

LARGE LIMA BEANS - SINGLE CROPPED

By H. Agamalian and
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Monterey County Cost Analysis Worksheet - 1970

	Sample Costs		My Costs	
	Per Acre	Per Cwt	Per Acre	Per Cwt.
<u>Pre-Harvest Cash Costs (Tenant)</u>				
Soil fumigation, if required = \$26.60	0.00			
Land preparation: 3 1/4 hrs crawler tractor	19.34			
List and fertilize - custom	3.75			
material	16.00			
Pre-irrigate: 7" water at \$7.25 ac ft	5.83			
sprinkler booster cost	1.17			
labor 2 hrs	4.40			
Herbicide: custom; materials and application costs	12.00			
Plant: 1/2 hr 2 men and wheel tractor	3.35			
Seed: 110 lbs at \$14.00 cwt	15.40			
Cultivate 3x: 1 hr wheel tractor	4.50			
Irrigate 5x: 12 hrs labor	26.40			
water: 2 ac ft at \$7.25	14.50			
Hoe and weed: 7 hrs labor	15.40			
Insecticides: custom average 1 1/2 applications at \$8.25	12.38			
Pickup truck: 10 miles at 14¢	1.40			
Cover crop: 1/4 of \$10.00 per ac cost	2.50			
Rent: 12 month basis - approximate average cost to tenant	100.00			
Personal property taxes - tenant's equipment	5.75			
Repairs, except tractors	9.75			
Misc. labor, materials, incl. 1/4 hr wheel tractor	8.25			
Office, car, business costs	19.42			
<u>Total pre-harvest cash costs</u>	<u>301.49</u>	<u>12.06</u>		
<u>Harvesting Costs:</u>				
Cut and rake vines; 1 1/2 hrs wheel tractor	6.75			
Handwork on windrows 1/2 hr labor	1.10			
Combine: custom basis 60¢ cwt on field run basis (21 sacks cleaned)	15.00			
Cleaning: \$9.50 ton, field weight	11.88			
Sacks: 21 at 32.5¢ each	6.82			
Storage: \$7.00 ton; usually paid by buyer	0.00			
<u>Total harvest costs (Tenant)</u>	<u>41.55</u>	<u>1.66</u>		
<u>Total cash costs (Tenant)</u>	<u>343.04</u>	<u>13.72</u>		
<u>Depreciation: (Tenant)</u>				
Tractors: crawler 3 1/4 hrs at \$2.00	6.50			
wheel 3 1/4 hrs at \$1.20	3.90			
Irrigation equipment: \$150 10 yrs	15.00			
Tillage, other equipment \$62 10 yrs	6.20			
<u>Total depreciation (Tenant)</u>	<u>31.60</u>	<u>1.26</u>		
<u>Total interest on investment at 7% (Tenant)</u>				
Tractors: crawler 3 1/4 hrs at \$1.14	3.70			
wheel 3 1/4 hrs at .70	2.28			
Irrigation equipment 1/2 cost \$75.00	5.25			
Tillage, other equipment 1/2 cost \$31.00	2.17			
<u>Total interest on investment (Tenant)</u>	<u>13.40</u>	<u>.54</u>		
<u>Tenant total cost of production (field run basis)</u>	<u>388.04</u>	<u>15.52</u>		
<u>Cost per cwt clean basis (84% cleanout)</u>		<u>18.48</u>		

Sample costs to produce large lima beans, single cropped on rental ground. Costs are based on a yield of 2500 pounds of field run beans per acre. Man labor at \$2.20 per hour total and equipment operator \$2.75. Heavy crawler tractor per hour cash costs \$3.20, depreciation \$2.00 and interest \$1.14. Medium wheel tractor \$1.75, \$1.20 and 70¢. UC Cooperative Extension

SAMPLE COSTS OF PRODUCTION AT VARYING YIELDS
ON FIELD RUN BASIS (TENANT'S COSTS)

Yield: pounds per acre, field run basis	1500	1800	2100	2400	2700	3000
Cash Costs per Cwt	\$21.98	\$18.54	\$16.08	\$14.24	\$12.80	\$11.66
Total Costs per Cwt	\$24.98	\$21.04	\$18.22	\$16.11	\$14.47	\$13.16

GREEN FORDHOOK LIMA BEANS FOR FREEZING - SINGLE CROPPED - MONTEREY COUNTY

COST ANALYSIS WORK SHEET - 1970

By H. Agamalian and E. A. Yeary

	SAMPLE COSTS		MY COSTS	
	Per Acre	Per Cwt	Per Acre	Per Cwt
PRE-HARVEST CASH COSTS				
Fumigation, if required: bed top-custom	26.60			
Land preparation: 3¼ hrs crawler tractor	19.34			
List and fertilize: custom	3.75			
Materials	20.00			
Pre-irrigate: 7" water at \$7.25 ac ft	5.83			
Sprinkler booster cost	1.17			
Labor: 2 hrs total	4.40			
Herbicide: custom; materials and application costs	12.00			
Plant: ½ hr - 2 men and wheel tractor	3.35			
Seed: 160 lbs at \$23.86 per cwt	38.18			
Cultivate 3x: 1 hr wheel tractor	4.50			
Irrigate 5x: 12 hrs labor	26.40			
Water: 2 ac ft at \$7.25	14.50			
Hoe and weed: 7 hrs labor	15.40			
Insecticides: custom; average 1½ applications at \$8.25	12.38			
Pickup truck, 10 miles at 14¢	1.40			
Cover crop: ¼ at \$10.00 per acre cost	2.50			
Rent 1/3 share + \$7.68 taxes minus 1/3 of fumigation & fertilizer = net rent	107.21			
Repairs: except tractors	9.75			
Personal property taxes - equipment	2.75			
Misc. labor, material, field power, etc. including ¼ hr wheel tractor	8.25			
Office, business costs, etc.*	20.38			
Total Pre-harvest cash costs	360.04	9.00		
Harvesting costs				
Cut and windrow vines				
¼ hr man and wheel tractor	1.13			
Other harvesting operations furnished by processor				
Total harvest costs (tenant)	1.13	.03		
Total Cash Costs (tenant)	361.17	9.03		
Depreciation (tenant)				
Tractors: crawler 3¼ hrs at \$2.00	6.50			
wheel 2 hrs at \$1.20	2.40			
Irrigation equipment \$150.00/Acre - 10 yrs	15.00			
Tillage, other equipment \$62.00/Acre - 10 yrs	6.20			
Total depreciation (tenant)	30.10	.75		
Interest on investment at 7% (tenant)				
Tractors: crawler 3¼ hrs at \$1.14	3.70			
wheel 2 hrs at 70¢	1.40			
Irrigation equipment ½ cost \$75.00	5.25			
Tillage, other equipment ½ cost \$31.00	2.17			
Total interest on investment (tenant)	12.52	.31		
Total cost of production (tenant)	403.79	10.09		

*items such as farm organizational dues, typewriter, calculator, stationery, and interest on preplant and pre-harvest investments.

Based on a yield of 4000 lbs per acre

Equipment Operator \$2.75 per hour total

Other Labor \$2.20

Tractor: heavy crawler - total per hour cash costs, \$3.20

Depreciation - \$2.00

Interest - \$1.14

Medium Wheel Diesel Tractor - \$1.75, \$1.20, and \$0.70

SAMPLE COSTS PER CWT AT VARYING YIELDS

Yield: pounds per acre	3000	3400	3800	4000	4200	4600	5000
Cash costs of production	\$11.08	\$10.12	\$ 9.36	\$ 9.02	\$ 8.74	\$ 8.23	\$ 7.80
Total costs of production	\$12.50	\$11.37	\$10.48	\$10.08	\$ 9.75	\$ 9.15	\$ 8.65