



Food and Agriculture Organization  
of the United Nations



THE UNIVERSITY OF THE WEST INDIES  
ORIENTS EX OCCIDENTE LUX

# THE QUEST TO PHASE OUT HHPS: **THE CARIBBEAN EXPERIENCE**

Thursday, 29 July 2021

Presenter: Trecia David-Garnath

*Chairperson of the Coordinating Group of Pesticides Control Boards of the Caribbean (CGPC) and  
Registrar, Guyana Pesticides and Toxic Chemicals Control Board*



# BACKGROUND

The Coordinating Group of Pesticides Control Boards of the Caribbean (CGPC)

The CGPC is comprised of representatives from the Pesticides and Toxic Chemicals Boards or Pesticide Regulatory Authorities of the countries of the Caribbean, and associate members representing other stakeholders. It was formed in 1987. Members of the CGPC are: Anguilla, Antigua and Barbuda, The Bahamas, Barbados, Belize, British Virgin Islands, Dominica, Grenada, Guyana, Haiti, Jamaica, Montserrat, St. Kitts/Nevis, Saint Lucia, St. Vincent & the Grenadines, Suriname and Trinidad & Tobago.

## Mission:

*“To promote sustainable agriculture and to protect human health and the environment through effective management of pesticides and toxic chemicals in the Caribbean.”*

## Objectives:

Improve regional coordination and communication

Develop and implement policies and initiatives for chemicals in a lifecycle approach

Build technical capacity for chemicals management in all member states

Support and strengthen the implementation of BRS in region



# FAO-GEF CARIBBEAN PESTICIDES MANAGEMENT PROJECT

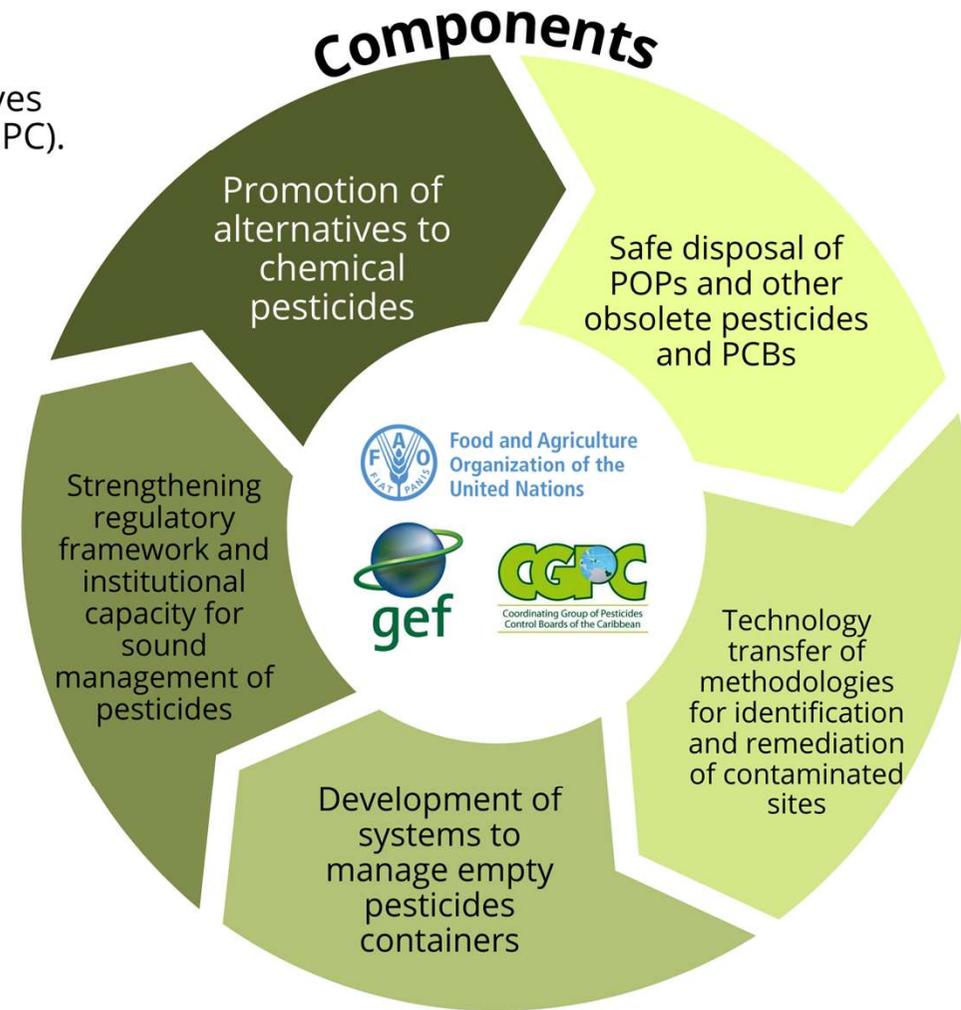
## Regional Project:

“Disposal of Obsolete Pesticides including POPs, Promotion of Alternatives and Strengthening Pesticides Management in the Caribbean” (FAO & CGPC).

**Implementation:** 2015-2021

## Beneficiary and executing partners:

11 member countries of the CGPC



# THE USE OF HHPS IN THE CARIBBEAN AND THEIR IMPACT

Between 2010 to 2013 the region was introduced to the concept of HHPs and has started to address them, especially with the implementation of the GEF-funded FAO Project. Some of the issues identified with HHPs in the region include:

Lack of empirical data on the health impacts of pesticides & its use

Lack of guidelines / toolkit / capacity for identification of HHPs used in the region

Lack of information and availability of alternatives developed/field tested for pests under local agricultural settings

Though general guidelines available for pest management, lack of crop/pest specific IPM practices for effective management of pests



A person wearing a full-body protective suit, a cap, and a face mask is walking through a field of tall green rice plants. They are carrying a large white tank on their back and holding a long spray wand that emits a fine mist of white liquid. The background shows a vast green field under a hazy sky.

# THE QUEST

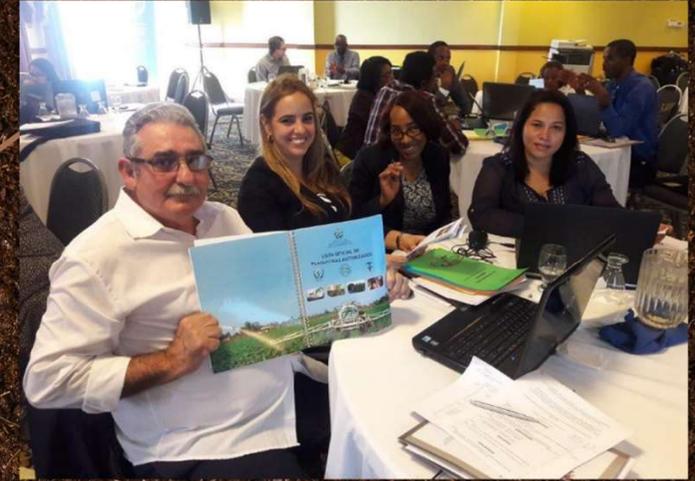
WHAT WE HAVE DONE THUS FAR



Repackaged and exported **320** tonnes of obsolete pesticide stocks for environmentally sound disposal



Conducted training in the Region on the FAO Pesticide Registration Toolkit for **41** Registrars and technicians



Field testing of alternatives to HHPs were conducted



Conducted farmer/student field days

Food and Agriculture Organization of the United Nations

PESTICIDE ACTION NETWORK UK

**A CONSULTATION ON NEXT STEPS FOR PESTICIDE RISK REDUCTION IN THE CARIBBEAN**

YOU'RE INVITED...

**INTEGRATED CROP MANAGEMENT & PESTICIDE RISK REDUCTION WEBINAR**

17th - 18th August 2020  
10 AM - 11:30 AM  
via Zoom

Click to Join:  
<https://fao.zoom.us/j/91870812749>  
Meeting ID: 918 7081 2749  
Passcode: 173807

**DAY 1:**  
Welcome and Introduction  
The Role of IPM in Pesticide Risk Reduction  
Integrated Pest Management: The Way Forward  
Promote Safe & Effective Use of Pesticides  
The Role of ICA in The Region  
Shorena Lightbourne, IICA

**DAY 2:**  
High Hazardous Pesticides (HHPs)  
Guy Mathurin, FAO  
Safe Alternatives to HHPs  
Dr. Stephanie Williamson, FAO  
Alternatives to HHPs in Vegetable Crops  
Dr. Doreen Sarver-Ramcharan, IICA  
Alternatives to HHPs in Vegetable Crops  
Dr. Doreen Sarver-Ramcharan, IICA  
The Role of ICA in The Region  
Shorena Lightbourne, IICA

**PROGRAMME**

**PROMOTION OF ALTERNATIVES TO HIGHLY HAZARDOUS PESTICIDES**

**VIRTUAL STAKEHOLDERS ENGAGEMENT WORKSHOP**  
Tuesday, 4 May 2021  
9 am (Jamaica Time) / 10 am (EC Time)  
Zoom  
Meeting ID: 808 8088 9528  
Passcode: 95289488

Created awareness and built capacity through regional Webinars/ Workshops on IPM

More field testing of Alternatives



Identified the **Top 10 HHPs** of concern in the region by Active Ingredient

**Paraquat • Glyphosate • Diazinon • Carbendazim • Malathion • Carbaryl • 2,4-D • Mancozeb • Chlorpyrifos • Oxamyl**



Field tested Phone Health App to collect information on pesticide use and acute poisoning incidents



HHPs draft national and regional Risk Reduction Plans



Integrated Pest, Weed and Disease and Management Guidelines developed for select major fruit and vegetable crops



## Caribbean HHP Risk Reduction Plan

by

PAN-UK for UN FAO

For the provision of

“Services towards the project GCP/SLC/204/GFF entitled “Disposal of Obsolete Pesticides including POPs, Promotion of Alternatives and Strengthening Pesticides Management in the Caribbean”

### Contents

Caribbean HHP Risk Reduction Plan

Background

Introduction

Six Regional Priorities

Twelve National Priorities

Implementing the six regional priorities – supporting information.

Implementing the twelve national priorities – supporting information.

References.

### Examples of guidelines being developed:

*Guidance on IPM alternatives to selected uses of Caribbean Priority HHPs:*

**Use 3. Integrated Pest Management alternatives to HHP insecticides for aphids and defoliating lepidopteran pests in brassicas and leafy vegetables**

*Guidance on IPM alternatives to selected uses of Caribbean Priority HHPs:*

**Use 6. Integrated Pest Management alternatives to HHPs for key domestic pests**

*Guidance on IPM alternatives to selected uses of Caribbean Priority HHPs:*

**Use 1c. Integrated Weed Management alternatives to HHP herbicides in SUGAR CANE**

*Guidance on IPM alternatives to selected uses of Caribbean Priority HHPs:*

**Use 1a. Integrated Weed Management alternatives to HHP herbicides in BANANA**



Convened 18  
CGPC Virtual  
Meetings



Developed model  
pesticide legislation

**MODEL PESTICIDES BILL**  
for countries in the Caribbean region

Draft for Consultation

October 2020



**LEY MODELO DE PLAGUICIDAS**  
para países de la Región del Caribe

Versión para uso en países de tradición jurídica  
romano-germánica

Borrador para Consulta

2021



Created quarterly newsletters  
on pesticide project  
implementation and related  
news

Actualización del Proyecto  
Agosto 2020

**BOLETIN  
MANEJO  
PLAGAS  
EN EL**

**CARIBBEAN  
PESTICIDE  
MANAGEMENT  
NEWS**

Food and Agriculture Organization  
of the United Nations

CGPC

gef

Organización de las Naciones  
Unidas para la Alimentación  
y la Agricultura

Project Update  
March 2021

# CHALLENGES WITH PHASING OUT HHPs AND FINDING ALTERNATIVES



Suitability to the crops and tropical climate



Suitable alternatives are not fully tested



Perceived higher cost of alternatives



Mindset and awareness of farmers



Technical capacity in the region to identify alternatives



Communications with extension farmers and users on HHPs and alternatives



Policy level and industry reluctance to phase out or remove HHPs and slow rate of development of alternative biopesticides



# WAY FORWARD▶▶

Implementation of recommendations from HHPs Studies

Research on potential alternatives in the Caribbean and promoting training and compulsory use of PPE as required

Partner with stakeholders and global community to develop and provide feasible, alternative & concrete solutions to phase out HHPs based on priorities in the region



# CONTACT US



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