

SAMPLE COSTS TO PRODUCE GRAIN HAY  
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
Swather		.85 gallons per hour
Farm size		250 acres
Yield		3.5 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		My Cost
						No. Units	\$/Unit	
<b>Land preparation:</b>								
Chisel	0	5	0	.00	.00			.00
Disk	3	7	.43	2.36	2.45			4.81
<b>Fertilize</b>								
manure	0					30 yards	3.00	.00
Spread manure	1					30 yards	1.30	9.75
commercial fertilizer	1					250 lbs.	.11	27.50
Spread fertilizer	0	15	0	.00	.00	1 acre	4.00	4.00
Plant (drill)	1	4	.25	1.38	1.43	0 acre	8.00	2.81
Seed						125 lbs	.23	28.75
Starter fertilizer	0					200 lbs.	.12	.00
Harrow	0	10	0	.00	.00	0 acre	2.50	.00
Postemergent herbicide	1	1				.25 gallons	15.00	3.75
Postemergent herbicide	2	1				.25 gallons	46.00	11.50
Apply herbicide-ground	0					1 acre	6.00	6.00
Apply herbicide-air	0					1 acre	6.25	6.25
Topdress fertilizer	1					75 pounds	.13	9.75
Apply topdress-truck	0					1 acre	4.00	4.00
Apply topdress-air	1					.03 /lb. +	2.25	4.50
Pull checks	2	10	.20	1.10	1.14	0 acre	5.00	2.24
Irrigate	2	3	.67	3.67		1 irrig.	.45	4.57
<b>SUBTOTAL</b>				<b>8.50</b>	<b>5.03</b>			<b>125.37</b>
Interest on operating capital @ 14 percent for 6 months								8.78
<b>PREHARVEST CASH COSTS</b>							<b>PER ACRE</b>	<b>134.14</b>
							<b>PER TON</b>	<b>38.33</b>
<b>HARVEST COSTS</b>								
Swath	0	4	0	.00	.00	1 acre	9.00	9.00
Rake	1	10	.10	.55	.37	0 acre	3.00	.92
Bale	0	10	0	.00	.00	1 bale	.75	42.00
Pick up bales	0					1 bale	.27	15.12
<b>TOTAL HARVEST COSTS</b>							<b>PER ACRE</b>	<b>67.04</b>
							<b>PER TON</b>	<b>19.16</b>

# Sample Costs to Produce Grain Hay

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CASH OVERHEAD			
Misc., office, etc.			10.06
Taxes	.5 year	10.18	5.09
Insurance			1.34
Equipment repairs			12.52

TOTAL CASH OVERHEAD COSTS | 29.01 |

TOTAL CASH COSTS | PER ACRE | 230.19 |  
 | PER TON | 65.77 |

Investment	Per Acre	Years life	Annual Cost	
			Interest @ 12%	Depreciation
Land	1000.00		120.00	
Equipment			39.98	59.79
Irrigation system	225.00	30	27.00	7.50
Laser leveling	100.00	8	12.00	12.50
TOTAL INVESTMENT COSTS PER YEAR .5 YEAR PER ACRE			99.49	39.90

TOTAL COST PER ACRE | PER ACRE | 369.58 |  
 | PER TON | 22.00 |

### 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	11 .63	50700	12000	10	250	5.07	20.28	12.17	3.19	35.63
85 HP Wheel tractor	11 .25	32000	12000	10	250	2.67	12.80	7.68	.67	21.15
Chisel	11 .00	7000	2500	15	250	3.36	.00	.00	.00	.00
Disk, stubble, 12'	11 .43	18000	2500	15	250	8.64	4.80	4.32	3.70	12.82
Ridger	11 .20	1000	2500	15	150	.48	.44	.40	.10	.94
Harrow, spike, 12'	11 .25	950	2500	20	250	.46	.19	.23	.11	.53
Grain drill	11 .25	5300	1200	20	100	4.42	2.65	3.18	1.10	6.93
Self propelled swather	01 .00	25000	2500	10	100	10.00	.00	.00	.00	.00
Rake	11 .10	6000	2500	12	100	2.40	5.00	3.60	.24	8.84
Baler	01 .00	20000	2500	10	100	6.40	.00	.00	.00	.00
Harrowbed	01 .00	27000	2500	10	100	10.80	.00	.00	.00	.00
Pickup truck	11	15000	2000	10	250	4.50	6.00	.00	1.50	7.50
Shop tools	11	19000		15	250		5.07	4.56	1.27	10.89
Buildings	11	16000		25	250		2.56	3.84	.64	7.04

TOTAL EQUIPMENT COST | 59.79 | 39.98 | 12.52 | 112.28 |