



# SRC's Role Product Development and Commercialisation

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# Scientific Research Council

- Supports growth and development of Agro-industrial Sector in Jamaica
  - Research & Development
  - Adaptation of Available Technologies
- Training, Technical Assistance
- Popularize Science and Technology



# Scientific Research Council

- Development of Value-Added Products from natural resources
- Aim – to create wealth for the nation
- Focus – Jamaica's rich biodiversity ....5<sup>th</sup> largest in the world
- Value-added products are commercialised through entrepreneurs and SMEs

# Commercialization

- Commercialization is no longer for own private use or to share with your neighbours and friends
- It is making the product available for public consumption

# Commercialization

- For commercialization to be successful the product must be:
  - Available
  - Consistent
  - Manufactured under Good Manufacturing Practices
  - Safe – non toxic
  - Must be effective

# Available

- Product cannot be available today and not tomorrow
- Raw material – ensure consistent supply
- Seasonal raw materials can be converted into value added products that can last from season to season
- SRC's Solution: Tissue Culture Technology
  - This is a process by which you can get large volume of clean disease free planting material that will be produce off shoots of the same quality

# Consistent

- In order to produce a product with consistent quality, **Standardization** is required
  - That is, the quality must be the same all the time
  - The process of standardization will be different based on the type of product, however, the end result is the same ....a consistent product and a happy satisfied customer

# Consistent

- Some products SRC have standardised are:
  - Teas, beverages, personal care items, tonic, snacks
- Activities involved in standardising a tea will differ from that of beverages
- Example teas – what is the end result – for experience, therapeutic, quick hot drink
- To prevent someone from copying your idea you probably want to do a blend



# Consistent

- SRC provides support in:
  - Product development
  - Product Standardization/improvement
  - Provision of scientific data (formulation document)
  - Various Tests:
    - anti-oxidant e.g. claim of anti-aging for your personal care product we can check to substantiate your claim
    - Anti-microbial, anti-fungal, anti-inflammatory,
    - Flavonoids Potency relevant for herbal products which claim to have aphrodisiac properties
  - Advise on pre-production activities such as collection and storage

# Consistent

- Advise on pre-production activities such as collection and storage
- Certificate of Analysis (CoA)
  - Very important especially for those exporting intermediary products; provides a competitive advantage; validates ingredient claims. It provides information on the quality of the product based on the analyses that have been conducted
    - A very popular product is Castor Oil/Yam Flour

# Consistent

- **Nutrition Fact Panel**
  - Can do nutrition profile as well as check for micro-nutrients
  - Micro-nutrients are very important when dealing with functional foods. These are values that will improve your health

# Safety

- Important to ensure product safety
  - GMP
  - HACCP

# Recent Product Development

## *Various stages of development*

- A number of Sweet Potato value added products
- Flavoured Water
- Natural Juices (Fruit, Vegetable, roots)
- Minimally Processed Foods
- Special Seasonings & Table Sauces
- (Specialty Salad Dressings)
- Pepper jelly

# Possible Yam Value-Added Products

- Yam Flour
- Minimally processed
- Yam Porridge Mix
- Yam Punch

# POSSIBLE PRODUCTS

- Beverages
  - Fruit Drinks e.g. Cherry
- Sauces
- Products for Health Shops and Export Market
- Candles
- Soaps

# SRC Adding Value to your Products

- Market/Price Surveys
- Nutritional Labelling
- Shelf-Life Studies
- Sensory Evaluation
- Good Manufacturing Practices
- Certificate of Analysis
- Training



# SRC Serving You

Let us work with you to impact your bottom-line and  
create sustainable developments

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**THANK YOU !!**

