

DRY LIMA BEANS

Cost Analysis Work Sheet - 1983

Sample costs to grow dry lima beans in Fresno County. Costs are based on production on rental land. Field labor \$5.50 per hour and equipment operator \$6.50 per hour costs to the grower. 150 h.p. crawler tractor per hour cash costs \$25.60, depreciation \$5.00, and interest \$4.50. 80 h.p. wheel diesel tractor \$12.80, \$2.16, and \$1.30. Yield of large limas is 2,200 pounds per acre and 2,800 for baby limas. Yields are cleaned weights. Field run weight for large limas is 20% over clean limas, and 10% for baby limas.

	Large Limas		Baby Limas	
	Sample Costs		Sample Costs	
	Per Acre	Per Cwt	Per Acre	Per Cwt
PRE-HARVEST CULTURAL & OVERHEAD COSTS:				
Pre-plant tillage 2 hrs. crawler tractor	\$ 64.20	\$	\$ 64.20	\$
Herbicide	4.00		4.00	
Planting: 2 men and wheel tractor, 1/4 hr.	6.20		6.20	
Seed: 80 lbs. @ 50¢ & 60 lbs. @ 40¢ (Bush limas)	40.00		24.00	
Irrigate: 1 pre. & 3-4 crop., 6-5 hvs.	33.00		27.50	
Water: 3 & 2-1/4 ft. @ \$20.00	60.00		45.00	
Pest Control: Custom L.L., 3-4X B.L. 2-3X	40.00		25.00	
Misc. labor, materials, 1/2 hr. wheel tractor	12.00		12.00	
Repairs, except tractor	18.00		18.00	
Rent	125.00		125.00	
Supervision	18.00		18.00	
Interest on operating loan	20.00		20.00	
Office, business costs, personal property taxes	36.93		35.45	
PRE-HARVEST CULTURAL & CASH OVERHEAD	477.33	21.70	424.35	15.16
Harvest Costs:				
Cut & rake wheel tractor, 3/4 hr.	14.50		14.50	
Harvest & haul: contract, both limas \$15 acre plus \$1.50 cwt. dirt weight	54.60		61.20	
Sort & polish: \$3.10 per cwt. dirt weight milling plus \$1.75 per cwt. clean weight. Includes storage and insurance.	120.34		144.48	
TOTAL HARVESTING COSTS	189.44	8.61	220.18	7.86
TOTAL CULTURAL & OVERHEAD COSTS	666.77	30.31	644.53	23.02
Depreciation:				
Tractors (crawler) 2 hrs. @ \$5.00	10.00		10.00	
(wheel) 1-1/2 hrs. @ \$2.16	3.24		3.24	
Other Equipment \$180 - 10 yrs.	18.00		18.00	
TOTAL DEPRECIATION	31.24	1.42	31.24	1.12
Interest on Investment @ 12%:				
Tractors: (crawler) 2 hrs. @ \$4.50	9.00		9.00	
(wheel) 1-1/2 hrs. @ \$1.30	1.95		1.95	
Other Equipment - 1/2 cost \$90	10.80		10.80	
TOTAL INTEREST ON INVESTMENT	21.75	.99	21.75	.78
TOTAL COST OF PRODUCTION	719.76	32.72	697.52	24.92

SAMPLE COSTS OF PRODUCTION AT VARYING YIELDS

Yield: Pounds per acre - clean basis	2000	2200	2400	2600	2800	3000
Large Limas: cash costs per cwt.	\$32.68	\$30.21	\$28.34	\$26.66		
Large Limas: total costs per cwt.	\$36.20	\$33.51	\$31.27	\$29.38		
Baby Limas: cash costs per cwt.			\$25.83	\$24.32	\$23.02	\$21.90
Baby Limas: total costs per cwt.			\$28.04	\$26.35	\$24.92	\$23.66

Prepared by:

Don May
Farm Advisor
Fresno County

University of California
Cooperative Extension
1720 South Maple Avenue
Fresno 93702

Ed Yeary
Farm Advisor
Statewide, AES

February, 1983

UC Cooperative Extension