Linking Agriculture And Nutrition to Improve Health in CARICOM Populations

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Prevalence of Overweight and Obesity in the Caribbean in > 30 years old

Source: J. R. Deep Ford 2013; FAO
• Improve nutrition & health outcomes of CARICOM populations through availability of foods that would increase intake of vegetables & fruits, decrease caloric intake, and increase micronutrient intake;

• Develop food production systems based on agricultural diversification, water conservation & efficient use of land;

• Build and test a Farm to Fork Model for CARICOM food and nutrition security;

• Expand and build human and institutional capacity to solve problems of food and nutrition insecurity in CARICOM;

• Understand constraints to, and accelerate the rate of technology adoption by small farmers;

• Adapt international standards of food safety and quality for a healthy, market-oriented food supply chain;
From Farm to Fork: Impact pathway

**Socio-Economic Studies**
- Consumer and Farmer Household Surveys
- Focus groups on innovation & technology adoption

**Water and Land Resources**
- Drip Irrigation, Water and Soil Conservation
- Protected Agriculture
- Open Field Crop Diversification
- Silage conservation for Small Ruminants

**Environmental Management**

**Market access**
- Post-Harvest Loss Management
- Food Safety and Quality

**Gender Consideration**

**Community Nutrition and Health**
- Improving the quality of School Meals
- Nutrition Education
- Consumer food choices

Policy Changes for Sustained Food Security in CARICOM

…and beyond

To Fork
Collective action
Innovation
Technology adoption
Social capital
Policy

School Feeding for Child Nutrition and Health

Social Science
- Collective action
- Innovation

Produce Procurement from Small Farmers

Social Science
- Technology adoption

Agricultural Technology for Food Production

Farm to Fork Model for CARICOM Food & Nutrition Security
CONCEPTUAL FRAME FOR AGRICULTURAL DEVELOPMENT AND FOOD & NUTRITION SECURITY

- Steady supply of nutritious produce
- Institutional support & Food procurement policy
- Food safety inspection
- Curtailment of sugary drinks & school vendors
- Training of personnel
- Record keeping

Input:

- School Feeding & Market Development

Outcomes:

- Community food & nutrition security
- School menu cost efficiency
- Improved farmer livelihood
- Community health & development
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Project websites: https://www.caricomfoodsecurity.com
https://www.mcgill.ca/globalfoodsecurity/research-initiatives/caricom-project
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