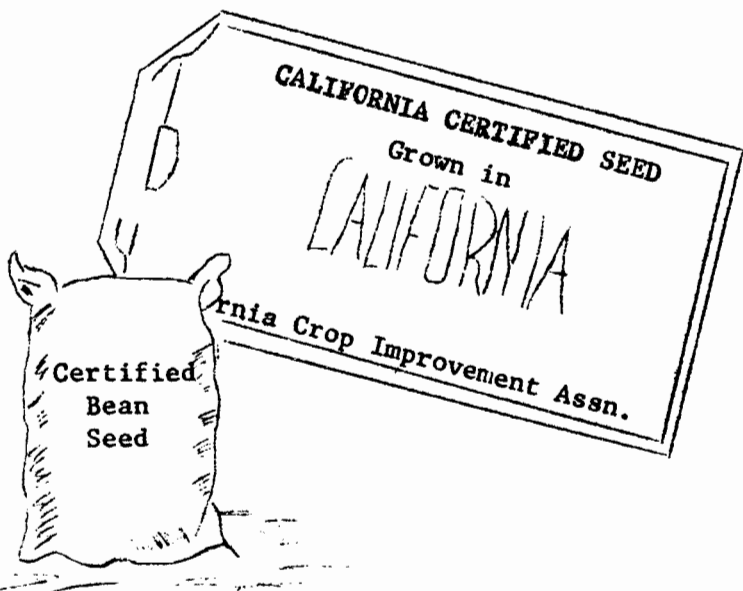


**SAMPLE COSTS TO PRODUCE CERTIFIED**

**RED KIDNEY BEAN SEED - 1966**

**SAN JOAQUIN COUNTY**



**UNIVERSITY OF CALIFORNIA,  
AGRICULTURAL EXTENSION SERVICE  
[ SAN JOAQUIN COUNTY ]**

CERTIFIED RED KIDNEY BEAN SEED PRODUCTION IN SAN JOAQUIN COUNTY

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GENERAL COMMENTS

- \*\*\* Light red kidney beans for seed for New York State have been grown in the Linden-Stockton area since 1940. The acreage reached its peak in the early 1950's and is now fairly stable.
- \*\*\* Light red kidney bean seed produced in California under arid conditions is disease free. It is free of Bacterial Blight and Anthracnose - two seed borne diseases found in New York. There is also either none or a very small amount of mosaic in seed fields.
- \*\*\* Seed fields are inspected for disease, varietal purity and weeds. Seed cleaning and processing are supervised. Seed must meet germination, purity and appearance standards of the California Crop Improvement Association.
- \*\*\* Dark red kidney bean production began in about 1950 and is now half the size of light red acreage. Dark reds are grown some for seed, but mostly for canners. They are grown under the same certification requirements as light reds.
- \*\*\* Kidney beans in the Linden area were originally on alluvial soils. Orchards and other crops have crowded some of the acreage to heavier soil types.
- \*\*\* There has been a trend toward more double-cropping of kidney beans following barley.

COMMENTS ON SAMPLE COSTS

- \*\*\* These costs are on a rental basis. The grower paying cash rent. Owner operators would figure interest on land value, depreciation on pumps, pipelines and other facilities as his costs.
- \*\*\* Equipment investment for this type of farming totaled \$42,790. This was based on present purchase price of equipment for a 300-acre farm with 150 acres of beans. This amounts to an equipment investment per acre of \$148.00. Depreciation on this is \$10.37 and interest at 6% was \$4.41. Total equipment cost then for beans is \$14.78 as shown on the cost sheet.
- \*\*\* Based on the figures in this table, kidney bean growers need over 1800 pound per acre yield at \$10.00 per cwt. price to break even.

**SAMPLE COSTS TO PRODUCE CERTIFIED RED KIDNEY BEAN SEED FOR 1966**  
**Stockton-Linden Area - San Joaquin County**

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1. Hourly Labor Rates Used: Skilled, \$1.75; Irrigators, \$1.50 (Includes Social Security, Compensation Insurance, etc.)

2. Hourly Tractor Rates Used: 60 HP crawler diesel, \$2.00; 30 HP wheel diesel, \$1.00; 20 HP wheel, gas, \$.80. (Covers fuel and repairs).

The costs are based on 150 acres of beans on a 300-acre irrigated farm with a yield of 1,800 pounds of clean beans per acre.

Operation	Hours per Acre	CASH AND LABOR COSTS PER ACRE				Total
		Labor	Fuel and Repairs	Materials	Cost	
<b>Cultural:</b>						
Fall Chiseling	.6	1.05	1.38			2.43
Plowing	.7	1.23	2.46			3.69
Disc 3x in all	.9	1.58	2.16			3.74
Landplane 2x	.6	1.05	1.50			2.55
Fertilize				100 lbs. N @ .10 + .75 appl.	10.75	10.75
Pre-irrigate	1.0	1.50		.5 acre feet @ \$3.16	1.58	3.08
Spring tooth, roller	.2	.35	.70			1.05
Plant	.3	.53	.38	Seed 80 lbs. @12.00	9.60	10.51
Cultivate 3x	1.2	2.10	1.32			3.42
Irrigate 4x	4.0	6.00		1.5 ac.ft. @3.16	4.74	10.74
*Weed Pulling	2.0	3.00				3.00
*Insect control 1x				Red spider, earworms, leaf miner, .500 + plane, 2.75	7.75	7.75
Field inspection fees					.20	.20
Miscellaneous	.5	.88	1.60	Materials	2.52	5.00
<b>TOTAL CULTURAL COSTS</b>	<b>12.0</b>	<b>19.27</b>	<b>11.50</b>		<b>37.14</b>	<b>67.91</b>
<b>Harvest:</b>						
Cut	.3	.53	.47			1.00
Rake	.3	.53	.39			.92
Thresh				18 cwt. @ .65	11.70	11.70
Haul-field to plant				18 cwt. @ .18	3.24	3.24
Clean, fumigate, store, certification				18 cwt. @ 1.15	20.70	20.70
<b>TOTAL HARVEST COSTS</b>	<b>.6</b>	<b>1.06</b>	<b>.86</b>		<b>35.64</b>	<b>37.56</b>
<b>TOTAL CULTURAL AND HARVEST</b>	<b>12.6</b>	<b>20.33</b>	<b>12.36</b>		<b>72.78</b>	<b>105.47</b>
<b>CASH RENT</b>						<b>60.00</b>
<b>DEPRECIATION (10.37) and INTEREST (4.41) on EQUIPMENT INVESTMENT</b>						<b>14.78</b>
<b>TOTAL COSTS PER ACRE</b>						<b>180.25</b>

Cost per cwt. @ 18 cwt. yield = \$10.01

\*These are not the same each year. The operations required through a 3-4 year period were averaged for one season.

NET PROFIT PER ACRE AT VARIOUS YIELDS AND PRICES

Lbs. Yield Per Acre	Price Per Cwt.				Total Cost Per Acre
	\$10.00	\$12.00	\$14.00	\$16.00	
1,500	-24.31	5.69	35.69	65.69	174.31
1,800	-.25	35.75	71.75	107.75	180.25
2,100	23.81	65.81	107.81	149.81	186.19
2,400	47.87	95.87	143.87	191.87	192.13

Harvest - Each 300 lbs.

Thresh	1.95
Haul	.54
Clean, etc.	- 3.45
	<u>5.94</u>

**Prepared by:**

**R. S. Baskett and  
W. W. Mitchell  
Farm Advisors  
San Joaquin County  
145 S. American Street  
Stockton, California 95202**

**Philip S. Parsons  
Extension Economist  
Farm Management  
University of California  
Davis, California 95616**

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