

University of California
Agricultural Extension Service
Farm and Home Advisors Office
1720 South Maple Ave., Fresno

COST OF CARROT SEED PRODUCTION
in
Fresno County - 1959

Cost of production of a crop will vary from one farm to another depending on the many factors involved. These include the number of operations necessary, insect problems, size of operation, soil characteristics, method of harvest, water costs, etc.

This work sheet gives a sample of costs to produce carrot seed which may or may not be exactly typical of any one farm but includes all those cultural operations and costs normally experienced to produce the crop in this area. Columns are provided for the grower to figure his actual costs.

NOTES

1. Costs will vary with size of operation. Costs given are based on a 10 acre planting on land owned by the operator.
2. Cost of plants is not included. Stecklings are usually furnished by contracting seed company at no direct charge to the grower.
3. Since considerable crop residue remains after harvest, the cost of discing this in was charged to and included with pre-harvest costs of production.
4. This cost analysis is based on chemical weed control and direct combining of the crop. If the plants must be pulled and windrowed by hand due to excessive grasses in the field, harvesting costs will be increased by 40 man-hours per acre for pulling and 8 man-hours per acre for pitching into the combine harvester or a total of \$48 per acre.
5. If the harvester operator desires full payment before clean seed weights are known, harvesting cost can be based on an hourly rate of \$10 to \$12 per hour. Harvesting rate usually runs at 2½ to 3 hrs. per acre.
6. Contracting seed company usually furnishes sacks or bins to handle threshed seed, hauls to the mill, and cleans seed at no direct charge to the grower.

Farm Advisors

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C O S T A N A L Y S I S W O R K S H E E T

Sample Costs to Produce Carrot Seed in Fresno County - 1959

Based on a yield of 1000 pounds clean seed per acre. Man labor @ \$1.00 per hr. and tractor operator @ \$1.25 per hr. 40 h.p. wheel tractor - per hour cash cost \$1.25, depreciation \$0.60, interest \$0.30

	Sample Costs		My Costs	
	Per acre	Per pound	Per acre	Per pound
PRE-HARVEST CASH COSTS:				
Plow 1 x - 1 hr; disc 2 x - 1 hr. man & tractor	\$5.00			
Harrow: ¼ hr. man & tractor	0.63			
List beds ½ hr.; chisel beds ½ hr. man & tractor	2.50			
Plant stocklings including distribution-25 man hrs. man & tractor ½ hr.	25.00 1.25			
Cultivate, reshape beds, furrow out ½ hr. man & tractor	1.25			
Ditch and border work - ½ hr. man & tractor	1.25			
Fertilizer materials: 400 lbs. 16-20-0 @ \$84.50/ton 60 lbs. N (aqua ammonia) @ 13¢	16.90 7.80			
Fertilizer application: 1 hr. man & tractor	2.50			
Water: 3 ac. ft. @ \$6.00	18.00			
Irrigate 6 x - 6 hrs.	6.00			
Hand weeding 1 x - 5 hrs.	5.00			
Weed control (grasses) 50 lbs. CIPC Air application @ 5¢/lb.	12.50 2.50			
Insect control: 3 x - 120 lbs. Toxaphene @ 10¢ Air application @ \$2.50	12.00 7.50			
Misc. tractor work - ½ hr.	1.25			
Disc crop residue (post harvest) 2 x - 1 hr. man & tractor	2.50			
Office, car, operating capital, etc.	5.00			
County taxes: Land \$5.00, Equip, etc., \$0.75	5.75			
Repairs on equip. except tractor	1.00			
Total Pre-harvest cash and labor costs	143.08	14.3¢		
HARVESTING COSTS:				
Direct combining by custom operator @ 5¢/lb. clean seed	50.00			
Total harvesting costs	50.00	5.0¢		
TOTAL CASH AND LABOR COSTS	193.08	19.3¢		
DEPRECIATION:				
Tractor 7½ hrs. @ 60¢; Equip.-cost \$25-10 yr. life	6.85			
Irrig. system - cost \$80 - 17 yr. life	4.70			
Total Depreciation	11.55	1.2¢		
TOTAL CASH AND DEPRECIATION COSTS	204.63	20.5¢		
INTEREST ON INVESTMENT @ 6%:				
Tractor - 7½ hrs. @ 30¢	2.18			
Equipment - on ½ cost (12.50)	0.75			
Irrig. system - on ½ cost (40.00)	2.40			
Land at \$500 per acre	30.00			
Total interest cost	35.33	3.5¢		
TOTAL COST OF PRODUCTION	239.96	24.0¢		

PRODUCTION COST PER POUND AT VARYING YIELDS

Yield - Pounds per acre	800	900	1000	1100	1200	1300	1400
Cash and labor costs - ¢	22.9	20.9	19.3	18.0	16.9	16.0	15.2
Total cost per pound - ¢	28.7	26.1	24.0	22.3	20.8	19.6	18.6

(See other side for explanations)