

SAMPLE COSTS TO PRODUCE FRESH MARKET BROCCOLI IN MONTEREY COUNTY - 1981

By S. D. Mendivil and E. A. Yeary

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

<u>Total Labor Costs/Hr.<sup>1/</sup></u>		<u>Hourly Tractor Costs</u>			
			<u>Cash Costs</u>	<u>Depreciation</u>	<u>Interest</u>
Cl. I Tractor Driver	9.32	80 h.p. Crawler Diesel	14.51	6.33	4.75
Cl. II Tractor Driver	9.11				
Irrigator	8.15				
Other Labor	8.02	60 h.p. Wheel Diesel	6.35	2.25	1.69

<u>Operation</u>	<u>Tractor Used</u>	<u>Hours/Acre</u>	<u>Labor</u>	<u>Fuel &amp; Repairs</u>	<u>Contract &amp; Materials</u>	<u>Total/Acre</u>
<u>CULTURAL</u>						
Cover Crop & Manure					Proportion to Broccoli	55.00
Sub Soil (1/2 Charge to Broccoli)	C-80	0.62	5.65	10.81		16.46
Disc & Roll 3x	C-80	0.69	6.29	12.24		18.53
Chisel 2x	C-80	1.0	9.11	16.17		25.28
Level 2x	C-80	0.52	4.74	9.61		14.35
List & Preplant Fertilizer					Contract @ \$8.00/ac 500# 12-12-12 @ \$54.00	62.00
Shape Beds & Roll	WD-60	0.25	2.28	1.84		4.12
Plant 4-Bed Planter	WD-60	0.5	4.56	4.45	1 lb. seed @\$135/lb.	144.01
Herbicide <sup>2/</sup>					Contract @ \$9.50/ac, materials \$18.80	28.30
Thin <sup>3/</sup>						
Irrigate 8x		12.0	97.80		2.5 ac. ft. @ \$36.00/ ac. ft. for power, \$4.00 booster pump	197.80
Fertilize 2x					Contract @ \$7.25/ac, 190# N @ \$0.44/lb	90.85
Cultivations 5x	WD-60	2.5	23.30	15.87		39.17
Pest Control					Contract @ \$8.25/ac, materials \$41.75	50.00
Hoe & Weed		8.0	64.16			64.16
Miscellaneous		4.0	34.26	8.27		42.53

CULTURAL COST 852.56

<u>OVERHEAD</u>						
Business Costs: Office & Business Expense, etc. @ 15% Cultural Costs						127.88
Taxes: Equipment, except tractors						5.00
Rent: \$500.00/ac, 6 months to broccoli						250.00

OVERHEAD COSTS 382.88

<u>HARVEST:</u> \$0.76 per Carton--Cut & Haul						361.00
\$2.68 per Carton--Pack, Carton & Sales Charge						1273.00
<b>Total Harvest Cost:</b>						<b>1634.00</b>

TOTAL CULTURAL, OVERHEAD AND HARVEST COSTS 2869.44

<u>ANNUAL COSTS</u>	<u>Investment</u>	<u>Per Acre</u>	<u>Depreciation</u>	<u>Interest-15%</u>	
50% charged to broccoli, tractors are on an hourly basis	Buildings	60.00	3.00	4.50	
	Irrig. System	300.00	30.00	22.50	
	Tractors	205.00	27.47	20.62	
	Equipment	200.00	20.00	15.00	
		<u>765.00</u>	<u>80.47</u>	<u>62.62</u>	113.09

6 Months (Except Tractors and Equipment) to Broccoli

SAMPLE COSTS OF PRODUCTION AT VARYING YIELDS

YIELD - TONS PER ACRE	<u>4.75</u>	<u>5.0</u>	<u>5.25</u>	<u>5.50</u>	<u>5.75</u>
CULTURAL AND OVERHEAD COSTS	1235.44	1235.44	1235.44	1235.44	1235.44
HARVEST COSTS	1485.50	1563.66	1641.83	1720.00	1798.20
ANNUAL COST	113.09	113.09	113.09	113.09	113.09
TOTAL COST PER ACRE	2834.03	2912.19	2990.36	3068.53	3146.73
COST PER TON	596.64	582.44	569.60	557.92	547.26
COST PER CARTON	6.56	6.41	6.28	6.14	6.02

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 bookkeeping, 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.