PROJECT SUMMARY

Ref No.: MRIC/SISM-02/BG-07	**Title:** Development of a climate-smart innovative local biopesticide
Local Institution: University of Mauritius	
Collaborating institutions: Maugreen Aquaponics Co. Ltd, Namibia University, Agricultural Research Council, South Africa	
Project Leader	
Mr Shane Hardowar	University of Mauritius
Research Collaborators	
Name	**Organisation**
Mr Nitish Rambaruth	Maugreen Aquaponics Co. Ltd
Dr Theopoline Itenge Omagano Ashutendje	Namibia University
Dr Grace Tefu	Agricultural Research Council, South Africa

TECHNICAL ABSTRACT

A new climate-smart innovative biopesticide is being investigated for commercial production. It will be the first locally made biopesticide in Mauritius. Current pesticides contain harsh chemicals. Bio-liquid soap is a biodegradable natural product which is made from plant- based oils like canola, coconut, neem and with additional herbs extract like ferns, rosemary, gingko as well as seaweed extract. Seaweed extract has very good biopesticidal properties. Seaweed and plant-based products are renewable, readily bio-degradable, sustainable, and safe for the environment. A new local product in the form of a new liquid bio-product (used as a wetting agent) will be produced. Collaboration with external Institutions is sought. Both South Africa and Mauritius will exploit export avenues. Namibia University and Agricultural Research Council, South Africa will collaborate on the project. Mr Clifford Dove, Managing Director, Roger Fayd'Herbe Co. Ltd has expressed interest to support our team given that it is very promising and innovative and will be roped in after the project and will be involved only in the sales and marketing of the product.

Key Words: Biopesticides, seaweed extract, bio-liquid soap, sustainable system of production