

SAMPLE COSTS TO PRODUCE FRESH MARKET BROCCOLI IN MONTEREY COUNTY - 1980

By J.W. Huffman and E.A. Yeary

Yield: Based on 5.25 tons per acre (475-22 Lb Cartons)  
 Harvest: February through December  
 Plant: January through December

Total Labor Costs/Hr. 1/

				Cash Costs	Depreciation	Intrest
Class I Tractor Driver	8.58	80 h.p.	Crawler Diesel	13.00	4.89	2.67
Class II Tractor Driver	8.44					
Irrigator	7.39					
Other Labor	7.28	60 h.p.	Wheel Diesel	4.85	1.84	1.10

Operation	Tractor Used	Hours/Acre	Labor	Fuel Repairs	Contract & Materials	Total/Acre
<b>CULTURE</b>						
Cover Crop & Manure					Proportion to Broccoli	50.00
Sub Soil	C-80	.62	5.24	9.57		14.81
( $\frac{1}{2}$ Charge to Broccoli)						
Disc & Roll 3x	C-80	0.69	5.82	10.83		16.65
Chisel 2x	C-80	1.0	8.44	14.38		22.82
Level 2x	C-80	0.52	4.39	8.48		12.87
List & Preplant Fertilizer					Contract @ 7.00/Ac. 500# 13-13-13 @ \$60.50	67.50
Shape Beds & Roll	WD-60	0.25	2.11	1.28		3.39
Plant-4 Bed Planter	WD-60	0.5	4.22	3.40	11 oz.seed @ \$100.00/LB	76.43
Herbicide <u>2/</u>					Contract @ \$9.00/Ac. Materials \$16.80	25.80
Thin <u>3/</u>						
Irrigate 8x		12	88.64		2.5 Ac Ft @ \$24.00/ Ac. Ft. For Power, 4.00 Booster Pump	152.68
Fertilize 2x					Contract @ \$6.25/Ac. 190 #N @ .32/LB.	73.30
Cultivations 5x	WD-60	2.5	21.45	12.13		33.58
Pest Control 2x					Contract @ 7.00/Ac. Materials \$33.50	47.50
Hoe & Weed		8.0	58.24			58.24
Miscellaneous		4.0	31.38	8.27		39.65

CULTURAL COST 695.22

Overhead

Business Costs: Office & Business Expense, etc. @12% Cultural Costs 83.43  
 Taxes: Equipment, except tractors 5.00  
 Rent: \$400.00/Ac. 6 months to broccoli 200.00

OVERHEAD COSTS 288.43

HARVEST: 1.50 Per Carton-Cut & Houl 712.50  
 2.40 Per Carton-Pack, Carton & Sales Charge 1140.00  
1852.50

TOTAL CUTURAL, OVERHEAD AND HARVEST COSTS 2336.15

ANNUAL COSTS	Investment	Per Acre	Depreciation	Intrest - 12%	
50% charged to broccoli, tractors are on an hourly basis	Buildings	60.00	3.00	3.60	
	Irrig. System	300.00	30.00	18.00	
	Tractors	190.00	19.82	11.14	
	Equipment	150.00	15.00	9.00	
		<u>700.00</u>	<u>67.82</u>	<u>41.74</u>	<u>70.26</u>

6 Months (Except Tractors and Equipment) to Broccoli

TOTAL COST PER ACRE 2907.41  
 COST PER TON 553.75  
 COST PER CARTON 6.12

Management has not been included as a cost of production in this study

SAMPLE COSTS OF PRODUCTION AT VARYING YIELDS

YIELD - TONS PER ACRE	4.75	5.0	5.25	5.50	5.75
CULTURAL AND OVERHEAD COSTS	983.65	983.65	983.65	983.65	983.65
HARVEST COSTS	1677.00	1762.80	1852.50	1942.20	2028.00
ANNUAL COST	70.26	70.26	70.26	70.26	70.26
TOTAL COST PER ACRE	2730.91	2811.71	2906.41	2996.11	3081.91
COST PER TON	574.92	563.34	553.60	544.75	535.98
COST PER CARTON	6.35	6.23	6.12	6.12	6.12

- 1/ Labor costs per hour include fringe benefits paid by the farmer. FDI, social Security, workman's compensation, unemployment, health plan, vacation, holidays, and pension plan. (Growers cost may be greater for fringes if he includes book keeping, protective clothing, safety equipment, etc).
- 2/ For Herbicide Materials, rates, and application techniques, contact a pest control advisor or your local Agricultural Extension office.
- 3/ Depending on the germination percentage of the seed, climate and cultural conditions, broccoli may be planted to a stand, and not require thinning, during most of the year.