

Value added products from Figs

INTRODUCTION

Figs can be consumed as Jam for bread spread. It can also be used for the preparation of mixed fruit jam; fig squash can be used as a beverage after dilution with water in 1:3 ratio; Fig ready to serve beverage can be used as a thirst quencher.

Mature fig fruits with bright colour and characteristic flavour will be used for the preparation of different processed products.

RAW MATERIAL

Mature fig fruits, Cane sugar, Citric acid, Pectin, Preservative etc.

PROCESS

Fig fruits → Washing → Sorting → Crushing → Pulping
Addition of preservation, flavour & colour → Boiling → Sealing → Storing

PLANT AND MACHINERY

Principal equipments: Fruit washer, Fruit pulper, Fruit mill, SS steam jacketed kettle, Boiler, Sealing equipment, Refractometer, Bottle washing machine, Hot air drier etc.

Auxiliary equipment: Preparation tables, Trolleys, Weighing machine, Holding vessels and miscellaneous items.

PROJECT COST – FIXED COST – WORKING CAPITAL (in Rs. '000) (Estimate for a model project)

a) Land & Land development (600 m ²)	200.00
b) Building and civil works (280 m ²)	900.00
c) Plant and machinery	1500.00
d) Miscellaneous fixed assets	230.00
e) Pre-operative expenses	350.00

Total fixed capital	3180.00
Working capital margin	200.00
Total Project cost	3380.00
Total working capital required at 15% of turnover	520.00

Means of finance	
- Promoters contribution	800. 45
- Term loan	2500 .35

PRODUCTION CAPACITY - (estimate)

Suggested economic capacity: 250Kg /day
Working : 1 shifts/day, 300 working days/year
Capacity : 75 tones/ annum
Optimum utilization capacity: 70%

TECHNOLOGY/MANUFACTURING PROCESS – Availability

The technology for the manufacture of Value added products from figs developed at CFTRI, Mysore, using appropriate equipment for optimal product recovery of right quality. The CFTRI has the necessary expertise to provide technical assistance and guidance for setting up the project. The CFTRI can offer further technical assistance for project implementation under technical consultancy arrangements.