

SAMPLE COSTS TO PRODUCE BROCCOLI IN MONTEREY COUNTY - 1976

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

Yield: Based on 3 tons per acre
 Harvest: February through December
 Plant: January through December

	Total Labor Costs/Hr. ^{1/}	Hourly Tractor Costs			
			Cash Costs	Depreciation	Interest
Class I Tractor Driver	4.85	80 h.p. Crawler Diesel	7.06	3.13	2.34
Class II Tractor Driver	4.73	80 h.p. Wheel Diesel	3.44	1.63	.82
Other Labor	3.90	50 h.p. Wheel Diesel	2.26	1.12	.56

Operation	Tractor Used	Hours/Acre	Labor	Fuel & Repairs	Contract & Materials	Total/Acre
CULTURAL						
Cover Crop & Manure					Proportion to Broccoli	30.00
Disc & Roll 3x	C-80	0.69	3.26	4.87		8.13
Chisel 2x	C-80	1.0	4.73	7.06		11.79
Landplane 2x	C-80	0.52	2.46	3.67		6.13
List & Preplant Fertilizer					Contract @ \$4.50/Ac. 400# 13-13-13 @ \$26.00	30.50
Shape Beds & Roll	WD-50	0.25	1.18	0.57		1.75
Plant-4 Bed Planter	WD-50	0.5	2.37	1.13	10 oz. seed @ \$50.00/Lb.	34.75
Herbicide 2/					Contract @ \$6.05/Ac. Materials \$16.00	22.05
Thin 3/		16	62.40			62.40
Irrigate 8x		12	46.80		2.5 Ac Ft @ \$7.50/Ac Ft For Power, \$2.00 Booster Pump	67.55
Fertilize 2x					Contract @ \$3.75/Ac 192 #N @ .26/Lb.	56.70
Cultivations 5x	WD-50	2.0	9.46	4.52		13.98
Pest Control 2x					Contract @ \$4.55/Ac Materials \$30.00	39.10
Hoe & Weed		8.0	31.20			31.20
Miscellaneous		4.0	15.60	5.50		21.10
TOTAL CULTURAL COSTS						437.13
Overhead						
Business Costs: Office & Business Expense, etc, @ 7% Cultural Costs						29.70
Taxes: Equipment, except tractors						9.10
Repairs: Except trucks & tractors						12.00
Rent: \$225.00/Ac, 6 months to broccoli						112.50
TOTAL OVERHEAD COSTS						163.30
TOTAL CULTURAL AND OVERHEAD COSTS						600.43

ANNUAL COSTS	Investment	Per Acre	Depreciation	Interest - 8%	
50% charged to buildings to broccoli,	Buildings	50.00	2.50	2.00	
tractors are on an hourly basis	Irrig. System	90.00	9.00	3.60	
	Tractors	150.00	10.00	6.71	
	Equipment	100.00	10.00	4.00	
	Portable Irrig. Sys.	25.00	2.50	1.00	
		<u>415.00</u>	<u>34.00</u>	<u>17.31</u>	
6 Months (Except Tractors and Equipment) to Broccoli					41.01
TOTAL COST PER ACRE UP TO HARVEST ^{4/}					641.44
TOTAL COST PER TON					213.81

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

SAMPLE COSTS OF PRODUCTION AT VARYING YIELDS

<u>YIELD - TONS PER ACRE</u>	<u>2.0</u>	<u>2.5</u>	<u>3.0</u>	<u>3.5</u>	<u>4.0</u>
Cultural and Overhead Costs	600.43	600.43	600.43	600.43	600.43
Annual Costs	41.01	41.01	41.01	41.01	41.01
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TOTAL COST PER ACRE	641.44	641.44	641.44	641.44	641.44
COST PER TON	320.72	256.58	213.81	183.27	160.36

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.

2/ Herbicide: For broccoli weed control several combinations are used. The most common is Dacthal® and Tok®, a post planting pre-emergence mixture applied in 6 to 8 inch seedline bands following or at the time of planting. In some cases Dacthal is applied pre-emergence and Tok as a post emergence application. Treflan® and Tok are sometimes used in the fall to control fall and winter weeds. Treflan is incorporated into the bed prior to planting and Tok is applied post planting and pre-emergence. When groundsel is a problem, a post planting pre-emergence application of Tok and Vegedex® may be used.

For rates and application techniques, follow label instructions or contact your local Agricultural Extension office.

3/ Depending on the germination percentage of the seed, climatic and cultural conditions, broccoli may be planted to a stand, and not require thinning, during certain periods of the year.

4/ Harvest by processor or shipper.