

PROJECT PROFILES



PRODUCTS DERIVED
FROM
MORINGA OLEIFERA

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MORINGA TEA

INTRODUCTION

The moringa tea production business involves processing fresh moringa leaves into dried, finely cut, and packaged tea products. Moringa tea is known for its high nutritional value and numerous health benefits, including being rich in antioxidants and vitamins. This venture harnesses the abundant supply of moringa oleifera in Katsina State, creating a unique, health-conscious product for local and regional markets..

MARKETING POTENTIAL

The demand for herbal and wellness teas has been steadily increasing, both within Nigeria and globally. In Katsina and neighbouring states, there is a growing health-conscious demographic that seeks natural and nutritious beverage options. Moringa tea is popular for its immune-boosting and anti-inflammatory properties, making it attractive to consumers looking for alternative, healthier teas. The potential market includes local supermarkets, health stores, and tea vendors, offering excellent prospects for growth and market penetration.

BASIS & PRESUMPTIONS

- Production capacity: 10,000 tea packets per month.
- Equipment includes leaf dryers, grinders, and packaging machines.
- Moringa supply from local farmers is abundant and consistent.
- Compliance with food safety regulations.
- Focused on the local and regional health-conscious market.

IMPLEMENTATION SCHEDULE

Milestone	Duration (Weeks)
Business registration	2
Regulatory approvals	3
Procurement of equipment	6
Setup of production facility	4
Recruitment and training	3
Production trials	2
Market Launch	1

MORINGA TEA

MANUFACTURING PROCESS

The production of moringa tea starts with harvesting fresh moringa leaves, which are immediately washed to remove any dust or impurities. The cleaned leaves are laid out evenly in a specialized drying area or passed through mechanical dryers, ensuring they dry evenly without losing their nutrient content. Once the leaves are dried, they are ground to the desired size using a grinder that preserves their natural colour and properties. The processed tea leaves are sifted to remove any larger particles. The tea is then weighed and filled into tea bags or loose-leaf packages using semi-automated packaging machines. Each packet is sealed to preserve freshness and prevent contamination. Finally, the labeled products are boxed and stored in a cool, dry place, ready for distribution to retailers and consumers.

PRODUCTION CAPACITY

Annual Quantity	12,000 Boxes of 25 Tea bags each
Value	66,000,000.00 NGN (based on 5,500 NGN per packet as selling price)

FINANCIAL ASPECTS

Fixed Capital

Item Description	Cost (NGN)
Facility (rental/setup)	3,000,000.00
Leaf dryer	3,000,000.00
Grinder	2,500,000.00
Packaging Machine	2,000,000.00
Storage Containers	500,000.00
Labeling Machine	1,500,000.00
Quality Control Equipment	1,000,000.00
Miscellaneous tools	500,000.00
Total Fixed Capital	14,000,000.00

MORINGA TEA

Workers' Salaries

Position (w/ population)	Monthly Cost (₦)
Machine Operators (2)	140,000.00
Quality Control Staff (1)	75,000.00
Security Guard	70,000.00
Total Salaries	285,000.00

Raw Materials (per month)

Material	Rate (₦)	Total Cost (₦)
Moringa Leaves (333kg)	3,600.00	1,198,800.00
Packaging Materials (Bags + Boxes + Labels)	500,000.00	500,000.00
Total Raw Materials		1,698,800.00

Utilities (per month)

Utility	Rate (NGN)	Cost (NGN)
Electricity (1500kWh)	210.00	315,000.00
Diesel (100L)	1,200.00	120,000.00
Total Utilities		435,000.00

MORINGA TEA

Other Expenses (per month)

Expense	Cost (NGN)
Marketing and distribution	150,000.00
Maintenance	150,000.00
Miscellaneous	50,000.00
Total Other Expenses	350,000.00

Total Recurring Expenses

Expense	Cost (NGN)
Workers' Salaries	285,000.00
Raw Materials	1,698,800.00
Utilities	435,000.00
Other Expenses	350,000.00
Total (per month)	2,768,800.00
Total (per annum)	33,225,600.00

Revenue

Item	Quantity	Rate (NGN)	Cost (NGN)
Moringa Tea	12,000 boxes	5,500.00	66,000,000.00

Net Profit (before tax)

Total Recurrent Expenses	33,225,600.00 NGN
Revenue	66,000,000.00 NGN
Net Profit	32,774,400.00 NGN

MORINGA TEA

CONCLUSION

The moringa tea production project is a profitable and sustainable small-scale business that leverages the abundant supply of moringa leaves in Katsina State to create a value-added product with significant market appeal. With its numerous health benefits, including being rich in antioxidants, vitamins, and minerals, moringa tea caters to the growing demand for natural, caffeine-free beverages. By adhering to stringent production standards and maintaining quality, this business can build consumer trust and achieve a strong foothold in local and regional markets.

The simplicity of the production process, combined with the increasing popularity of wellness teas, positions the project for long-term success. With efficient marketing strategies, including partnerships with retailers, health stores, and online platforms, the business can attract a broad customer base ranging from health-conscious individuals to cafes and supermarkets. The project also provides opportunities for job creation and supports local farmers, fostering economic growth within the region.

MORINGA SEED OIL

INTRODUCTION

The medium-scale moringa oil extraction unit will produce refined moringa oil, known for its diverse applications in the cosmetic, pharmaceutical, and food industries. Moringa oil, or ben oil, is highly valued for its stability and high concentration of beneficial fatty acids. Establishing an extraction unit in Katsina State takes advantage of the abundant supply of moringa seeds and caters to local and international demand for quality oil.

MARKET POTENTIAL

Moringa oil is sought after for its anti-aging, moisturizing, and anti-inflammatory properties. The demand for natural oils is on the rise, driven by the cosmetic and health product sectors in Nigeria and abroad. With an expanding interest in natural and organic products, this oil has considerable market appeal. The unit can supply oil to cosmetics manufacturers, health supplement companies, and retail markets, ensuring a consistent demand base.

BASIS & PRESUMPTIONS

- Production capacity of 50,000 liters per year.
- Locally sourced moringa seeds for cost-effective raw material procurement.
- Automated extraction and refining machinery to maintain product consistency.

IMPLEMENTATION SCHEDULE

Milestone	Duration (Weeks)
Business registration	2
Regulatory approvals	3
Procurement of equipment	3
Setup of production facility	3
Procurement of raw materials	2
Recruitment and training	3
Production trials	2
Market Launch	1

MORINGA SEED OIL

MANUFACTURING PROCESS

The process begins with sourcing moringa seeds, which are cleaned to remove any foreign materials. The cleaned seeds are fed into a mechanical seed crusher that breaks them into smaller fragments. The crushed seeds are then passed through an oil extractor, which uses a cold-press method to ensure high-quality oil extraction without the use of heat, preserving nutrients and antioxidants. The crude oil is collected and passed through a filtration system to remove impurities, resulting in a clearer product. The filtered oil is then transferred to storage tanks for settling before final quality testing. Once approved, the oil is packaged into bottles using an automated bottling line and sealed to maintain purity. Labels are affixed to the bottles, which are then boxed and prepared for distribution.

PRODUCTION CAPACITY

Annual Quantity	50,000 liters
Value	1,000,000,000.00 NGN (based on 20,000 NGN per liter as selling price)

FINANCIAL ASPECTS

Fixed Capital

Item Description	Cost (NGN)
Facility (rental/setup)	10,000,000.00
Soybean cleaning and dehulling machine	8,000,000.00
Oil extraction press	20,000,000.00
Refining and filtering unit	15,000,000.00
Bottling and labeling machine	10,000,000.00
Storage tanks for oil	5,000,000.00
Packaging equipment	3,000,000.00
Miscellaneous tools	2,000,000.00
80kVA diesel generator	18,000,000.00
Total Fixed Capital	91,000,000.00

MORINGA SEED OIL

Workers' Salaries

Position (w/ population)	Monthly Cost (NGN)
Manager (1)	300,000.00
Accountant (1)	250,000.00
Supervisor (1)	150,000.00
Machine Operators (3)	300,000.00
Quality Control Staff (2)	240,000.00
Unskilled Worker (3)	210,000.00
Engineer (2)	400,000.00
Security Guard (2)	140,000.00
Total Salaries (per month)	1,850,000.00

Raw Materials (per month)

Material	Rate (NGN)	Total Cost (NGN)
Soyabeans (10,500kg)	5,500.00	57,750,000.00
Packaging materials	3,000,000.00	3,000,000.00
Additives and Chemicals	800,000.00	800,000.00
Total Raw Materials		61,550,000.00

MORINGA SEED OIL

Utilities (per month)

Utility	Rate (NGN)	Cost (NGN)
Electricity (2500kWh)	210.00	525,000.00
Diesel (1800L)	1,200.00	2,160,000.00
Total Utilities		2,685,000.00

Other Expenses (per month)

Expense	Cost (NGN)
Marketing and distribution	500,000.00
Maintenance	250,000.00
Miscellaneous	350,000.00
Total Other Expenses	1,050,000.00

Total Recurrent Expenses

Expense	Cost (NGN)
Workers' Salaries	1,850,000.00
Raw Materials	61,550,000.00
Utilities	2,685,000.00
Other Expenses	1,050,000.00
Total (per month)	67,135,000.00
Total (per annum)	805,620,000.00

MORINGA SEED OIL

Revenue

Item	Quantity	Rate (NGN)	Cost (NGN)
Moringa Oil	50,000 Liters	25,000.00	1,250,000,000.00
Total Revenue			1,250,000,000.00

Net Profit (before tax)

Total Recurrent Expenses	805,620,000.00 NGN
Revenue	1,250,000,000.00 NGN
Net Profit	444,380,000.00 NGN

CONCLUSION

The moringa seed oil production project is a high-potential medium-scale business that addresses the growing global demand for natural, multipurpose oils used in the cosmetic, pharmaceutical, and food industries. Moringa oil, known for its exceptional stability and nutritional benefits, is a premium product with diverse applications, making it an attractive option for both domestic and export markets. The abundant supply of moringa seeds in Katsina State ensures a reliable and cost-effective source of raw materials, while modern processing techniques guarantee a high-quality final product.

This project not only generates substantial profit margins but also supports local farmers and creates employment opportunities across various stages of the value chain. By focusing on quality control and meeting international standards, the business is well-positioned to compete in global markets and build long-term customer relationships. Additionally, the by-products of the oil extraction process, such as moringa seed cake, can be utilized as organic fertilizer or livestock feed, adding further value and diversifying revenue streams.