

SUPPLY CHAIN COST STRUCTURE AND TRAVEL TIME

REGION 02

COMMODITY: Eggplant

AVERAGE YIELD PER HA. (kgs): 18,400

FARMGATE PRICE (P/K): 10.00

DESTINATION: Metro Manila

As of July 12, 2007

COST ELEMENTS	Unit	Quantity	Unit Price	Value	COST/ KILO P/K	% vs Customer Level price
PRODUCTION						
Material Inputs						
Seeds	cans	4.0	600	2,400	0.13	
Fertilizer						
14-14-14	bags	5.0	700	3,500	0.19	
46-0-0	bags	5.0	940	4,700	0.26	
Foliar	pack	13.5	130	1,755	0.10	
Pesticides						
Decis 2.5 EC	liter	1.0	1,340	1,340	0.07	
Lannate 425g/pack	box	4.5	550	2,475	0.13	
Selecron	liter	1.0	1,500	1,500	0.08	
Benlate 250grams/box	box	1.0	260	260	0.01	
Labor						
Seedbed preparation	mad	1.0	300	300	0.02	
Seed sowing	md	1.3	150	188	0.010	
Care of seedlings	md	7.0	150	1,050	0.06	
Land Preparation	mm			3,000	0.16	
Furrowing	mad	2.5	300	750	0.04	
Fertilizer application	md	17.0	150	2,550	0.14	
Transplanting	md	17.0	150	2,550	0.14	
Watering/Irrigation	md	10.0	150	1,500	0.08	
Replanting	md	1.0	150	150	0.01	
Off-barring	mad	2.5	300	750	0.04	
Hilling-up	mad	2.5	300	750	0.04	
Weeding	md	25.0	150	3,750	0.20	
Spraying	md	32.5	150	4,875	0.26	
Harvesting	md	60.0	150	9,000	0.49	
Hauling -inputs	bags	10.0	7.0	70	0.004	
Interest Expense				3,922	0.21	
Production loss (5%)				9,200	0.50	
PRODUCTION LEVEL					3.39	11.28%
POST-PRODUCTION						
Plastic bag	pcs	613	5	3,067	0.17	
Postharvest losses (2.5%)				4,370	0.24	
POST-PRODUCTION LEVEL					0.40	1.35%
TOTAL PRODUCTION COST					3.79	12.63%
FARMGATE PRICE					10.00	
MARGIN					6.21	
DISTRIBUTION (LEVEL 1)						
Hauling/Transport to NVAT	kilos	18,400	1.00	18,400	1.00	
PRICE PAID BY TRADER 2 to TRADER 1					12.00	
MARGIN					1.00	
WHOLESALE PRICE NVAT					13.00	
MARGIN					12.00	
DISTRIBUTION (LEVEL 2)						
Hauling/Transport	kilos	18,400	1.40	25,760	1.40	
Postharvest losses (2.5%)				4,261	0.23	
DISTRIBUTION LEVEL					14.63	48.77%

PRICE PAID BY BUYER in MLA to TRADER 2					15.63	52.11%
RETAILERS'S MARGIN					14.37	47.89%
CUSTOMER LEVEL					30.00	100.00%

Assumptions:

Postharvest losses (Source: DA C.O-HVCC)

- production 10%
- postproduction 2.5%
- distribution 2.5%

		18,400
5%	920	17,480
		17,480
2.50%	437	17,043
		17,043
2.50%	426	16,617