

Watermelon Budget

Estimated Costs & Returns, Per Acre Basis (1995)

Item	Unit	Quantity	Price	Total	Your Farm
Yield/Receipts:					
Farm Sales	Ton	9	200.00	1,800.00	
Other Sales	Ton	9	100.00	900.00	
Total Receipts		18		2,700.00	
Purchases:					
Nitrogen	Lbs	150	0.32	48.00	
Phosphate	Lbs	75	0.25	18.75	
Herbicide, Treflan	Lbs	0.5	10.20	5.10	
Herbicide, Roundup	Lbs	1.5	25.50	38.25	
Seed	Lbs	1.5	10.00	15.00	
Water Assessment	Year	1	10.00	10.00	
Total Purchases				135.10	

Operations:	Times	Machine Costs		Hired Labor	
		Fixed	Operating		
Plow	1	16.22	9.42	3.45	29.09
Disk & Harrow	1	10.49	3.21	1.15	14.85
Fertilizer Application	1	5.42	1.05	0.35	6.82
Herbicide Application	1	2.21	0.81	0.46	3.48
Harrow	1	1.88	1.23	0.69	3.80
Plant	1	22.57	4.43	1.73	28.73
Furrow & Cultivate	3	11.34	3.61	2.30	29.07
Hand hoeing/weeding	2			35.00	70.00
Irrigation	7	2.91	0.17	2.67	22.79
Picking/hauling	4	Custom	45.00		180.00
Hauling to market	100 miles @ \$0.27/mile				27.00
Bins (600 Lb)	20 @ \$10.00				200.00
Marketing & Advertising	1			210.00	210.00
Operating Interest	270.69 @ 10% for 6 months				13.53
Total Operating Costs					839.16
Total Listed Costs					974.26

Return to Family Labor, Management, and Land 1,725.74
Breakeven Price to Cover Total Listed Costs (/ton) 54.13

Assumptions:

Chemical rates/prices on an active ingredient basis
Machine labor cost per hour, including benefits – \$7.50

Budget prepared by Dan Drost and Larry K. Bond