

SAMPLE COSTS TO PRODUCE GRAIN LUPINE
Eastside Stanislaus County 1984

Yield		1.50 tons/acre
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
Farm size		250 acres
Yield		1.7 tons
Manure to last for		2 years

Cash and Labor Costs per Acre

Operation	No. Times	Acres /Hr.	Hrs./ Acre	Labor	Fuel	Materials and Custom Work/ No. Units	\$/Unit	\$/Acre	My Cost
Land preparation:									
Chisel	0	5	0	.00	.00			.00	
Disk	3	7	.43	2.36	2.45			4.81	
Landplane	0	4	0	.00	.00	0 acre	3.00	.00	
Float	0	4	0	.00	.00	0 acre	2.50	.00	
Pull levees	2	10	.20	1.10	1.14	0 acre	2.50	2.24	
Fertilize									
Manure	0					30 yards	3.00	.00	
Spread manure	1					30 yards	1.30	9.75	
commercial fertilizer	1					200 lbs.	.11	22.00	
Spread fertilizer	0	15	0	.00	.00	1 acre	4.00	4.00	
Disk	1	4	.25	1.38	.93	0 acre	3.00	2.31	
Seed						150 lbs	.28	42.00	
Plant (drill)	1	4	.25	1.38	.93	0 acre	10.00	2.31	
Preemergence herbicide	1					.32	60.00	19.20	
Apply herbicide	1	10	.10	.55	.37	0 acre	6.25	.92	
Irrigate	3	3	1.00	5.50		1 irrig.	.46	5.96	
SUBTOTAL				8.80	2.24			115.51	
Interest on operating capital @ 14 percent for 6 months								2.49	
PREHARVEST CASH COSTS							PER ACRE	117.99	
							PER TON	69.41	
Harvest									
Custom combine						1 acre	25.00	25.00	
Hauling						1 ton	7.00	10.50	
Harvest Costs							PER ACRE	35.50	
							PER TON	20.88	
CASH OVERHEAD									
Misc., office, etc.								9.44	
Taxes							.5 year	10.18	5.09
Insurance								1.53	
Equipment repairs								18.20	
TOTAL CASH OVERHEAD COSTS								34.27	
TOTAL CASH COSTS							PER ACRE	152.26	
							PER TON	89.56	

Investment	Per Acre	Years life	Annual Costs			
			Interest @ 12%	Depreciation		
Land	1000.00		120.00			
Equipment			36.76	47.90		
Irrigation system	225.00	30	27.00	7.50		
Laser leveling	100.00	8	12.00	12.50		
TOTAL INVESTMENT COSTS PER .5 YEAR PER ACRE			97.88	33.95		131.83
TOTAL COST PER ACRE					PER ACRE	284.09
					PER TON	167.11

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	.88	50700	12000	10	250	5.07	20.3	12.17	4.45	36.90	
85 HP Wheel tractor	.35	3200	12000	10	250	.27	1.28	.77	.09	2.14	
Chisel	.00	7000	2500	15	250	3.36	0	.00	.00	.00	
Disk, stubble, 12'	.68	18000	2500	15	250	8.64	4.8	4.32	5.06	14.98	
Landplane	.00	12000	2500	15	250	2.88	0	.00	.00	.00	
Float, 12'	.00	1300	2500	10	250	.31	0	.00	.00	.00	
Ridger	.20	7000	2500	15	250	3.36	1.07	1.68	.67	4.22	
Harrow, spike, 12'	.25	950	2500	20	250	.46	.19	.23	.11	.53	
Drill, 12'	.25	5300	1200	20	250	4.42	1.06	1.27	1.10	3.44	
Sprayer, 300 gal.	.10	18000	2500	15	250	5.76	4.8	4.32	.58	9.70	
Pickup truck		15000	2000	10	250	4.50	6.00	3.60	3.60	13.20	
Shop tools		19000		15	250		5.07	4.56	1.52	11.15	
Buildings		16000		25	250		2.56	3.84	.20	6.60	
TOTAL EQUIPMENT COST							47.9	36.76	18.20		102.86

Prepared by Marsha Feyler, Farm Advisor
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