

SAMPLE COSTS TO PRODUCE WINTER SILAGE
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		15 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	
Land preparation:								
Chisel	0	5	0	.00	.00			.00
Disk	3	7	.43	2.36	2.45			4.81
Fertilize								
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	1	1				1 acre	6.00	6.00
Apply herbicide-air	0					0 acre	6.25	.00
Topdress fertilizer	1	1				75 pounds	.13	9.75
Apply topdress-truck	0					1 acre	4.00	4.00
Apply topdress-air	1	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
SUBTOTAL				8.50	5.03			119.12
Interest on operating capital @			14	percent for		6 months		8.34
PREHARVEST CASH COSTS							PER ACRE	127.45
							PER TON	8.50
HARVEST COSTS								
Swath	0	4	0	.00	.00	0 acre	9.00	.00
Custom chopping, hauling and packing						1 ton	5.50	82.50
TOTAL HARVEST COSTS							PER ACRE	82.50
							PER TON	5.50

Sample Costs to Produce Winter Silage

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Cash Overhead:					
Misc., office, etc.					6.37
Taxes		.5 year	10.18		5.09
Insurance					1.27
Equipment repairs					1.10

TOTAL CASH OVERHEAD COSTS | 13.84 |

TOTAL CASH COSTS | PER ACRE | 223.80 |
 | PER TON | 14.92 |

Investment	Per Acre	Years life	Annual Cost		
			Interest @ 12%	Depreciation	
Land	1000.00		120.00		
Equipment			3.18	2.65	
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			81.09	11.33	92.42

TOTAL COST PER ACRE | PER ACRE | 316.21 |
 | PER TON | 21.08 |

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	.63	50700	12000	10	250	5.07	20.20	12.17	3.19	35.63
85 HP Wheel tractor	.25	32000	12000	10	250	2.67	12.80	7.68	.67	21.15
Chisel	.00	7000	2500	15	250	3.36	.00	.00	.00	.00
Disk, stubble, 12'	.43	18000	2500	15	250	8.64	4.80	4.32	3.70	12.82
Ridger	.20	1000	2500	15	150	.48	.44	.40	.10	.94
Harrow, spike, 12'	.25	950	2500	20	250	.46	.19	.23	.11	.53
Grain drill	.25	5300	1200	20	100	4.42	2.65	3.18	1.10	6.93
Self propelled swather	.00	25000	2500	10	100	10.00	.00	.00	.00	.00
Pickup truck		15000	2000	10	250	4.50	6.00	.00	1.50	7.50
Shop tools		19000		15	250		5.07	4.56	1.27	10.89
Buildings		16000		25	250		2.56	3.84	.64	7.04
TOTAL EQUIPMENT COST							54.79	36.38	12.28	103.44

Prepared by Marsha Feyler, Farm Advisor
 October, 1984