

SUGAR PEAS

Cost Analysis Work Sheet - 1983

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Sample costs to produce sugar peas in Fresno County are based on a yield of 144 55-lb. boxes per acre. Field labor is \$4.00 per hour cost to the grower. Older 30 hp wheel gasoline tractor per hour cash costs \$4.40. Tillage equipment is assumed to be owned by the farmer, and all equipment is already depreciated to a low value. This is considered to be one crop on a 10-acre vegetable farm where several vegetable crops are produced.

PRE-HARVEST COSTS:	Sample Costs		My Costs	
	Per Acre	Per Box	Per Acre	Per Box
	\$	\$		
Land preparation: 2.5 hrs. labor & tractor	21.00			
Spring tooth 2x - 1 hr. labor & tractor	8.40			
Pre-irrigate labor 1 1/2 hr.	6.00			
Planting - 1 hr. labor - 1 hr. tractor	8.40			
Seed - 55 lbs. at 65¢ lb.	35.75			
Staking - 1600/acre & string one time				
72 hrs. labor/acre	288.40			
String - 10 ply - 3 1/4 cases at \$110 each	357.50			
String 9x - 18 hrs. labor each	648.00			
Furrow out 9x - 1 hr. labor & tractor each time	75.60			
Irrigation 9x - 1 hr. each time	36.00			
4 acre feet of water at \$15.00	60.00			
Pest Control - 8 hrs. labor	32.00			
material - 200 lbs.	50.00			
Fertilizer - labor 2 hr.	8.00			
material 40¢/lb. nitrogen	42.00			
Remove stakes - labor 25.6 hrs.	102.40			
Repairs	50.00			
Rent	125.00			
Business costs 6% of Pre-harvest costs	117.24			
<b>TOTAL PRE-HARVEST COSTS</b>	<b>2071.29</b>	<b>14.38</b>		
<b>Harvest Costs</b>				
Cartons at 78¢ each - 144	112.32			
Picking and packing 144 boxes at 40¢ ea. lb.	3168.00			
Transportation	17.28			
<b>TOTAL HARVEST COSTS</b>	<b>3297.60</b>	<b>22.90</b>		
<b>TOTAL CASH COSTS</b>	<b>5368.89</b>	<b>37.28</b>		
<b>Depreciation</b>				
Tractor equipment, irrigation equipment for 10 years \$350/acre	35.00			
Stakes	91.43			
<b>TOTAL DEPRECIATION</b>	<b>126.43</b>	<b>0.88</b>		
<b>Interest on the Investment at 12%</b>				
Tractor and equipment, irrigation equipment 1/2 cost \$175.00/acre	21.00			
Stakes 16 - 1/2 cost \$320.00	38.40			
<b>TOTAL INTEREST ON INVESTMENT</b>	<b>59.40</b>	<b>0.41</b>		
<b>TOTAL COST OF PRODUCTION</b>	<b>5554.72</b>	<b>38.57</b>		

## SUGAR PEAS

### SAMPLE COSTS PER BOX AT VARYING YIELDS\*

Yield:					
55 lb. boxes per acre	100	150	200	250	300
Cash Costs Per Box	\$43.66	\$36.71	\$33.23	\$31.14	\$29.74
Total Costs Per Box	\$45.52	\$37.95	\$34.16	\$31.88	\$30.36

\*In calculating the sample costs at varying yields, times to pick, haul, dump, sort and pack are held constant.

To produce sugar peas many hours of labor are required. The pre-harvest operations require approximately 294 hours of work, and about 792 hours of work are needed to pick, pack and haul a crop of 144 - 55 lb. boxes. These hours of labor are charged in this cost analysis work sheet at \$4.00 each and add to a total of 1086 hours, costing \$4344.00 per acre. This amount to \$30.17 per box at the yield of 144 - 55 lb. boxes per acre.

The grower and family members may be able to do part of the work and reduce the cash cost by a large amount. The amount of money that the family labor earned would be determined by the price received for the sugar peas in the market.

Labor may be available at a cost that is lower than \$4.00 an hour. If so, this would reduce the cost per box below the amounts shown in this cost analysis work sheet.