COSTING OF GULVA JAM

By

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1978



INTRODUCTION:

100kg of guava fruits costing (50.00 were received from Crops Rosearch Institute, Bunsu through kr Halloway, S.R.O. The fruits were washed and weighed. The seeds were removed from the fruits and the pulp pulverised in a contribute and the pulp pulverised in a contribute and the pulp was weighed and received and jain batches.

METHOD:

A weighed amount of sugar was cased to the prepared fruit to bring the level of sugar to 15%. The proparation was boiled till the percentage of soluble solids rose to 60%. In weighed amount of pectin was added to the jam. The boiling was continued till the percentage osciuble solids reached 68.5%. A weighed amount of citric acid was added to the jam to bring the ph to 3.0. The jan was preserved by the addition of 300 p.p.m. of sorbic acid and filled hot into starilized jars.

Costing carelysis of the product was carried out to determine the solo price of a bottle of guava jam. However, the product was sold at the gross cost per bottle to members of staff to recover the cost of the materials. The money realised was paid into the Research Income Fund. Enough sample valued at the sale price were given to C.R.I. Bunsu, through Mr. Halloway to cover the cost of the 100kg of guava fruits. A few samples were given to selected staff for sensory evaluation.

COSTERG ANALYSIS

Production Cost		Qty Used	Unit Cost(per kg)	Total Cost
1.	Guava fruits	100kg	¢0.50	¢50.00
ii.	Sugar	40.0kg	¢1.60	£64.00
iii.	Pectin	1.0kg	¢18.96	¢18.96
iv.	Citric acid	0.5kg	\$ 8.06	£4.03
v.	Sorbic acid	0.015kg	¢11.66 .	£0.18
iv.	Jam bottles	100	¢0.60	£60.00
		, *	% · •	¢197.17
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Overhead Cost			Unit Cost	
1.	Labour		3.	
a)	S.T.A. (2	+ man	hrs)	£24.00
b)	T.A. (1	+ man	hrs)	£2.50
2.	Utilities	3		£2.00
3.	Depreciat	tion		Ø1.20

Batch Cost Analysis

Production Cost		Qty Used	Value
1.	Prepared guava	7.0 kg	\$3.50
2.	Sugar	6.5 kg	£10.40
3.	Pectin (1%)	0.12 kg	¢2.28
4.	Citric acid	0.1kg	¢0.81
5.	Scrbic acid (300 p.p.m.)	0,004 kg	£0. 05
1	Total		£17.03
6.	Bottling	20	£12.0
0ve	rhead	Value	
1.	Labour	¢6.50	
2.	Utilities	1200	
3.	Depreciation	£1.20	
	Total	\$9.70	

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• • Gross cost (Prod. + overhead)	= £26.73
Yield	
Batch	
Total wt. of material used	= 12.62kg
Yield of product	= 10.02kg
• Water loss during boiling	= 2.6kg
Yield of product	
Value/kg	= £2.67
Value of marketing product (0.5kg)	= \$1.34
Cost of bottle	= \$0.60
Total cost per bottle	= \$1.94
Profit - 25% Total Cost	= \$0.50
. Sale price	= £2.48 =£2.50
Sales	
Yield of Product/Batch	= 10.02kg
Quantity filled into bottle	= 0.5kg
No of bottle/batch	= 20
Selling price to FRI staff	= \$2.00 per bottle
. Total value of product/batch	= £40.00
No. of batches processed = 5	
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• • Overall yield = £ 200.00	
Amount given to CRI per Mr. Halloway to cover cost of	guava
No. of bottles = 20	
Sale price = £2.50	
Equivalent in cash = $\cancel{E}50.00$	

Amount paid into Research Income Fund = \$\mathbb{Z}\$ 138.00 (69 bottles)

No. of bottles given to selected staff including staff

working on the project for evaluation = 11

CONCLUSION

The sale price of guava jam is \$2.50. However, this is subject to the price of materials at the time of production.