2.00
Check-man, 40 HP tractor, ridger	.1	.15	.15				.30	.55	.85
Pre-irrigate	1.0	1.00	.15		Power for 3" water	.65	1.80		1.80
Disc-man, 40 HP tractor, 12' dbl. disc	.3	.40	.40				.80	1.20	2.00
Harrow-man, " " " " 20' spike	.1	.15	.15				.30	.45	.75
Plant-man, 30 HP tractor, 4 row plant	.5	.65	.50		Seed 10 lbs.	2.50	3.65	.85	4.50
Cultivate-2 times, man, " " " cult.	1.0	1.25	1.00				2.25	.95	3.20
Fertilize-man 30 HP tractor rented	.5	.65	.50	.50	Nitrogen 150 lbs.	15.75	17.40	.40	17.80
Irrigate 5 times applicator	8.0	8.00	1.20		Power for 2 acre-feet	5.00	14.20	3.00	17.20
<b>Total Cultural Cost</b>		<b>12.90</b>	<b>4.75</b>	<b>.50</b>		<b>23.90</b>	<b>42.05</b>	<b>10.70</b>	<b>52.75</b>
<b>Harvest Cost:</b>									
Picking at \$10. ton				20.00			20.00		
Shelling at 2. ton				4.00			4.00		
Hauling at 2. ton				4.00			4.00		
<b>Total Harvest Cost</b>				<b>28.00</b>			<b>28.00</b>		<b>28.00</b>
<b>Total</b>		<b>12.90</b>	<b>4.75</b>	<b>28.50</b>		<b>23.90</b>	<b>70.05</b>	<b>10.70</b>	<b>80.75</b>
<b>Investment and Depreciation Record</b>		<b>Original Cost</b>		<b>Annual Overhead</b>		<b>Miscellaneous costs:</b>			
Item	Total	to Corn	Dep.	Int.					
Tractor 40 HP track	\$ 6500.	2167.	145.	54.			5.00		
Tractor 30 HP wheel	3100.	1033.	69.	26.			3.00		
Landplane 8' x 30'	2000.	1000.	67.	25.					
Disc 12' double	900.	300.	20.	8.					
Checker, disc	450.	150.	10.	4.					
Harrow, spike 20'	280.	93.	6.	2.					
Planter, 4 row	600.	300.	20.	8.					
Cultivator, 4 row	415.	138.	9.	3.					
Well 400'	4400.	2200.	73.	55.					
Pump, 1500 gpm 40 HP	3000.	1500.	75.	38.					
Buildings	5000.	1667.	67.	42.					
Misc. Equipment	355.	118.	12.	3.					
Land 240 Acres	96000.	32000.	--	1,600.					
<b>Total</b>	<b>123000.</b>	<b>42666.</b>	<b>573.</b>	<b>1,868.</b>					
<b>Per Acre</b>	<b>512.</b>	<b>534.</b>	<b>7.16</b>	<b>23.35</b>					
							<b>8.00</b>	<b>20.00</b>	<b>28.00</b>
							<b>78.05</b>	<b>30.70</b>	<b>108.75</b>
									<b>2.72</b>

## HYBRID FIELD CORN COSTS IN SOLANO COUNTY

This publication is intended primarily for the use of the grower who is planning to grow hybrid field corn for the first time. The costs given here are typical for Solano County outside of the Delta. It has been prepared at this time because of the growing interest in hybrid field corn in the Dixon district.

### Size of Farm

It is assumed that this corn will be grown on a farm of 240 acres, of which 80 acres are planted to hybrid field corn, 80 acres to other irrigated crops, and 80 acres to barley. Rotation of crops would be practical on this farm.

The farm would be large enough to justify the purchase of the equipment necessary for operation of this hybrid field corn enterprise.

### Yields

Experience in Solano County, outside the Delta, indicates that yields of hybrid field corn may vary from  $1\frac{1}{2}$  tons per acre to more than  $3\frac{1}{2}$  tons per acre. This publication assumes a yield of two tons per acre. A new grower on good land who uses good production methods should be able to reach this production.