CABI in the Americas

Delivering the strategy in our region

Dr. Richard Shaw (CABI) Dr. Yelitza C. Colmenarez (CABI Latam), Dr Naitram (Bob) Ramnanan

CABI Regional Consultation

September 2025

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Regional Highlights and plans:

- Introduction and overview – **Dr Richard (Dick) Shaw**, Senior Regional Director Europe & The Americas
- Latin American review – **Dr Yelitza Colmenarez**, Director Latin America Centre (Brazil)
- Caribbean Review – **Naitram (Bob) Ramnanan**, Regional Coordinator, Caribbean

One CABI support

The rest of CABI is ready to support the region's needs

Offering:

- Identification of key pests (free service) and mitigation advice (consultancy)
- Pest Risk Information Service (**PRISE**)
- Biocontrol solutions

Within season early warning

PRISE: Pest Risk Information SErvice

Developed in Kenya, Zambia, Malawi and Ghana

Combines earth observation derived weather data with pest risk models to give optimum time to action

Assimila

*UK Space Agency funded; project partners: Assimila LTD, Centre from Environmental Data Analysis; we work with in-country partners PPRSD, KALRO, MOALFC, ZARI, DAES

CABI

How we can work with you

Through our experts at CABI, collaborations and experience of building and validating models we deliver:

- Model development to give precision timing for interventions against pests/diseases on agricultural and perennial crops, especially integration with biological control agents
- Models to look at intervention efficacy i.e. how quickly will the biological control agent take to work?
- Embedding modelled information into Good Agricultural Practice advisory services

Bio-input workflow

After bioprospecting useful agents are either freeze dried or cryopreserved

selected agents are mass produced on suitable media

They are then combined with others or packaged singly for farmers to buy and apply with training

Developing a biopesticide pipeline: Learning from another Member Country

- Through the implementation of a Darwin Initiative project, CABI facilitated the establishment of the National Culture Collection, improving access to biological resources and supporting bioprospecting efforts.
- The experience of developing a biopesticide pipeline can be shared with other member countries in the region.

Chilean Microbial Genetic Resources Bank

- The Chilean Collection of Microbial Genetic Resources (CChRGM) is an International Depository Authority (IDA)
- The first Depository Authority in Latin America, and the only IDA in South America.
- Establishment of the National Center for Bioinputs (CeNBI).
- INIA Chile, through its National Center for Bioinputs (CeNBI), develops and markets bioproducts aiming to replace synthetic chemicals with Nature-Based-Solutions based on native microorganisms, reducing the environmental and chemical impact of agriculture.

CABI in the Americas

Delivering the strategy – Latin America

Dr. Yelitza C. Colmenarez (CABI Latam)

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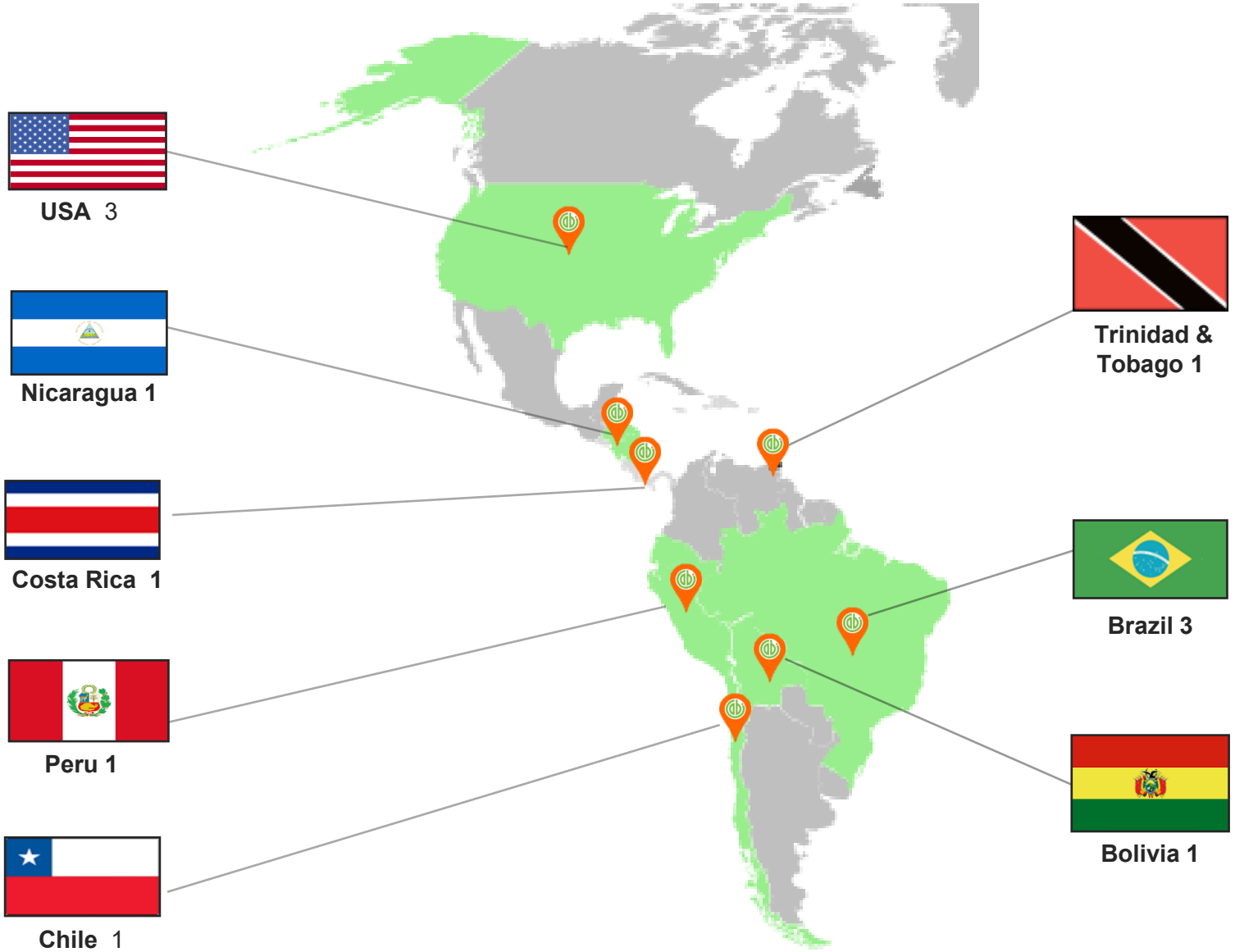
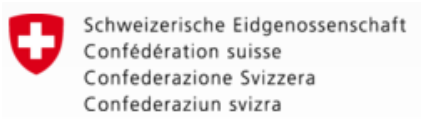
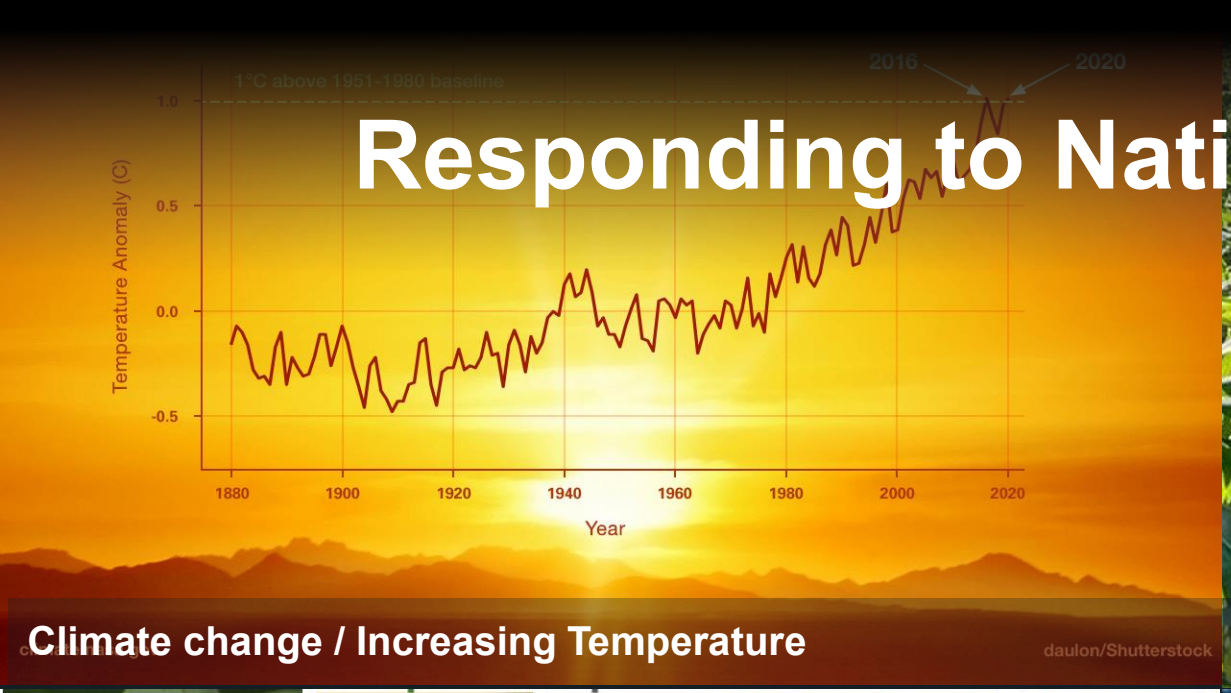
Reinforcing CABI's presence in the region



Key Partners and donors in the region



Responding to National-Regional Priorities



Climate change / Increasing Temperature

daulon/Shutterstock

High dependecy on Chemical aplications
Reinforce Food Security / Safety – Better use of Sustainable practices

Helicoverpa armigera

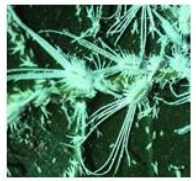
Diaporina citri

Drosophila Suzukii

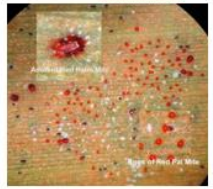
Bactrocera carambolae

Halyomorpha halys

Rhynchoporus ferrugineus



Rastrococcus invandens



Red Palm Mite

Lethal Yellowing

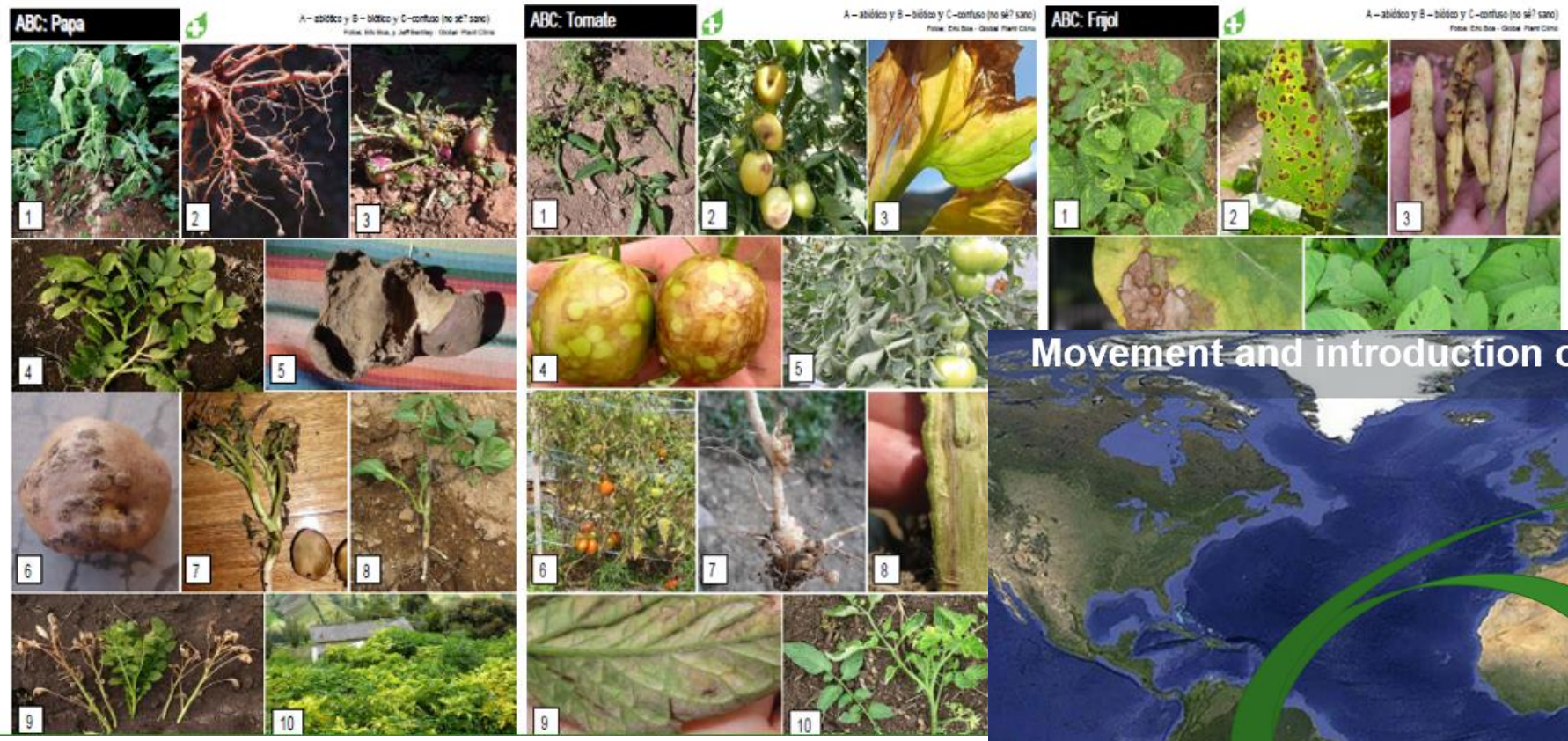
Papayae mealybug

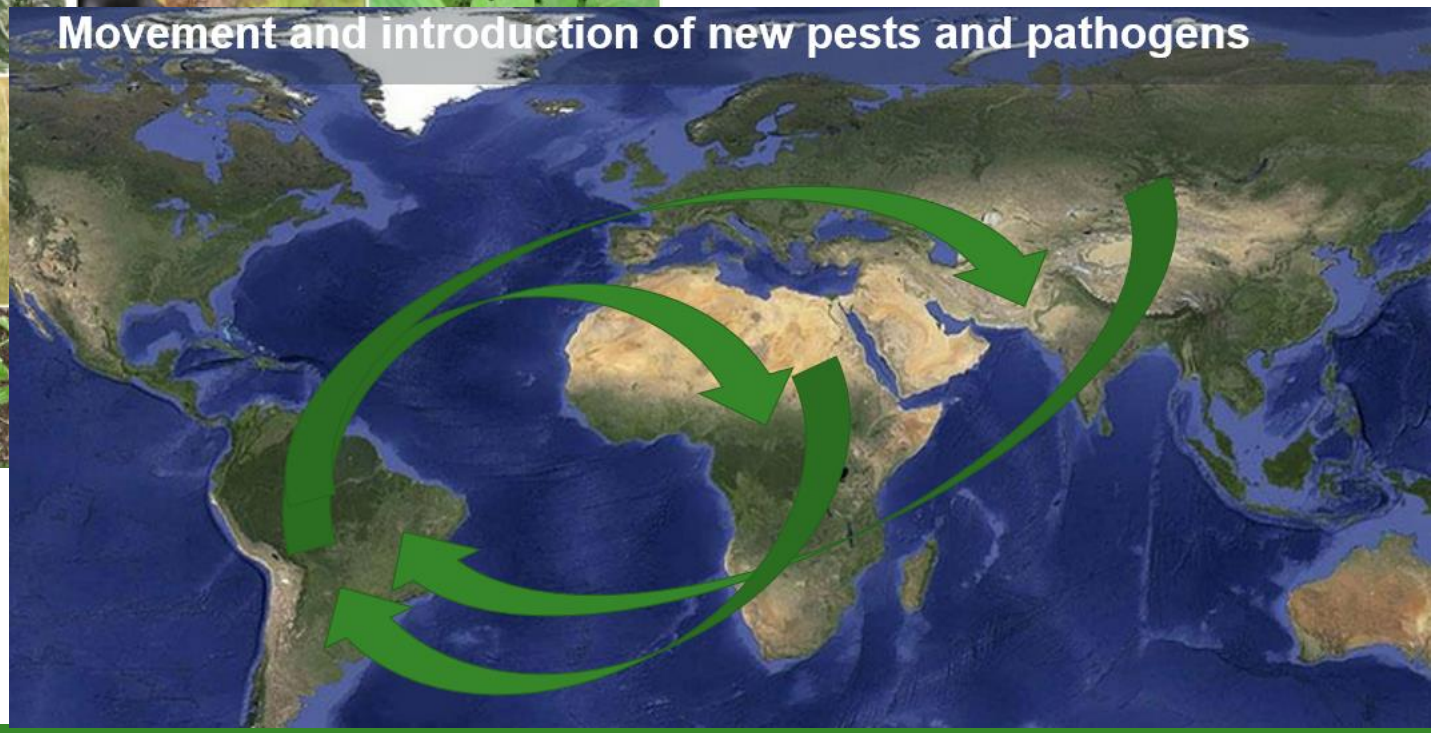
Sustainable management of invasive species

Increase the porfolio and familiarization – Biological Control Agents

Facing the challenges for Sustainability

Challenges - Phytosanitary problems





Impacts of biological invasions?

Biodiversity

Agriculture

Forestry

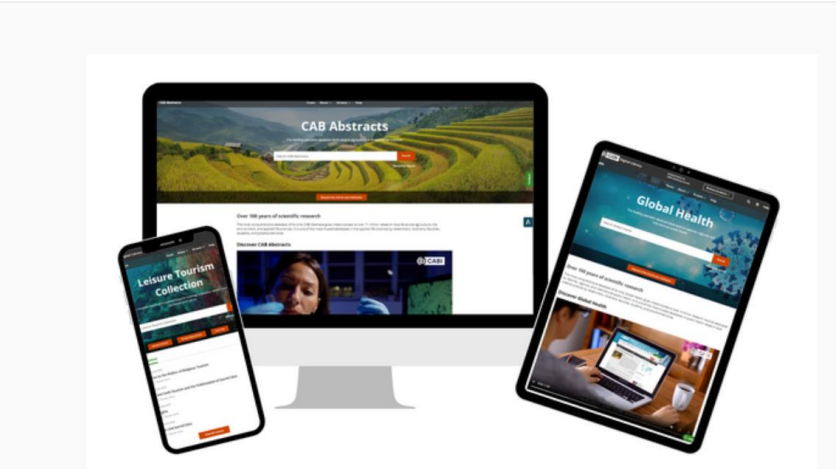
CABI Compendium

CABI Compendium brings together data and research across species, pests, and diseases into one comprehensive resource. CABI Compendium includes images, maps, and diagnostics and decision support tools such as the Horizon Scanning Tool, Pest Risk Analysis Tool, and the Invasive Species Discovery Tool.

CABI Databases and Collections provided up to date information on key topics, and now available on **CABI Digital Library**

CABI Databases and Collections now available on CABI Digital Library

Author: Wayne Coles



Databases

CABI Databases, including CAB Abstracts and Global Health, bring together millions of research records across agriculture, the environment, human health and the applied sciences to support study, research and practical application around the world. Our comprehensive databases include CAB Abstracts, Global Health, GARA, Thesaurus and search Rxiv.

CABI Compendium
Invasive Species

Detailed coverage of invasive species threatening livelihoods and the environment worldwide

Search CABI Compendium Invasive Species

Search

Feedback

- Invasive Species Discovery Tool
- Invasives Open Data
- Country Pest Alerts
- Horizon Scanning Tool
- Mobile apps
- FAW Research Collaboration Portal

Collaboration Platform: Coordinated work with the Ministries of Agriculture – NPPOs – RPPOs

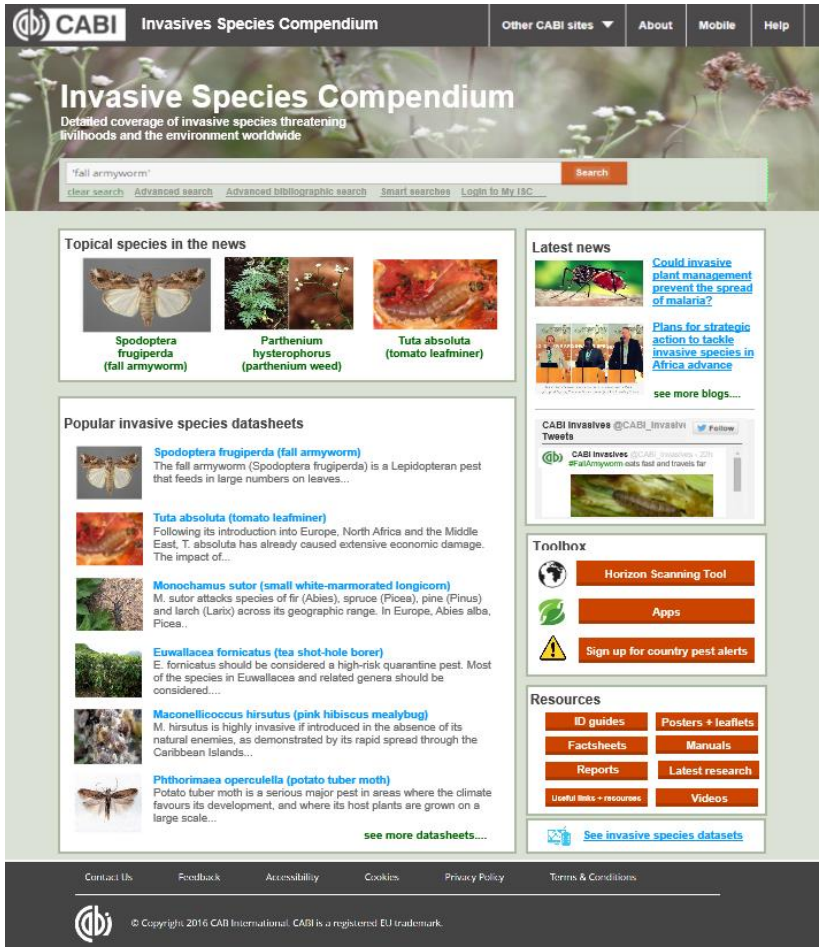
COMUNIDAD ANDINA

CAHFSA
CARIBBEAN AGRICULTURAL HEALTH & FOOD SAFETY AGENCY
AN INSTITUTION OF THE CARIBBEAN COMMUNITY

COSAVE
Comité de Sanidad Vegetal del Cono Sur

OIRSA
ORGANISMO INTERNACIONAL REGIONAL DE SANIDAD AGROPECUARIA

Detailed information on prioritized invasive pest species – Compendium of invasive species



www.cabi.org/isc

Includes

- Species Portals
- Improved Mapping
- Toolbox
- Horizon scanning
- Pest risk analysis (PRA)

Resources

- Diagnostics
- Communication Materials
- Data
- Abstracts
- News

Priority lists – National & Regional

1. ***Fusarium oxysporum f. sp. cubense* (raza 4 Trop)** en Banana – Hongo
2. **Zebra Chip** –Candidatus Liberibacter solanacearum – Bacteria – Transm. *Bactericera cockerelli*
3. Coco Lethal Yellowing – Fitoplasma
4. **European Canker of apples** – *Neonectria galligena* – Bacteria
5. **Plum box vírus en Durazno** – Virus
6. **Tomato ringspot vírus** – Virus
7. **Frosty pod rot:** *Moniliophthora roreri* – Hongo
8. ***Pantoea stewartii* subsp. *stewartii* en Maíz** – Bacteria
9. **Pitch canker disease in Pine** – *Fusarium circinatum* – Hongo
10. **Bacteriosis Vascular del arroz –** *Xanthomonas oryzae* pv. *Oryzae* – Bacteria

Sustainable Management of the invasive Croton Scale

Funded by Plantwise Plus and Sandals Foundation (2024-2025)

Evaluations conducted in Grenada and Barbados

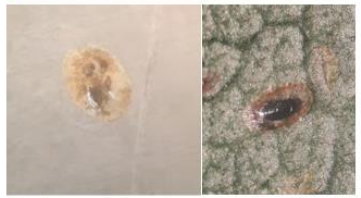
Polyphagous pests – Attacking tropical fruits production

Croton Scale

Natural enemies- Biocontrol agents


Mature females and crawlers (babies) (left); parasitize young insects with the parasitoid in development inside of the mummified croton scale insect (right). Photos: YC Colmenarez (CABI).


Exit holes left by emerging new adult parasitoids (left) and adult parasitoids (right). Photos: YC Colmenarez (CABI).



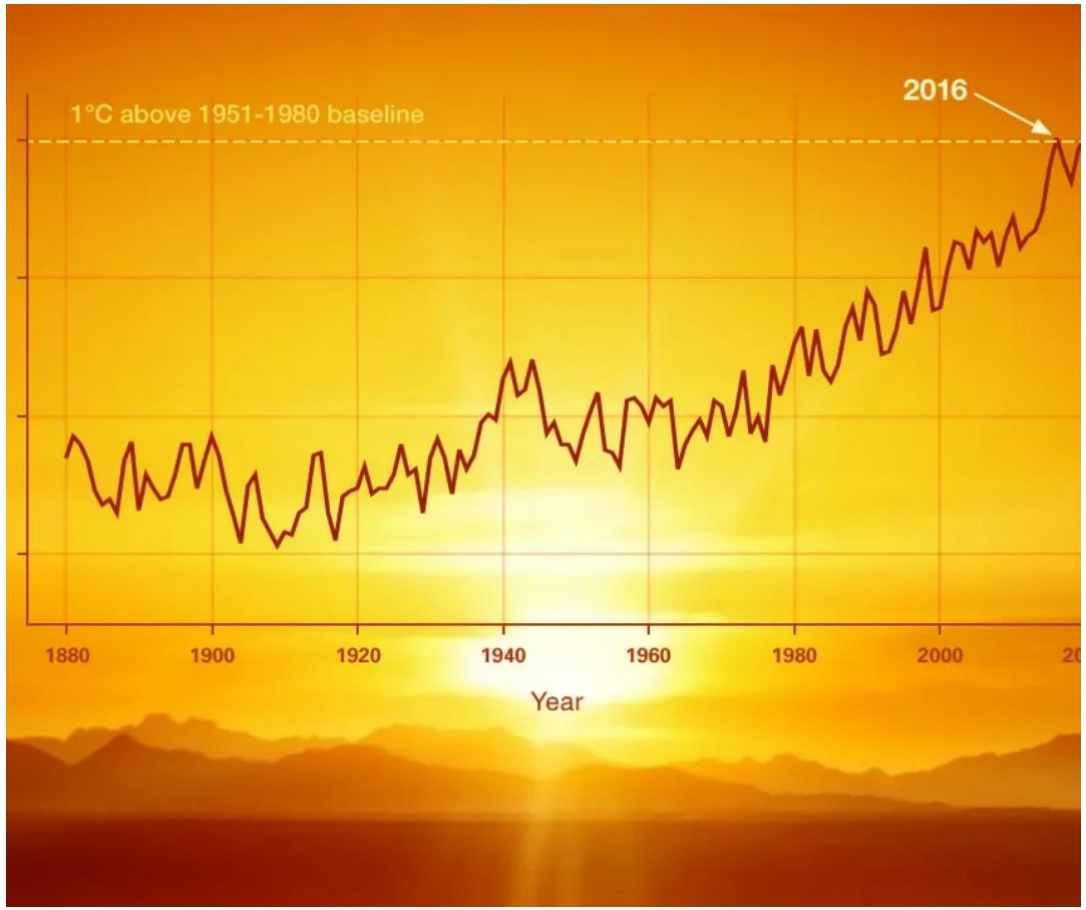

The population of Croton Scale affects the fruits with the present of ants protecting the insects. Photos: YC Colmenarez (CABI) & A. Acosta (CABI Associate).

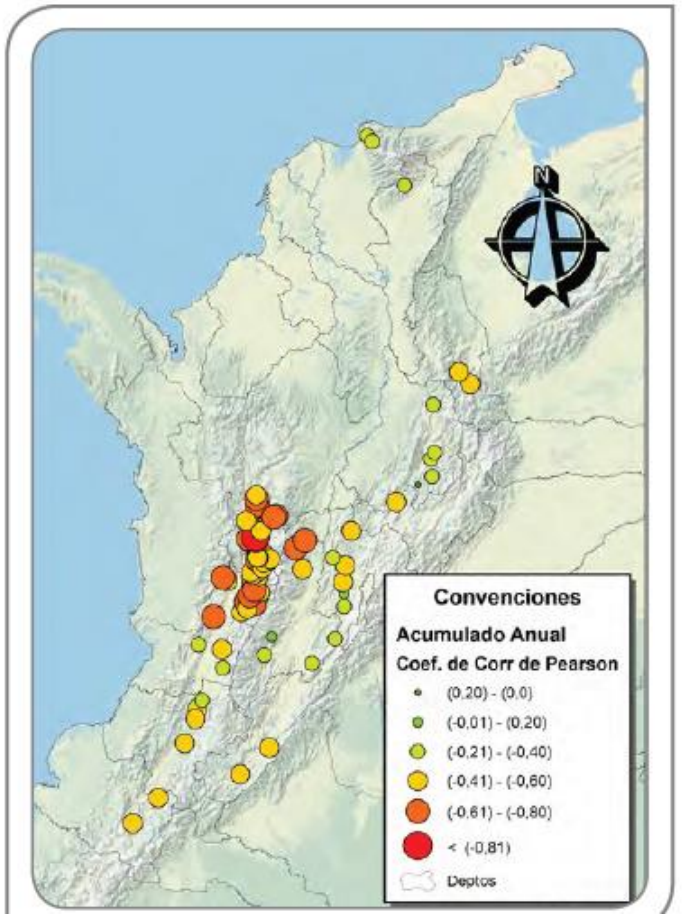
Predators as Natural Enemies of Croton Scale. Photos: YC Colmenarez (CABI) & A. Acosta (CABI Associate)..

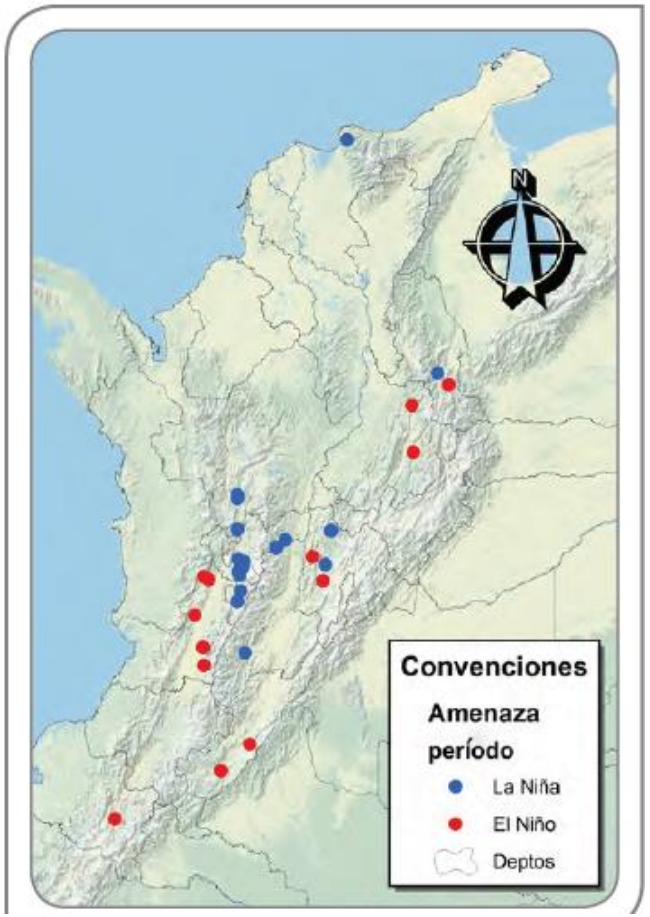
"Thanks to Biocontrol, I was able to save my plants and recover my Production"

Climate change – Increasing Temperature

Coffee Climate threats – El Niño la Niña







Digital innovation to protect Colombian coffee farms and farmers

Funded by:
Agri-Tech Catalyst, Innovate UK (Phase 1) and Darwin Initiative (Phase 2)

Objective of the project:

This project aims to deliver an innovative **pest alert system** to coffee farmers in Colombia, which will help them reduce their reliance on synthetic chemical pesticides.

Cafexport

CLIMATE EDGE

ASSIMILA

CABI

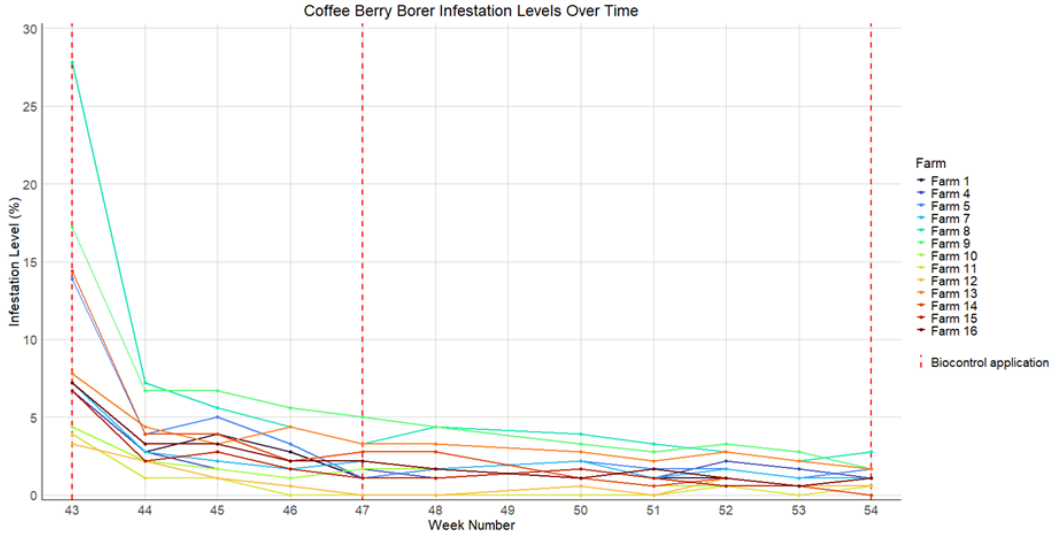
Correct moment for application and Evaluation of biological alternatives – Entomopathogens

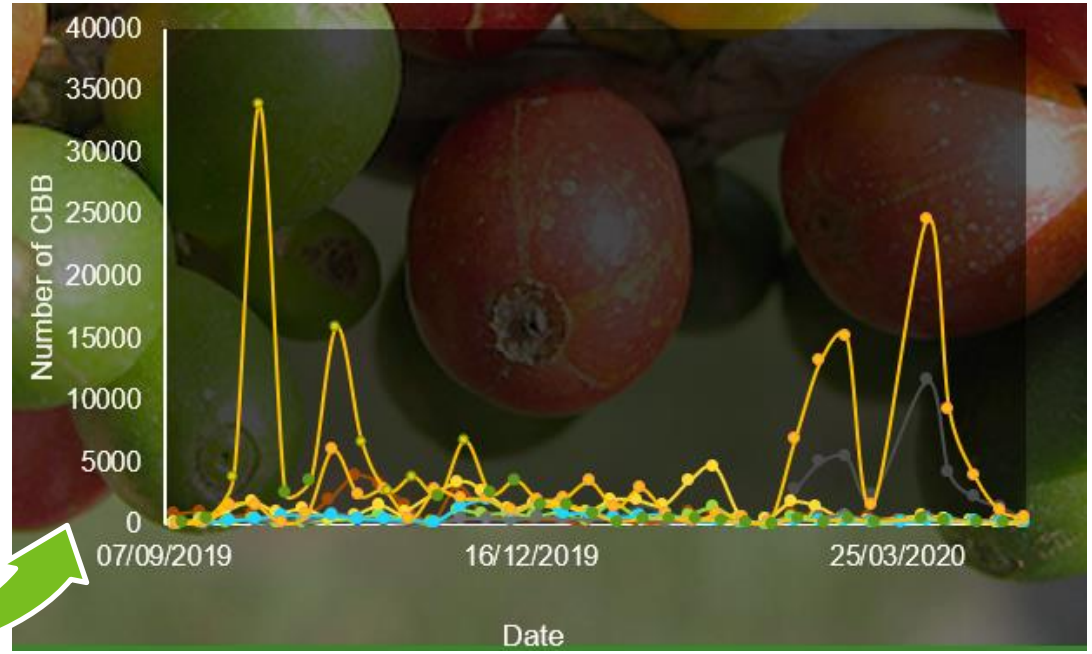
Model – Early Warning

Incidence of the pest in a year – Correlation with the most favorable climatic conditions

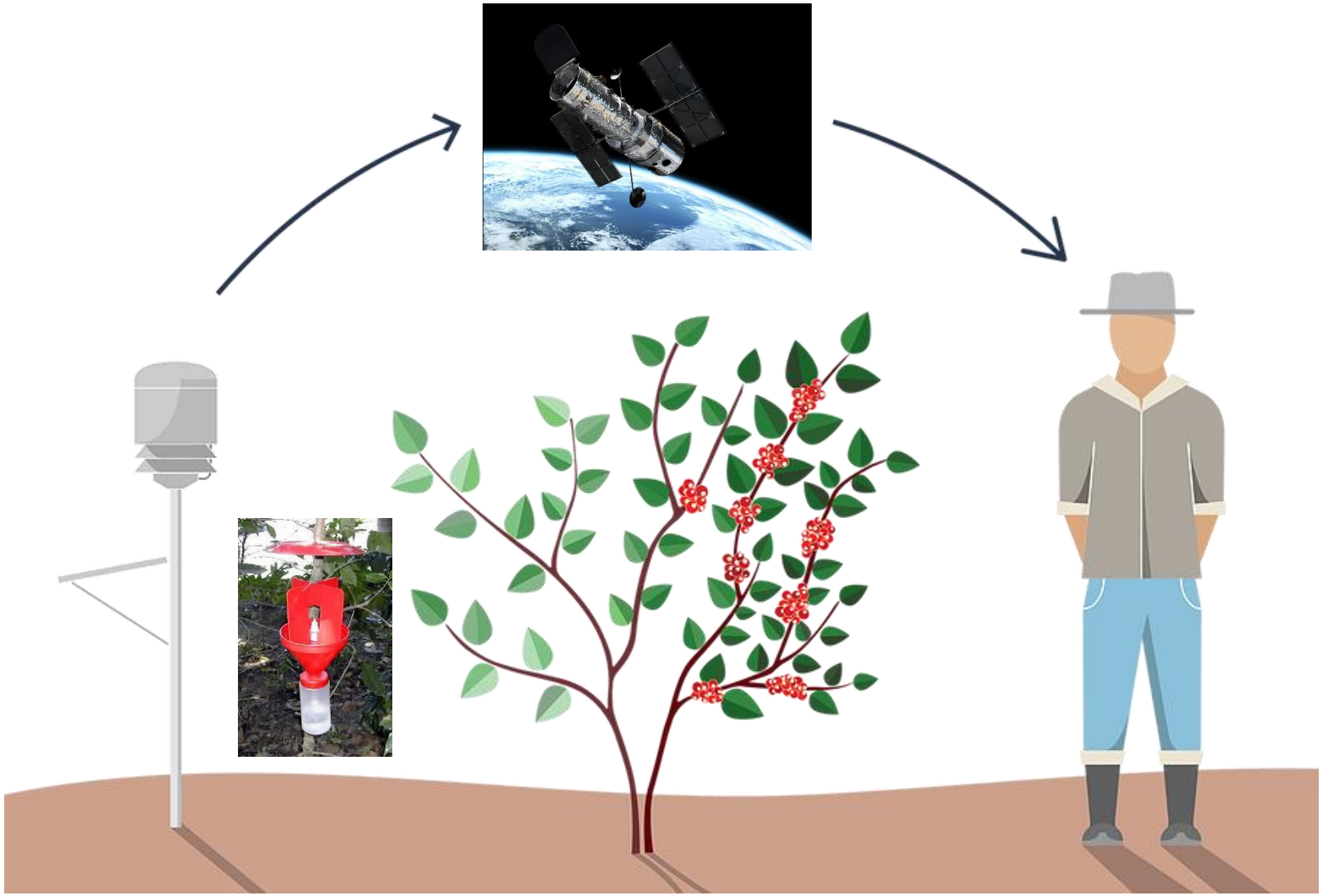
– Development of the pest

– Optimal conditions for BP application

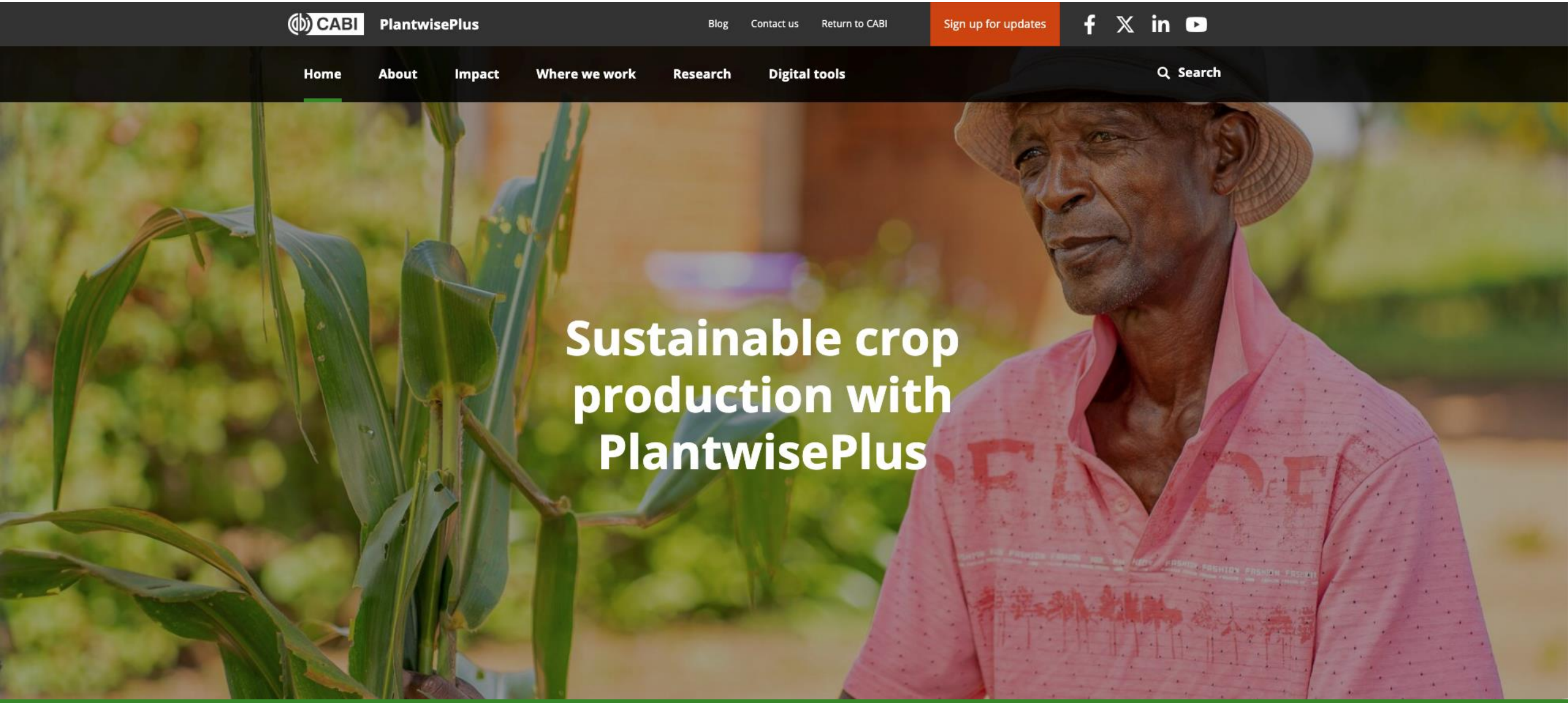




Transferring information to farmers – work done through farmers´ associations



PlantwisePlus – global programme

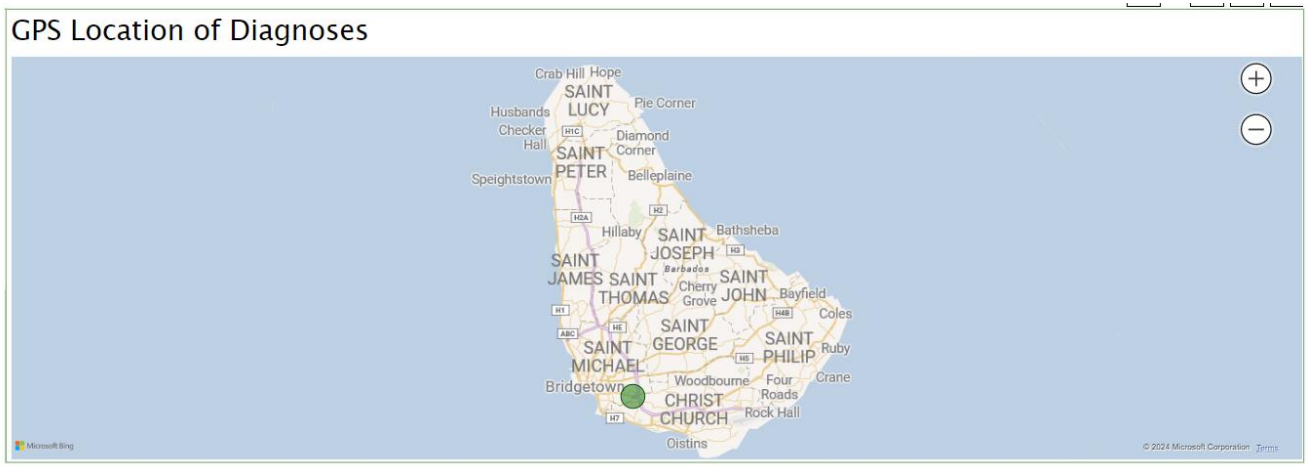


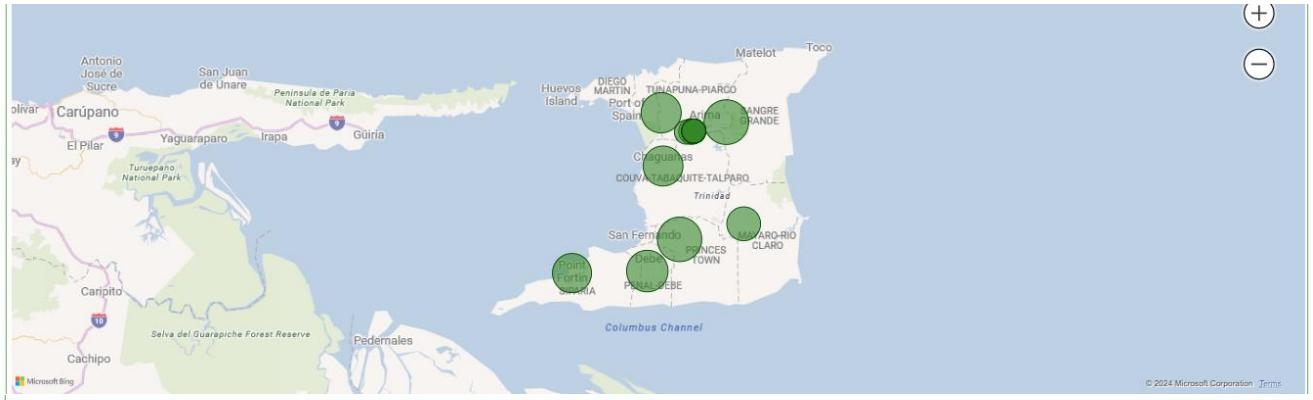
8 Countries in Latin America and the Caribbean

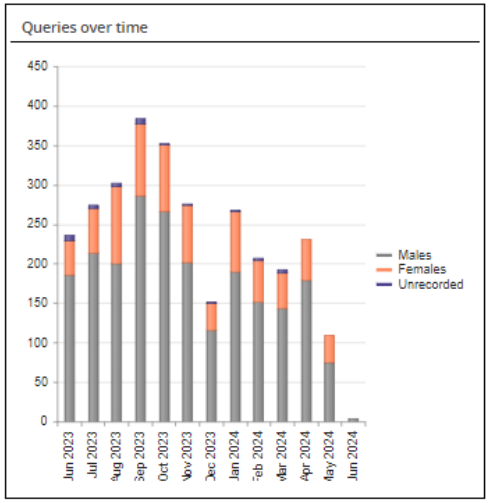
National Extension system
Advisory service for farmers

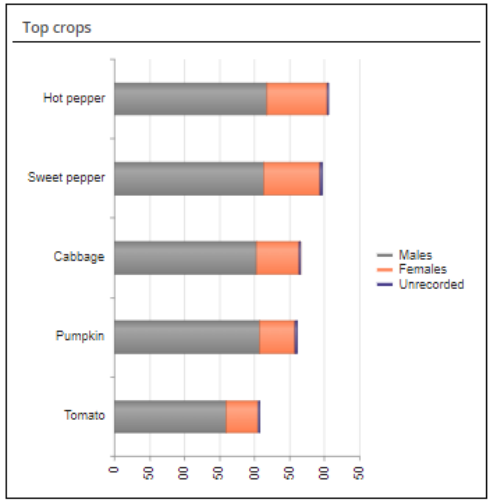
Plantwise Online Management System

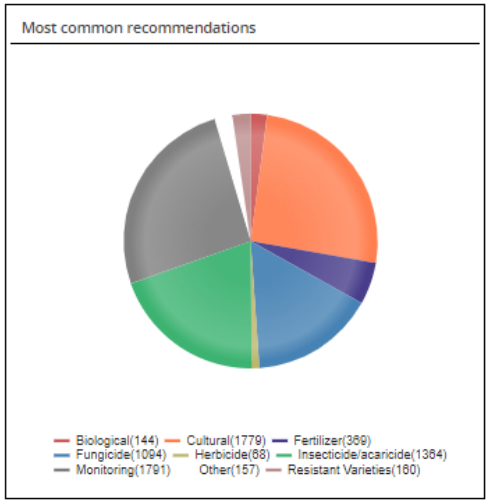
LAC

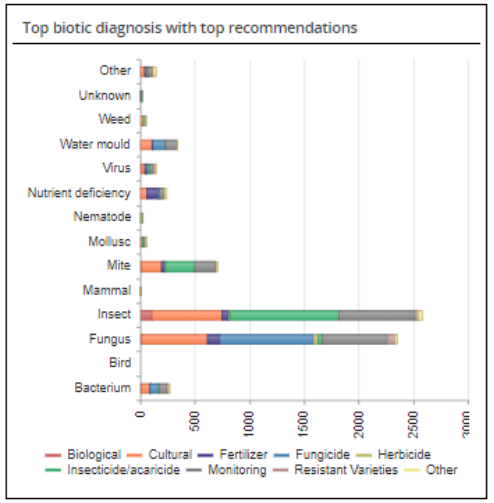












Increasing the reach
Use of Digital Technology

Data management | Clinic data | Administrative information | Reports

Facts And Figures

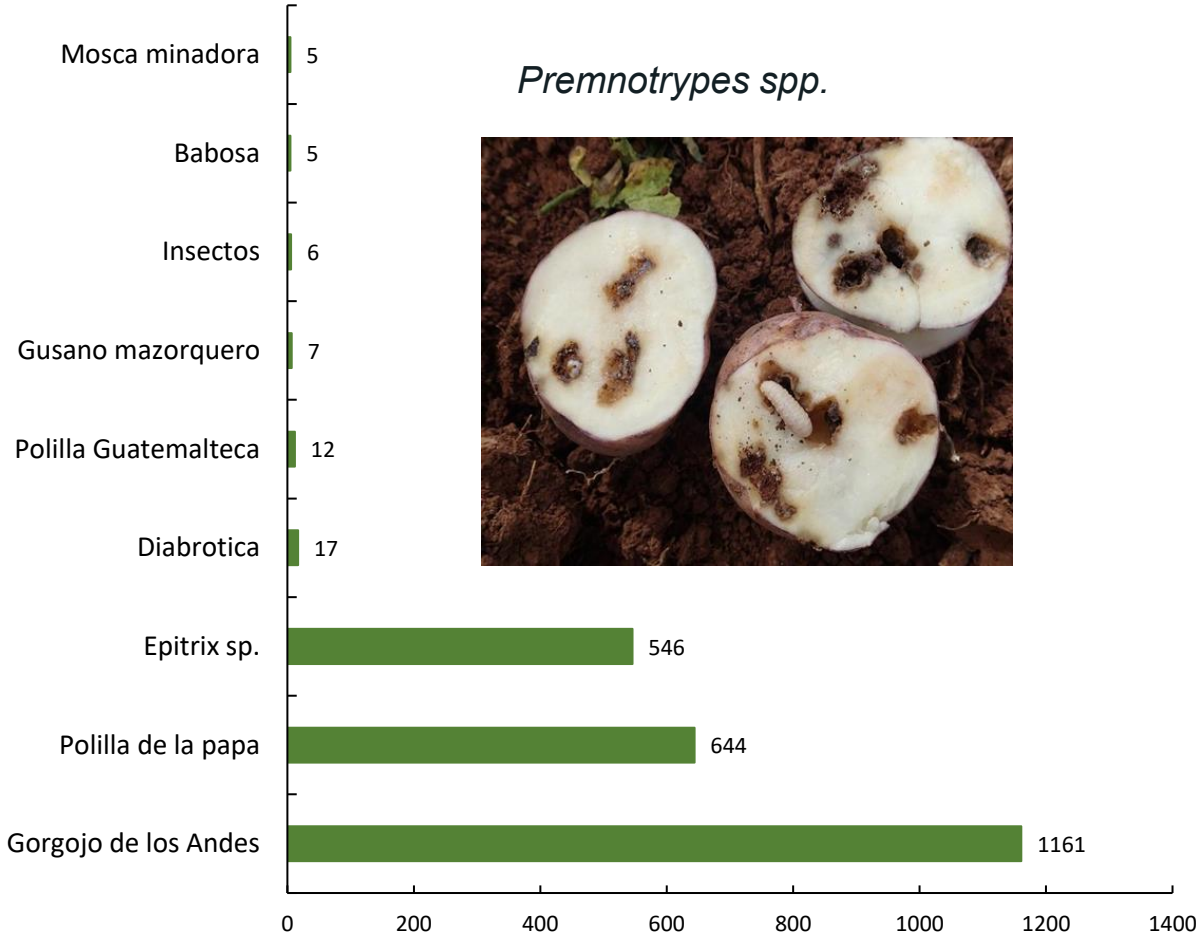
Clinics established:	131
Active clinics:	129
Total clinic queries to date:	17458
Single diagnosis queries:	16785
Mixed diagnosis queries:	673

Clinics map

GPS Location of Diagnoses

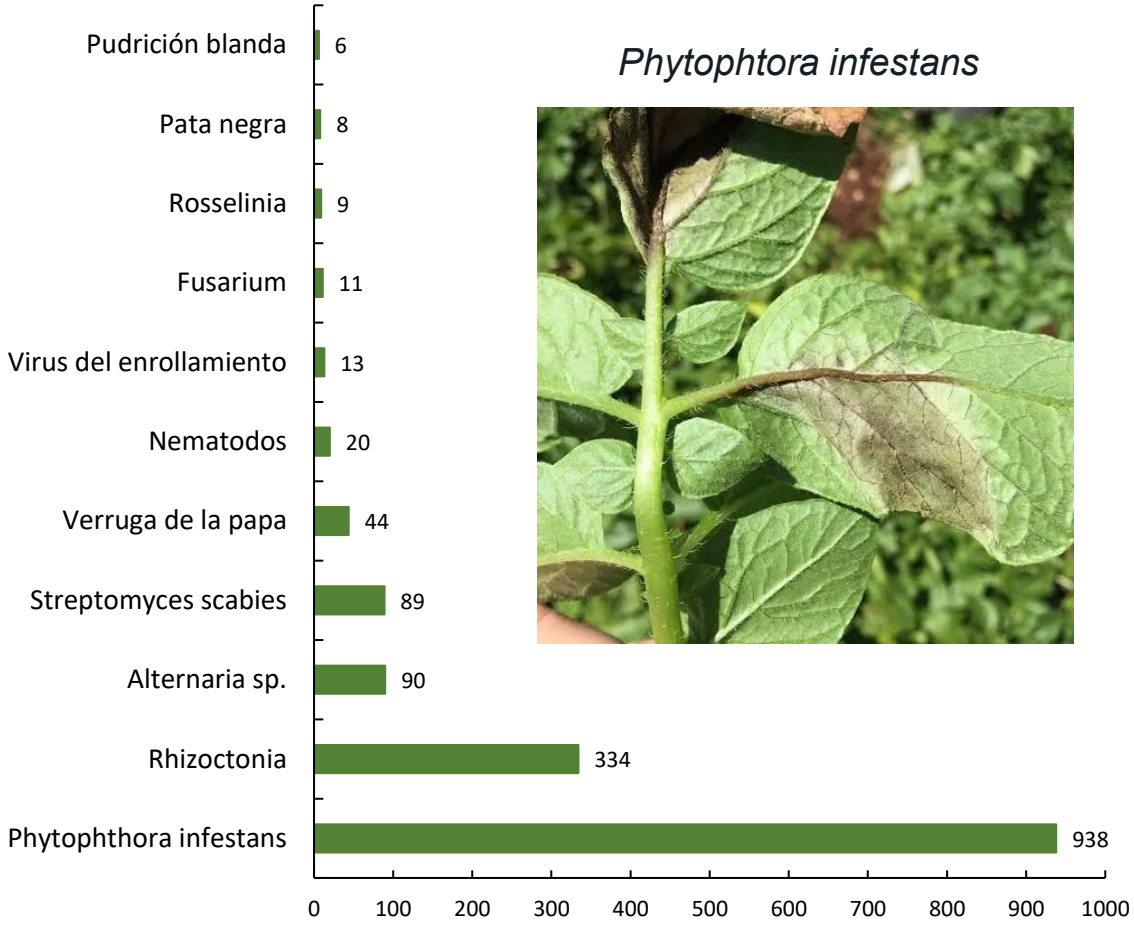
National Data Management System

Main pests of potato



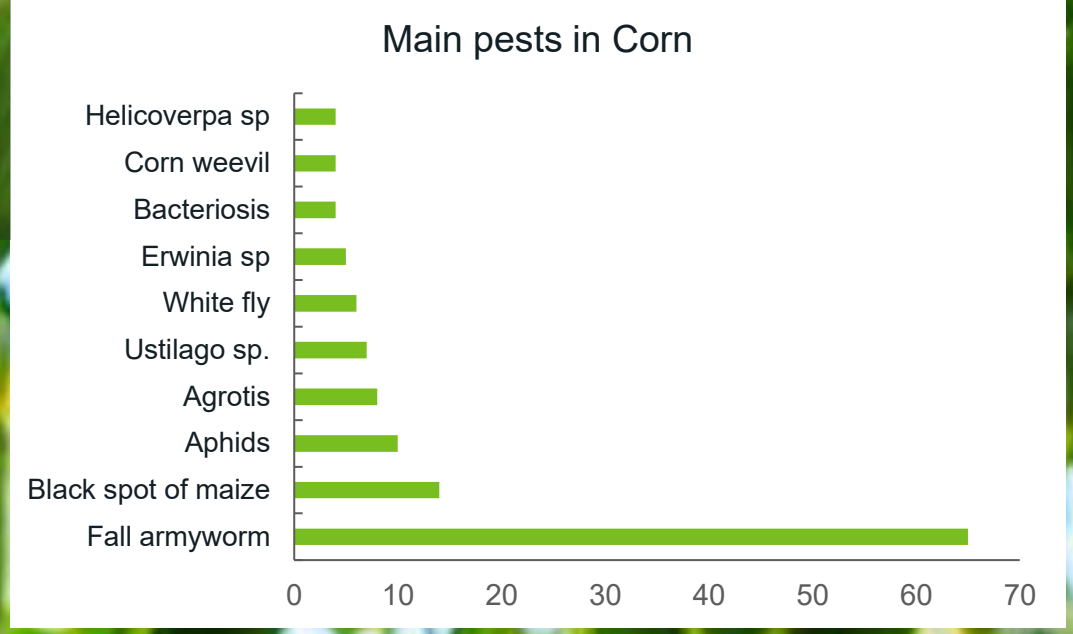
Premnotrypes spp.

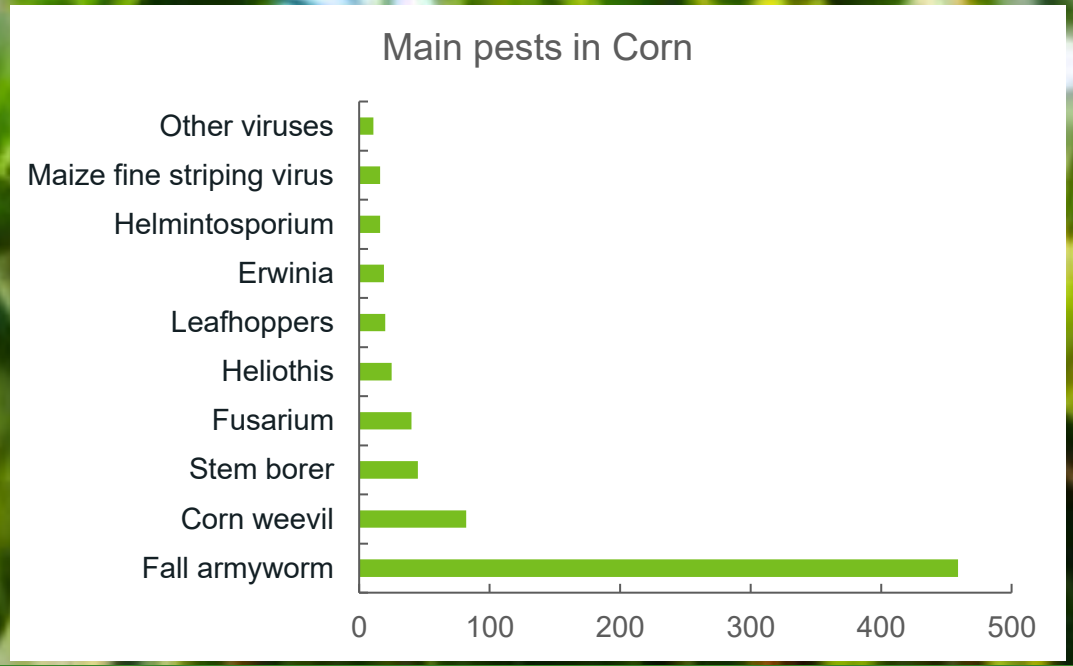
Main diseases of potato



Phytophtora infestans

Key pests attacking the crop





Educating smallholder farmers about nature-based pesticides in Chile

Funded by: Croda Foundation – 3 years

The project will help farmers establish sustainable livelihoods by utilizing nature-based, biological pesticides.

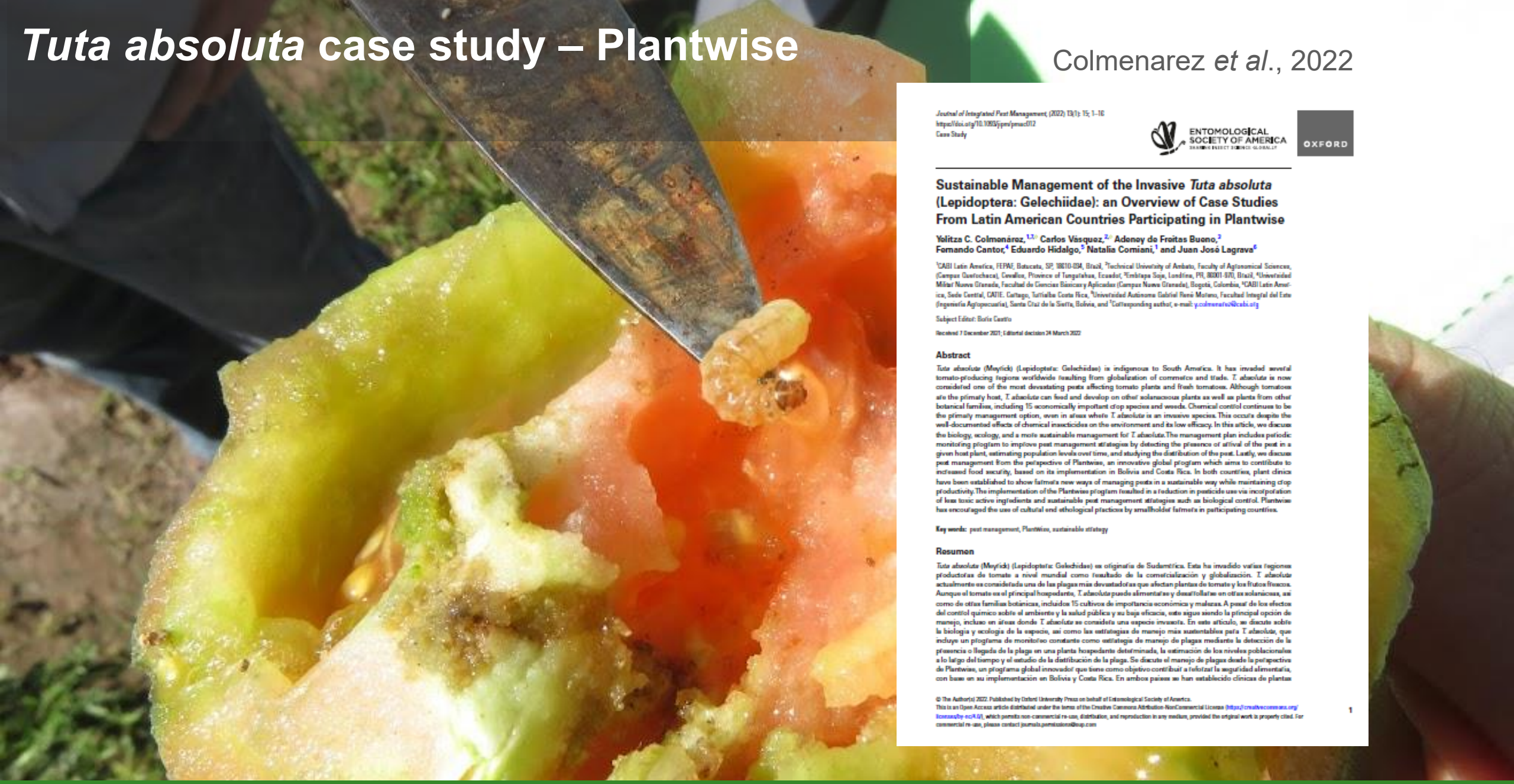
Working together with INIA Chile, farmers are trained to get more familiar with the use of biopesticides.

Croda Project – Linking with the scientific community

The Chilean culture collection offers good opportunities to develop new bioproducts to be applied at the field.

Tuta absoluta case study – Plantwise

Colmenarez *et al.*, 2022



Journal of Integrated Pest Management, (2022) 13(1): 15; 1–10
https://doi.org/10.1093/jipm/pmac012
Case Study

ENTOMOLOGICAL SOCIETY OF AMERICA

OXFORD

Sustainable Management of the Invasive *Tuta absoluta* (Lepidoptera: Gelechiidae): an Overview of Case Studies From Latin American Countries Participating in Plantwise

Yolitza C. Colmenárez,[1,3] Carlos Vásquez,[2,] Adeney de Freitas Bueno,[2] Fernando Cantor,[4] Eduardo Hidalgo,[5] Natalia Cornejo,[1] and Juan José Lagrava[6]

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Subject Editor: Borís Castro

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Abstract

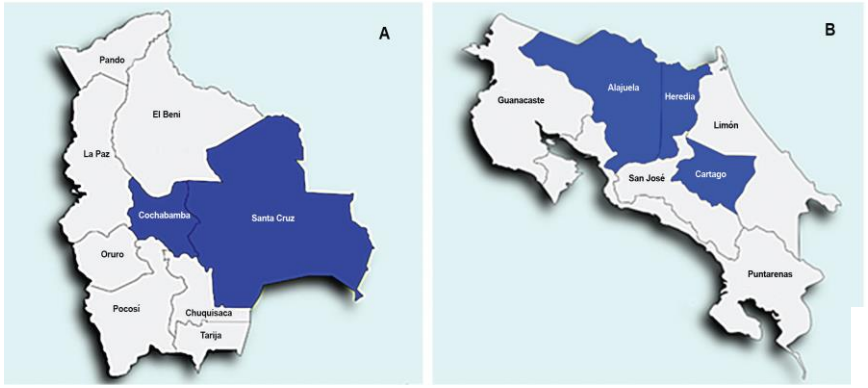
Tuta absoluta (Meyrick) (Lepidoptera: Gelechiidae) is indigenous to South America. It has invaded several tomato-producing regions worldwide resulting from globalization of commerce and trade. *T. absoluta* is now considered one of the most devastating pests affecting tomato plants and fresh tomatoes. Although tomatoes are the primary host, *T. absoluta* can feed and develop on other solanaceous plants as well as plants from other botanical families, including 15 economically important crop species and weeds. Chemical control continues to be the primary management option, even in areas where *T. absoluta* is an invasive species. This occurs despite the well-documented effects of chemical insecticides on the environment and its low efficacy. In this article, we discuss the biology, ecology, and a more sustainable management for *T. absoluta*. The management plan includes periodic monitoring program to improve pest management strategies by detecting the presence of arrival of the pest in a given host plant, estimating population levels over time, and studying the distribution of the pest. Lastly, we discuss pest management from the perspective of Plantwise, an innovative global program which aims to contribute to increased food security, based on its implementation in Bolivia and Costa Rica. In both countries, plant clinics have been established to show farmers new ways of managing pests in a sustainable way while maintaining crop productivity. The implementation of the Plantwise program resulted in a reduction in pesticide use via incorporation of less toxic active ingredients and sustainable pest management strategies such as biological control. Plantwise has encouraged the use of cultural and ethological practices by smallholder farmers in participating countries.

Key words: pest management, Plantwise, sustainable strategy

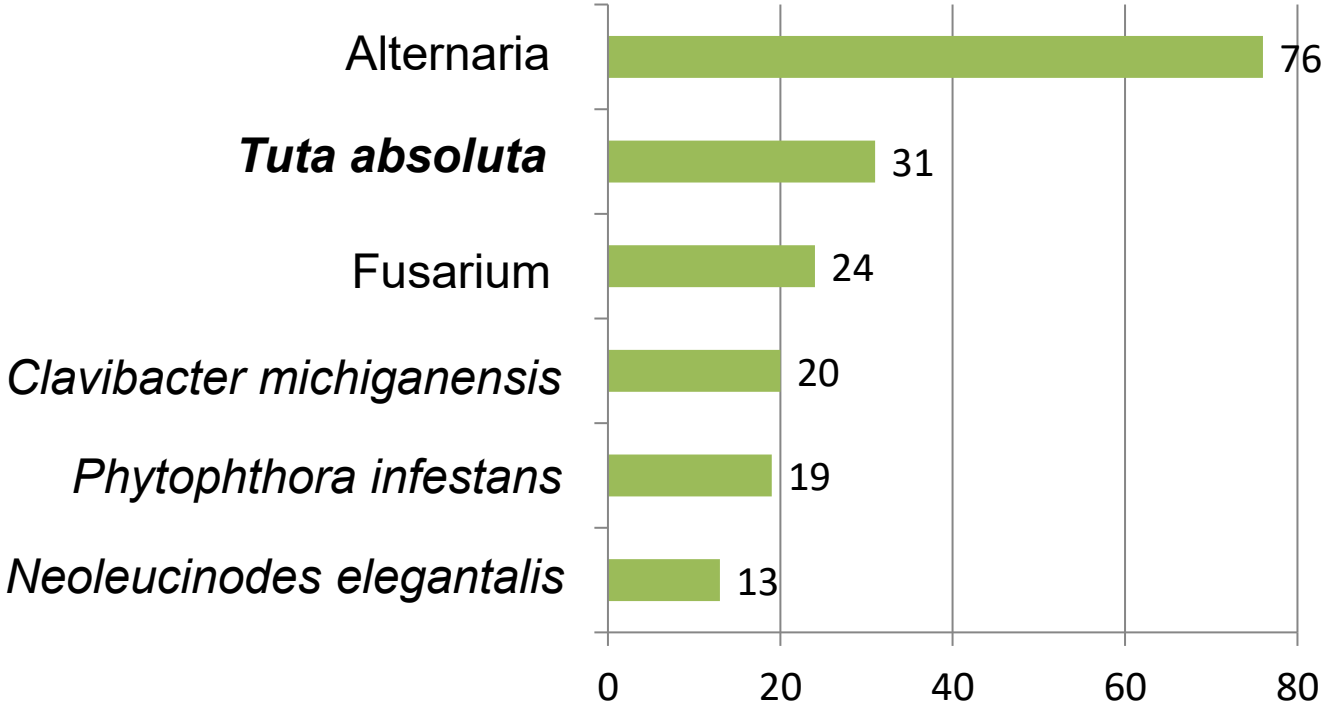
Resumen

Tuta absoluta (Meyrick) (Lepidoptera: Gelechiidae) es originaria de Sudamérica. Esta ha invadido varias regiones productoras de tomate a nivel mundial como resultado de la comercialización y globalización. *T. absoluta* actualmente es considerada una de las plagas más devastadoras que afectan plantas de tomate y los frutos frescos. Aunque el tomate es el principal hospedante, *T. absoluta* puede alimentarse y desarrollarse en otras solanáceas, así como de otras familias botánicas, incluidos 15 cultivos de importancia económica y malezas. A pesar de los efectos del control químico sobre el ambiente y la salud pública y su baja eficacia, este sigue siendo la principal opción de manejo, incluso en áreas donde *T. absoluta* se considera una especie invasora. En este artículo, se discute sobre la biología y ecología de la especie, así como las estrategias de manejo más sustentables para *T. absoluta*, que incluye un programa de monitoreo constante como estrategia de manejo de plagas mediante la detección de la presencia o llegada de la plaga en una planta hospedante determinada, la estimación de los niveles poblacionales a lo largo del tiempo y el estudio de la distribución de la plaga. Se discute el manejo de plagas desde la perspectiva de Plantwise, un programa global innovador que tiene como objetivo contribuir a reforzar la seguridad alimentaria, con base en su implementación en Bolivia y Costa Rica. En ambos países se han establecido clínicas de plantas

Tuta absoluta – Areas evaluated

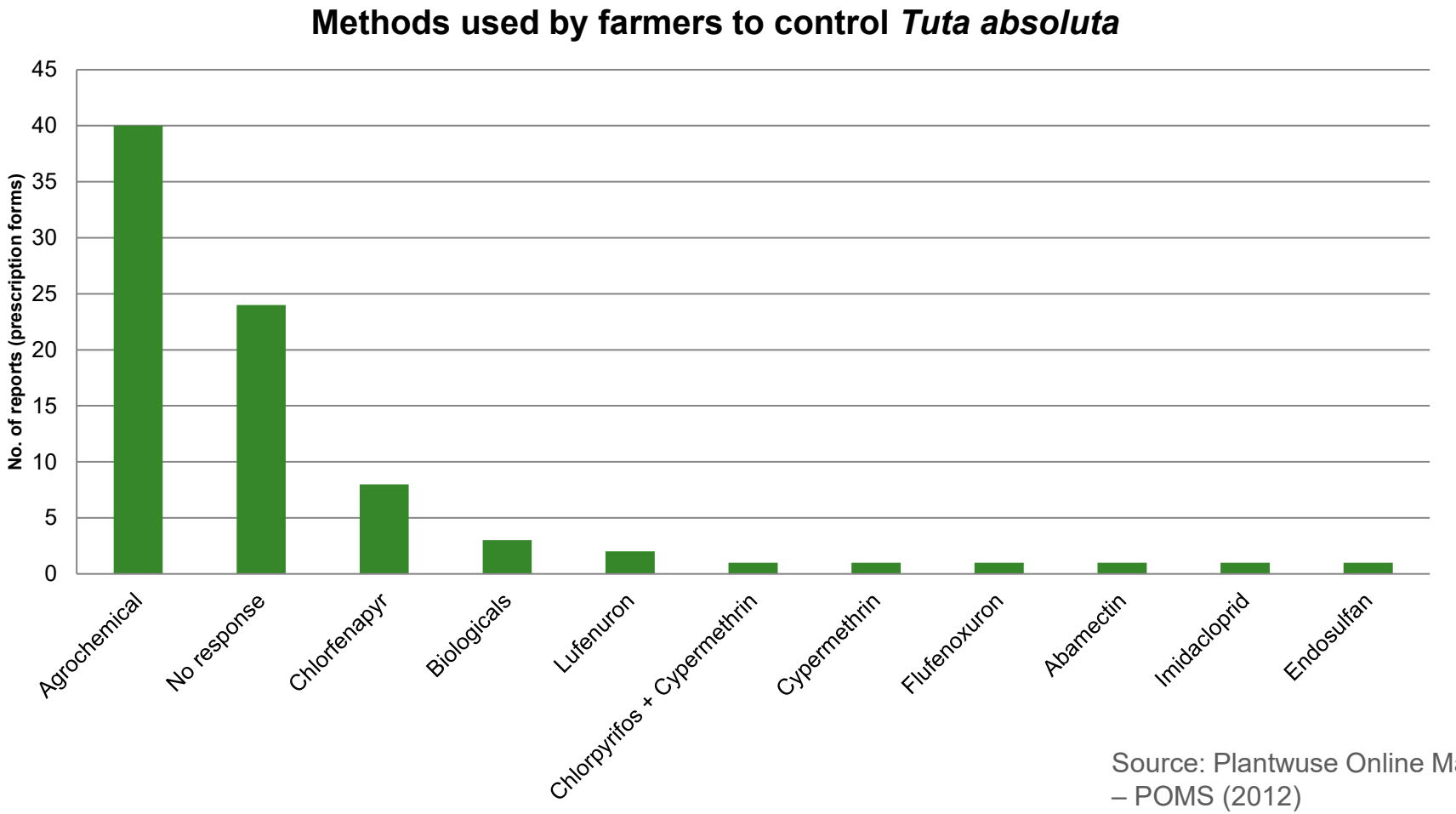


Main problems reported – Santa Cruz 2020



Fonte: DSIA Sta Cruz government, POMS, and verified at field interviews (2020)

T. absoluta is a serious problem: frequent applications of pesticides, including highly toxic pesticides



Source: Plantwuse Online Management system – POMS (2012)

Integrated Pest Management of *Tuta absoluta*

Trichogramma pretiosum

+

Bacillus thuringiensis

+

Pheromone Traps

+

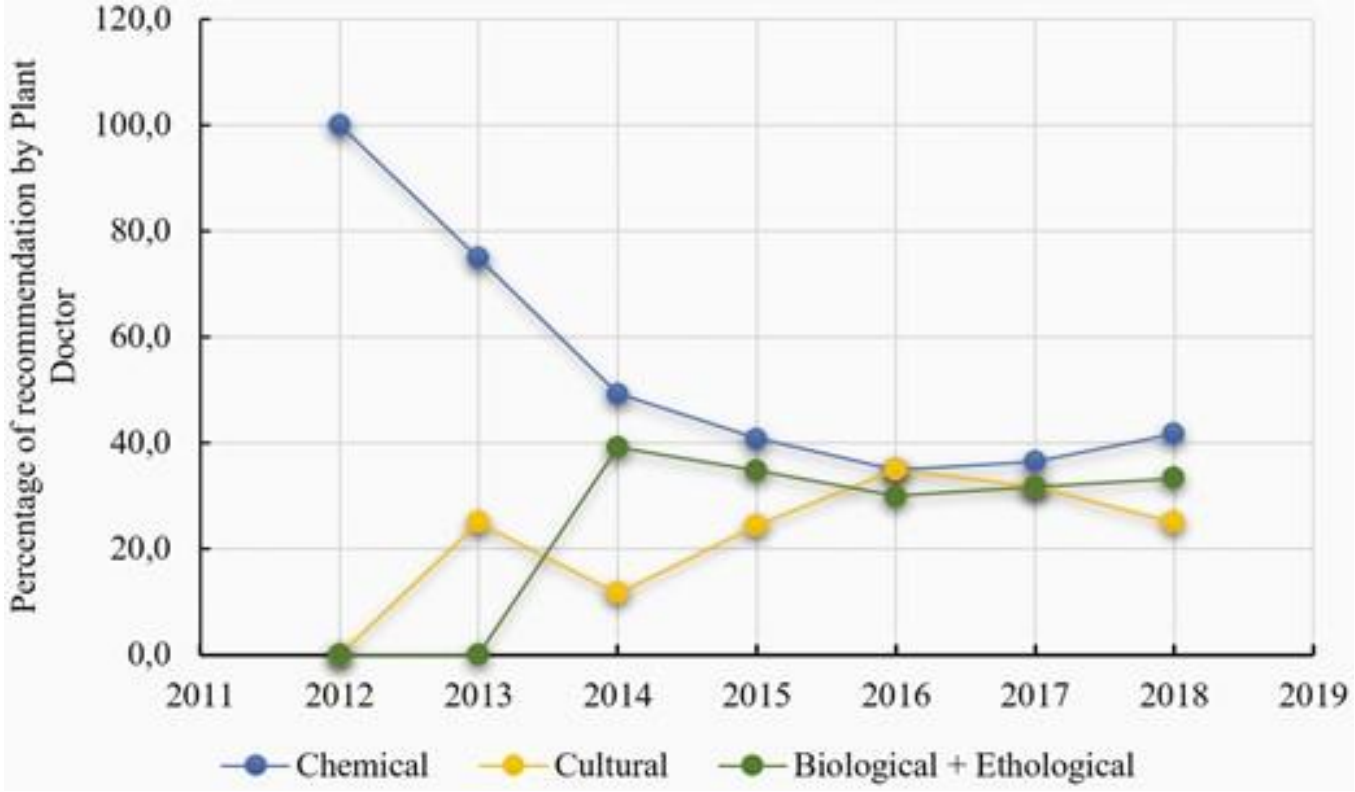
Less toxic pesticides

Uso de controladores biológicos, comerciales y naturalmente presentes

Farmers' and technicians' training on Biocontrol

- Tools developed to facilitate access to information on which bioproducts are available in each country
- Technology transfer adapted to the local context

Biological Control & IPM of *Tuta absoluta*



Increased use of bioproducts and sustainable practices.

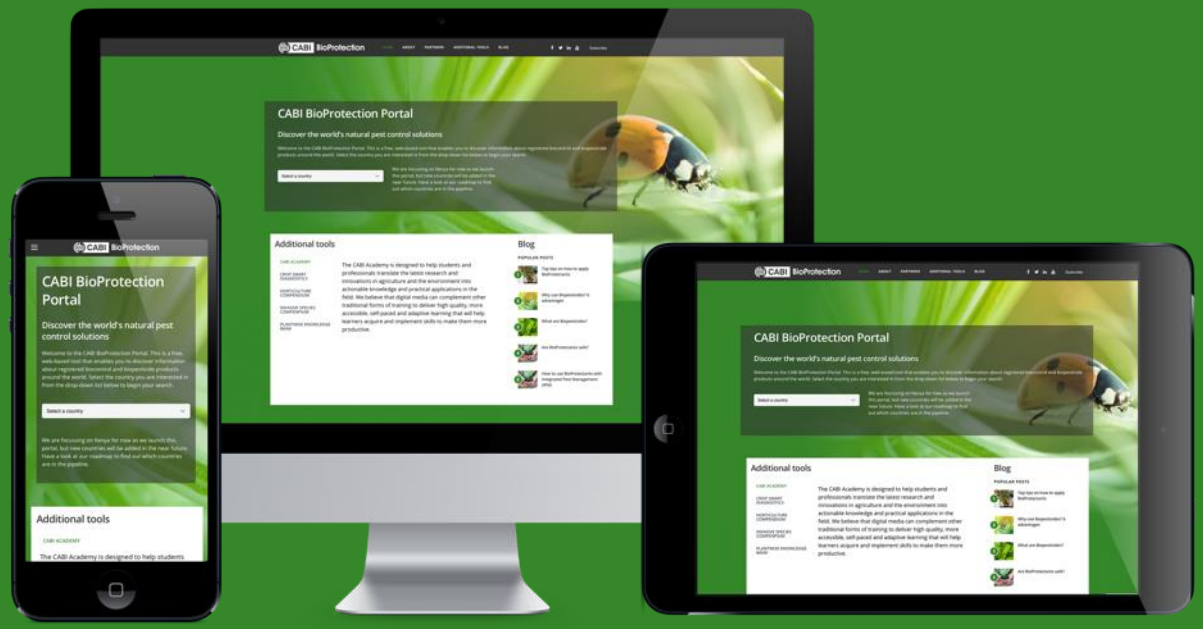
Significant reduction in the frequency of chemical pesticide applications

Use of selective and less toxic products

Colmenarez et al., 2022 – Journal of Integrated Pest management

Available at: https://academic.oup.com/jipm/article/13/1/15/6586048

CABI BioProtection Portal



www.bioprotectionportal.com

BioProtection Portal

The largest free resource for biological plant protection

Find bioprotection products for your crop

Select your country: Chile ×

Select your occupation: Farmer/grower ×

Search crop: Type to search

Search pest: Type to search

Not sure where to start? Watch our demo videos to get familiarized with the CABI BioProtection Portal and visit our Resources to learn the basics of bioprotection, common crop pests, how to select a product, and more.

Would you like to hear from us? Sign up for email alerts to receive our monthly News Buzz and more.

What is bioprotection?

Bioprotection is the use of products that originate from nature to control pests and diseases. At CABI BioProtection Portal, we put bioprotectants into two categories: **biopesticides** (microbials, semiochemicals, and natural substances) and invertebrate biocontrol agents (macrobials).

For example, the introduction of beneficial ladybird predators to combat aphid pests (pictured to the right) is a sustainable preventative measure that can retain ecosystem health while establishing long-lasting crop protection. Unlike many conventional pesticides and herbicides, these products are often pest specific,

CABI BioProtection

Você está vendo atualmente produtos biocontroladores e biopesticidas registrados para o Brasil

Pesquisador(a) | Soja | Bemisia tabaci | Sua localização | Procurar

Se você não encontrar uma determinada cultura ou praga com a lista suspensa abaixo, isso indica que atualmente não há produtos biopesticidas registrados. Valorizamos seus
da CABI e órgãos apropriados.

Valorizamos seus comentários para captar tais exemplos para discuti-los com o Consórcio de Desenvolvimento da CABI e

43 resultados

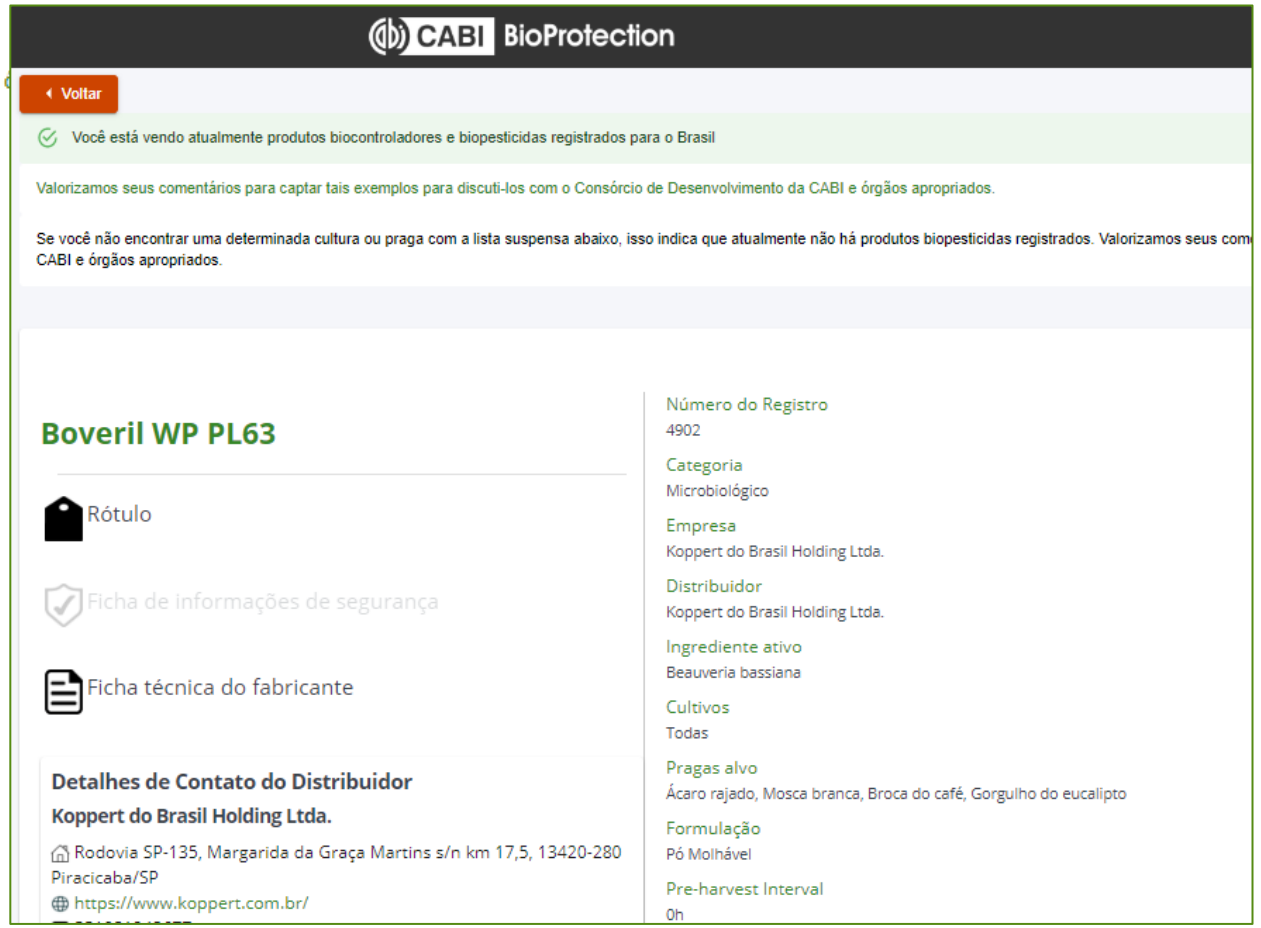
Ordenar por

Produtos afiliados aos parceiros do Portal CABI de BioProteção

Boveril WP PL63
Ingrediente ativo: Beauveria bassiana
Koppert do Brasil Holding Ltda.

Beauvetec
Ingrediente ativo: Beauveria bassiana
Koppert do Brasil Holding Ltda.

Prev-Am
Ingrediente ativo: Óleo de casca de laranja
Oro Agri Brasil Produtos Para Agricultura Ltda.



Select your country: Chile

Select Occupation: Farmer/grower

Select Crop: Search Crop

Select Pest: Spodoptera frugiperda

This biological product has been registered for use in Chile by Servicio Agrícola y Ganadero

Hear when new products are added with our email alerts

Showing 1 - 2 of 2 Chile Spodoptera frugiperda

Product

En Vivo SC

Microbial

Active ingredient:

- Mamestra brassicae multiple nuclear polyhed...

Registrant: Point Industrial y Comercial Chile

More info

Product

DiPel WG

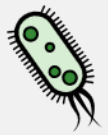
Microbial

Active ingredient:

- Bacillus thuringiensis subspecies kurstaki str...

Registrant: Sumitomo Chemical Chile

More info



Naturalis-L

MICROBIANO

BEAUVERIA BASSIANA ATCC 74040

Este producto biológico ha sido registrado para su uso en Chile by Servicio Agrícola y Ganadero

Información básica

Número de registro:
1650

Categoría:
Microbiano

Registrante
Nutrien Ag Solutions Chile

Fabricante
Troy Biosciences Incorporated

Usos permitidos

Papa

- Aphis gossypii
- Brevicoryne brassicae
- Escama de las crucíferas

Mostrar más

- Arañita
- Cochinilla harinosa / Cochinilla
- Helicoverpa zea

- Arañita roja / Araña roja
- El araña roja / Arañita bimaculada
- Heliothis virescens

Easy access to information on biocontrol products

ANEXO 3
LISTA DE PRODUCTOS BIOLOGICOS FORMULADOS REGISTRADOS

Nº Registro PBUA	Nombre comercial	Nombre común	Origen	Titular del registro
001-SENASA	Agree 50 WP	*Bacillus thuringiensis sp. Aizawai*	EE.UU.	Consorcio Agropec… …s S.A.C. (CONAGRA S…
003-SENASA	Xentari WDG	*Bacillus thuringiensis var. Aizawai*	EE.UU.	Bayer S.A.
005-SENASA	Hunter	Extractos vegetales	EE.UU.	Silvest…
006-SENASA	Biostat	*Paecilomyces lilacinus*	Colombia / Perú	Serfi…
007-SENASA	Turilav WP	*Bacillus thuringiensis var. Kurstaki*	Colombia / Perú	Se…
008-SENASA	Vektor	*Entomophthora virulenta*	Colombia	
009-SENASA	Lepibac 10 PM	*Bacillus thuringiensis var. Kurstaki*	España / China	…ú S.A.C.
011-SENASA	Dipel 2X	*Bacillus thuringiensis var. Kurstaki*	EE.UU.	
012-SEBASA	Aminofol	AATC + Acido fólico	Italia	
014-SENASA	Baturnex	*Bacillus thuringiensis var. Kurstaki*	Perú	
015-SENASA	Bactucide	*Bacillus thuringiensis var. Kurstaki*	España	…m S.A.C.
016-SENASA	RyzUp	Acido giberélico	EE.UU.	Bayer S.A.
017-SENASA	NoMate PBW cebo	Gossyplure	EE.UU.	Serfi S.A.
018-SENASA	Gorrión 2X	*Bacillus thuringiensis var. Kurstaki*	Perú	Serfi S.A.
019-SENASA	Acigib	Acido giberélico	Gran Bretaña	Farmagro S.A.
020-SENASA	Buminal	Proteina hidrolizada	Alemania	Bayer S.A.
022-SENASA	Biobit HP WP	*Bacillus thuringiensis var. Kurstaki*	EE.UU.	Tecnologia Química y C…
023-SENASA	Bt-2X	*Bacillus thuringiensis var. Kurstaki*	EE.UU.	Serfi S.A.
024-SENASA	Bioplus	Quitosano	Perú	Naturagro S.A.
025-SENASA	Micosplag	*Beauveria bassiana + Metarhizium anisopliae + Paecilomyces lilacinus*	Colombia	Serfi S.A.
026-SENASA	N-Large	Acido giberélico	EE.UU.	Stoller Perú S.A.
028-SENASA	Satisfy	Acido indol 3 butirico + Kinetina + Acido giberélico	EE.UU. / Perú	Stoller Perú S.A.
029-SENASA	Taxi-Oil	Aceite vegetal (Aceite de soja)	Perú	Drokasa Perú S.A.
030-SENASA	Activol	Acido giberélico	Irlanda	Tecnologia Química y C…
031-SENASA	Rapifol	Acido giberélico	China	Industria Tecnológica Ag… (ITAGRO)
032-SENASA	K-OIL V-20	Aceite vegetal (Aceite de soja)	Perú	Soc. An. Fausto Piaggio
033-SENASA	PHLM-A1	Proteina hidrolizada	Perú	A-1 del Perú S.A.
034-SENASA	Brocaril	*Beauveria bassiana*	Colombia	Serfi S.A.
036-SENASA	Tricho-D	*Trichoderma harzianum*	Colombia	Serfi S.A.
037-SENASA	Dipel 54 WG	*Bacillus thuringiensis subesp. Kurstaki*	EE.UU.	Bayer S.A.
042-SENASA	Biozyme TF	Auxinas + Citoquininas + Giberelinas + Extractos vegetales y fitohormonas + microelementos	México	Arysta Lifescience Perú
043-SENASA	Desfan 100 Agrícola	Extracto cítrico	Perú	Industrial Vetsi InterPerú
044-SENASA	Broder	*Bacillus thuringiensis var. Kurstaki*	China	Comercial Andina Indust…
045-SENASA	DK-GIB	Acido giberélico	China	Drokasa Perú S.A.
046-SENASA	Bacistok	*Bacillus thuringiensis var. Kurstaki* strain Z-52	India / China	Industria Tecnológica Ag… (ITAGRO)
047-SENASA	NewLure	Proteina hidrolizada	EE.UU.	Serfi S.A.
048-SENASA	Promalina	Giberelinas + Citoquininas	EE.UU.	Bayer S.A.
049-SENASA	Agroil	Aceite vegetal (Aceite de soja)	Perú	Química Suiza S.A.
050-SENASA	Fitaminas	Auxinas + acidos nucleicos	Perú	Comercial Andina Indust…
051-SENASA	Bacillus MI Perú WP	*Bacillus thuringiensis var. Kurstaki*	China	Manejos Integrados del …
052-SENASA	Rapid Root	Acido Indol Butírico	EE.UU.	Consorcio Agropecuario (CONAGRA S.A.C.)
053-SENASA	Ditera 90 WG	*Myrothecium verrucaria*	EE.UU.	Bayer S.A.
054-SENASA	Gibagrin	Acido giberélico	China	Agrinor S.A.C.
055-SENASA	Cytex	Citoquininas	EE.UU.	Consorcio Agropecuario (CONAGRA S.A.C.)
056-SENASA	NoMate PBW Mec	Gossyplure	EE.UU.	Serfi S.A.
057-SENASA	Root-Hor	Auxinas + Acidos nucleicos	Perú	Comercial Andina Indust…
058-SENASA	Sanix	Betaina	Perú	Comercial Andina Indust…
059-SENASA	BIG-HOR	Auxinas + Acido giberelico + Acidos nucleicos + aminoacidos	Perú	Comercial Andina Indust…
060-SENASA	BC 1000 Liquido	Acido ascorbico + Bioflavonoides citricos + Acido citrico, pectina cítrica y azucares + Residuos vegetales citricos	Brasil / Chile	Chemie S.A.
061-SENASA	BC 1000 Polvo	Acido ascorbico + Bioflavonoides citricos + Acido citrico, pectina cítrica y azucares + Residuos vegetales citricos	Brasil / Chile	Chemie S.A.
062-SENASA	Tec-Bacillus	*Bacillus thuringiensis var. Kurstaki*	India / España	Corporación Bioquímica
063-SENASA	Crecisac	Acido giberélico	Chile	Hortus S.A.
064-SENASA	Gib-Liq	Giberelinas + Extracto de algas	Perú	Comercial Andina Indust…
065-SENASA	DK-GIB 40 L	Acido giberélico	México	Drokasa Perú S.A.
066-SENASA	QL-Agri 35	Extracto de quillay	Chile	Basf Peruana S.A.
067-SENASA	Ergovit	AATC + Acido fólico	Argentina	Neo Agrum S.A.C.
068-SENASA	Polar	Polyoxin complex	Japón	Hortus S.A.
069-SENASA	Berelex	Acido giberélico	EE.UU.	Bayer S.A.
070-SENASA	Gibbac 10%	Acido giberélico	China	Manejos Integrados Perú S.A.
071-SENASA	Stimplex	Citoquininas	Perú	Química Suiza S.A.
072-SENASA	Bacillus Agrin	*Bacillus thuringiensis var. Kurstaki*	China	Agrinor S.A.C.
074-SENASA	Urpi	*Metarhizium anisopliae + Paecilomyces*	Perú	Serfi S.A.

Voltar para os resultados da pesquisa

Última atualização do produto: 27/05/2022

Hunter

Este produto biológico foi registrado para uso no Brasil por Ministério da Agricultura, Pecuária e Abastecimento

Número do Registro	Categoria	Nome do registrante	Fabricante	Ingrediente ativo
10115	Macrobial	Koppert do Brasil Holding	Koppert do Brasil Holding	Beauveria bassiana Trichogramma pretiosum

Informação do produto

Etiqueta

Ficha de informações de segurança

Ficha técnica do produto

Detalhes do Distribuidor

https://www.koppert.com.br/

Koppert do Brasil Holding
Rodovia SP-135,
13420-280 Piracicaba/SP Margarida da Graça Martins s/n km 17,5,

+551931243677

comunicacao@koppert.com.br

Aceito para uso por

Rainforest Alliance

Permitido para uso

Outros usos permitidos

Ver por cultivo Ver por praga

Uso permitido para todas as culturas

Establishing partnerships at national and regional level is essential to join efforts with our member countries to tackle priority areas

PROCISUR
Cooperación que da resultados

¿QUÉ ES PROCISUR? LÍNEAS ESTRATÉGICAS PROYECTOS BIBLI

INTENSIFICACIÓN SOSTENIBLE CAMBIO CLIMÁTICO AGRICULTUR

September 4, 2025 Wayne Coles No Comments

CABI strengthens regional collaboration in Latin America to help advance sustainable agriculture and food security

All news and blogs | CABI News | CABI Blog | PlantwisePlus Blog | Invasives Blog | Media Centre

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DISCLAIMER

Delivering the Strategy in the Caribbean Regional Highlights and Plans

Naitram (Bob) Ramnanan, Regional Representative and IAS Coordinator

16 September 2025

Member Countries in the Caribbean

Anguilla

Bahamas

Barbados

Bermuda

British Virgin Islands

Grenada

Guyana

Jamaica

Montserrat

St. Helena

Trinidad & Tobago

Inter-Centre collaboration to support the work of the Region

Africa: invasive species; project development e.g. SPS

Brazil: Plantwise, IPM of Croton Scale

United Kingdom: Pest diagnostics, information and training, Admin support, project development CIASTF, PRISE

Switzerland: Project development e.g. Paddy Rice Bug


Improve the food security and livelihoods of smallholder communities
1
Help communities adapt to the impacts of climate change
2
Reduce inequality through better opportunities for rural women and youth
3
Safeguard biodiversity and support the sustainable use of natural resources
4
Increase the reach, application and impact of science in agriculture and the environment
5

Key Highlights in Delivering CABI's Goals in the Caribbean Region

MC Benefits: Diagnostic Support

Country	Enquiry/host	Number of Samples				Description
		2022	2023	2024	2025	
Barbados	Insects		1			
	Plants	5	4, 1E	4	7	Kale, Cassava, Banana, Yams, S.P., Okra
Bahamas	Plants		1E			Tomato
Guyana	Plants	4	1E			Rice, weeds/red rice
Grenada	Insects			7	4	
	Plants	1				Maize
Jamaica	Fungal	1E				
	Nematodes	1E				
	Plants		2E	3	1E	Coconut, Sorrel, Okra, Watermelon
Trinidad	Fungal	7				
	Insect	6				
	Fungal Cultures	11	20			Cocoa, TR4, DNA

MC Benefits: Training

Webinars

2025: Writing effective policy briefs from your research: 24 September 2025

2024: Biopesticide registration for CABI MC in the Caribbean. 4 parts that lead to the development of a road map for registering biopesticides in the Caribbean.

2024: Science Communication for researchers: 5 part series

2023: Guidelines for isolation and identification of *Fusarium oxysporum f.sp cubense* Tropical Race 4 from banana, 10 November 2023.

Master of Advance Studies ICM: **xx** trained

Certificate of Advance Studies in ICM: **xx** trained

Projects

- Plantwise
- Biosecurity in the UKOT
- RSPB Biosecurity Training course
- Croton Scale
- Conserving Barbados' Endemic Reptiles
- IAS Barbados and the OECS

Plantwise

Regional Pest Risk Analysis Training Programme

Goals

1. Training on pest- initiated PRA

2. To develop PRAs on 4 priority pests, pathways and a biological control agent for the Caribbean region

3. To introduce PRA decision support tools: the CABI Compendium, Horizon Scanning Tool and PRA Tools

4. To introduce the concept of the regional pest risk register and Pest Risk Monitoring

Biosecurity in the UKOT

Review of biosecurity at air and seaports in 5 UKOTs

- Inspection of all relevant infrastructure, and equipment at air and sea ports
- Reviewed Bio-security practices in place specific to plants and animals
- Conduct basic risk management
- Recommendations for enhancing biosecurity at both air and seaports.

RSPB Biosecurity Training course

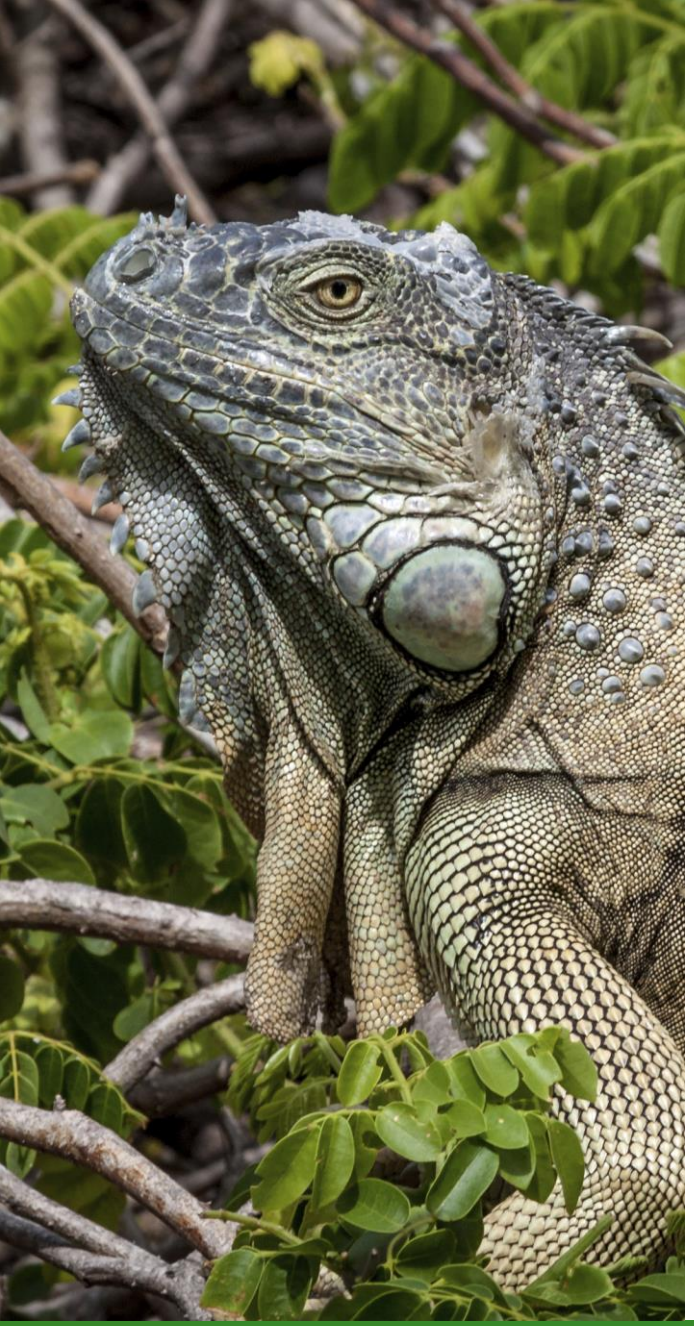
Biosecurity officer training programme for 5 Caribbean UKOTS

- Develop a Training of Trainers Biosecurity course for the Caribbean UKOT
- Deliver face to face training to biosecurity officers, customs, vet services, plant quarantine, wildlife/forestry and public health: November 2025
- Virtual discussion sessions on selected topics to share information and experiences to improve 5 national biosecurity systems
- Possibility of making this available via a CABI Academy course to wider Caribbean

Croton Scale

Integrated Pest Management of Croton Scale Insect

- Detected in mid-2020
- Arrived via imported ornamental plants from Florida,USA
- Confirmed as *Phalacroccus howertoni*
- Sandals Foundation, and Plantwise funded the development of an IPM strategy and trained farmers in its adoption
- Significant success in its control with minimal pesticides
- Demonstrated sustainability of nature-based solutions and what a functional CIASTF can do to manage IAS in the Caribbean.



Conserving Barbados' Endemic Reptiles (CEBER)

Reducing the threats to endangered reptiles from habitat loss and Invasive Alien Species (IAS) through enhanced biodiversity governance and strengthened bio-security in Barbados

- Support the development of the National Biodiversity Bill and associated polices and regulations.
- Raise awareness of the impact of IAS on endemic reptiles and establish a Reptile Conservation Centre at ragged point
- Train nationals on biodiversity conservation
- Install a biosecure fence at Ragged Point and implement a Species Recovery Plan
- Survey for the thread snake was successful as two confirmed for the first time in over 20 years

Preventing the COSTS of IAS in Barbados and the OECS

The project's goal is to manage the risks and COSTS of IAS on important ecosystems, species and genetic diversity in Barbados and the OECS region.

The project's objective is the development of "Prevention, early detection, control and management frameworks for invasive alien species (IAS) that emphasize a risk management approach by focusing on the highest risk invasion pathways of Barbados and OECS countries".

Risk assessment of high-risk pathways completed

- Marine Risk Assessment
- Ornamental Horticulture
- Pet and aquaria trade
- **International Trade:** focused on the risks posed by trade in used equipment and vehicles; tires; wood and wood products and agricultural commodities
- Passenger luggage

Control and management of key IAS in Antigua and Barbuda

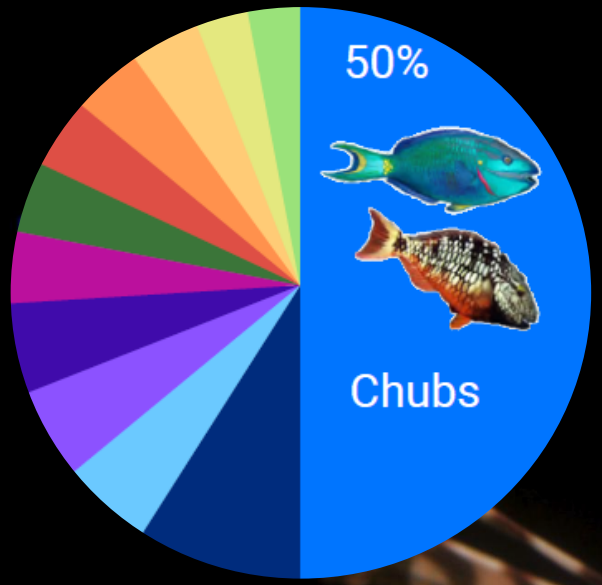
Eradication of IAS from Redonda, Green Island Smith Island and Maiden Island.

Establishment of new and **improved biosecurity mechanisms** on Redonda and other critical offshore islands to detect and prevent incursions by IAS

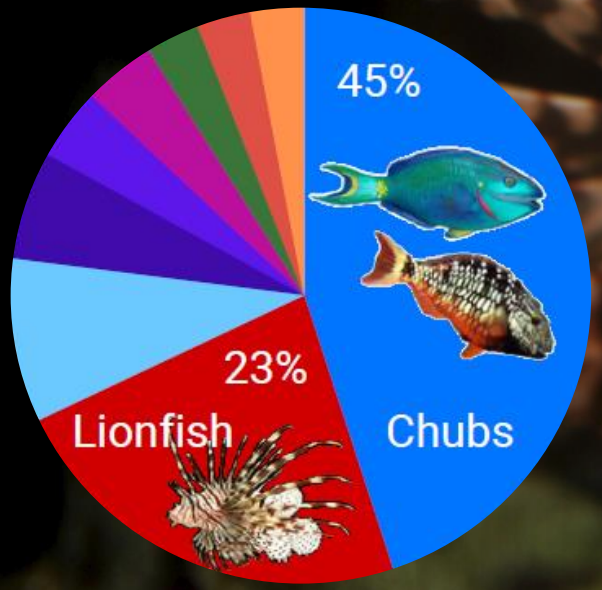
Two years after eradication of rats and goats on Redonda:

- 6 fold increase in Redonda Ground Lizard;
- Appox. 50% increase in seabird population
- 10 fold increase in vegetative cover

Redonda declared as a **national protected area**.



Pre-invasion



Post-invasion

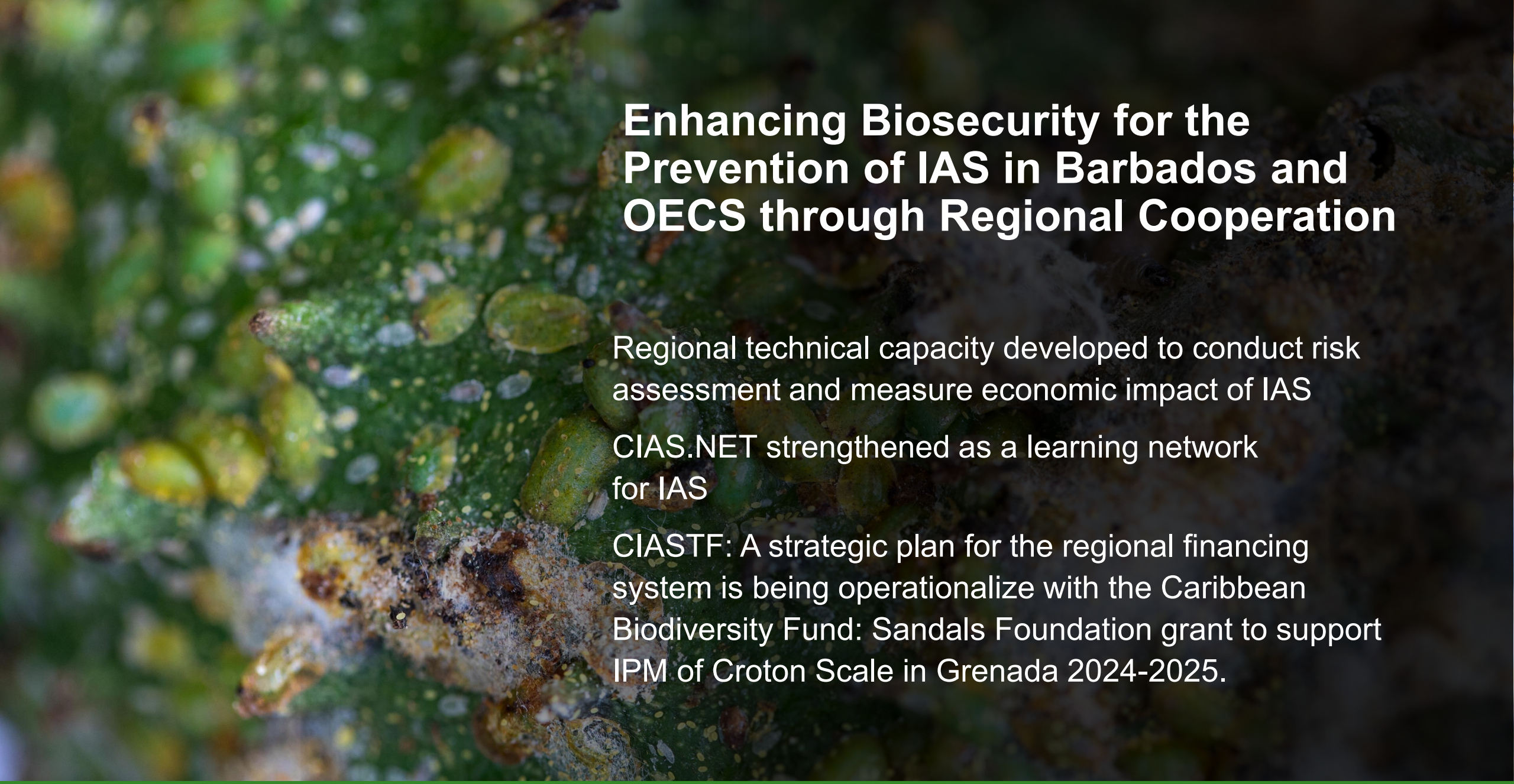
Lionfish Assessment and Management in High Biodiversity Value Reefs in Barbados

Lionfish

- Densities have remained relatively low
- Have not damaged reef fishes important to coral reef health
- Have not affected the quantity of fish being caught by reef fishers
- Is effectively controlled by spear fishing

Control of invasives (mongoose, rats, cats and dogs) in Hawksbill nesting site at Bath Beach in Barbados

1. Key stakeholders trained in effective trapping
2. Predation rates of 39.7% before control reduced to 9.7% after control
3. Significant reduction of predation pressure during 2nd monitoring phase (after target species control)
4. Successful control continues post-project via local community group



Enhancing Biosecurity for the Prevention of IAS in Barbados and OECS through Regional Cooperation

Regional technical capacity developed to conduct risk assessment and measure economic impact of IAS

CIAS.NET strengthened as a learning network for IAS

CIASTF: A strategic plan for the regional financing system is being operationalize with the Caribbean Biodiversity Fund: Sandals Foundation grant to support IPM of Croton Scale in Grenada 2024-2025.

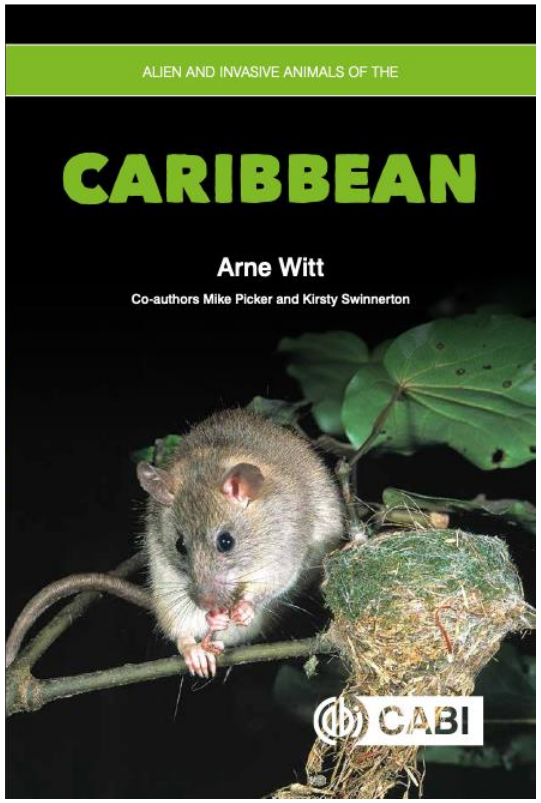
Tools to enhance surveillance and prevention of IAS in the Caribbean developed and distributed

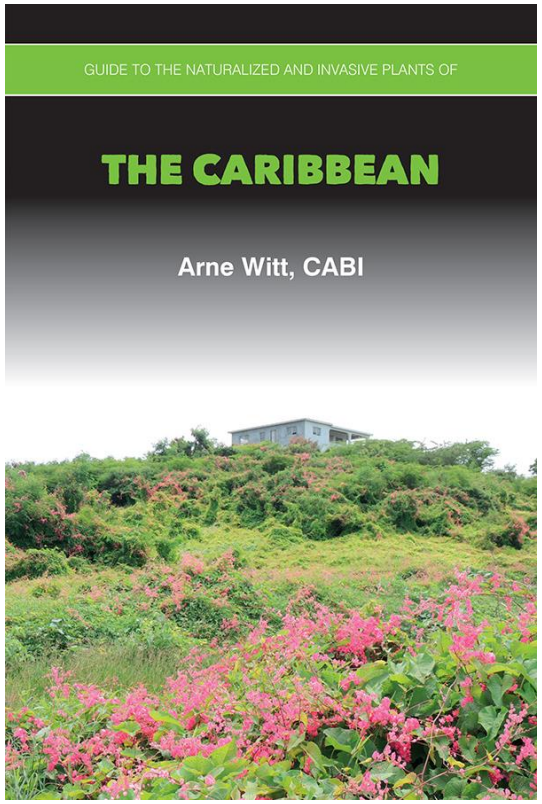
Caribbean Bio-security Interception System (CBIS) developed and scaled up by the USDA/CPHD to the wider region.

Field guides:

Alien and Invasive Animals of the Caribbean

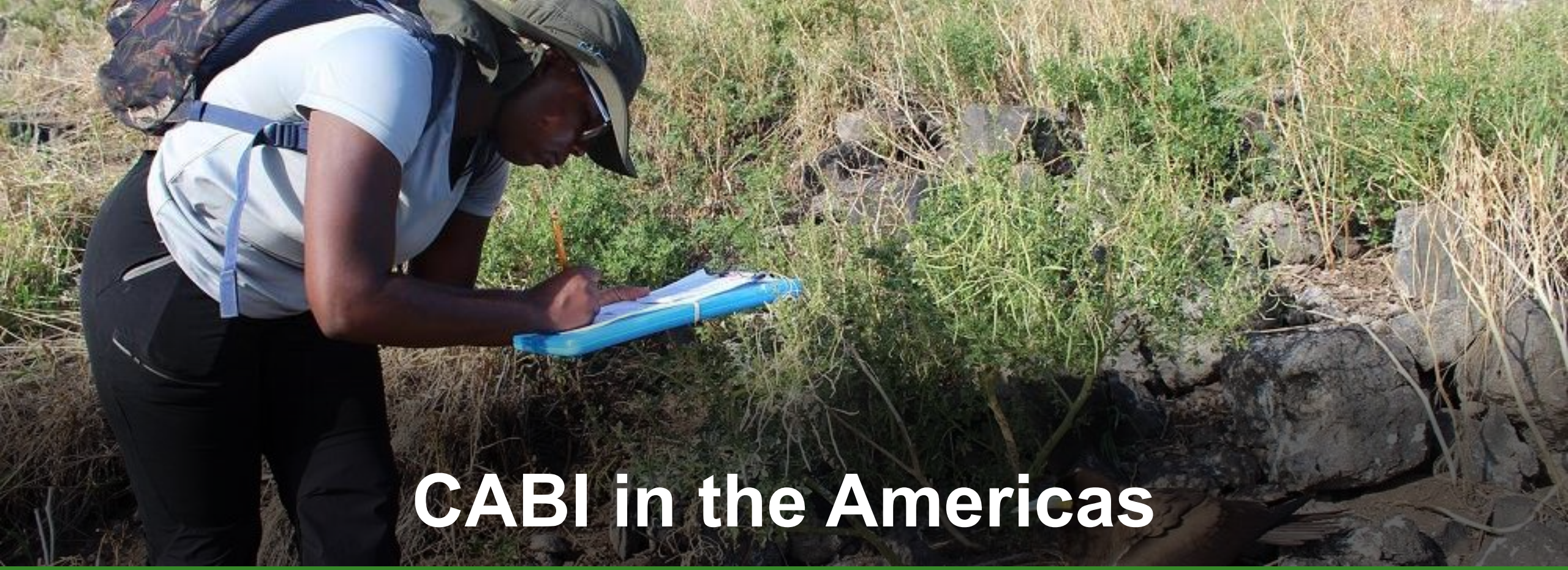
Guide to Naturalized and Invasive Plants of the Caribbean





Projects developed with partners for funding

- PRISE/CARDI/Bahamas
- Paddy rice bug in Guyana
- CIASTF with CBF



CABI in the Americas

Delivering the strategy in our region

Dr. Richard (Dick) Shaw (CABI)

CABI Regional Consultation

September 2025

KNOWLEDGE FOR LIFE

CABI

Challenges

The region benefits from the whole of CABI not just the team you see here but we need to grow our footprint to better serve MCs

Funding

- General – reducing availability and fragmented
- Specific to Plantwise – region not prioritised

Trying to partner when funding is tight (also an opportunity)

Opportunities

Bioprotection pipelines for MCs.

Plantwise classic and PW+ alternate funding models

Invasive Species – CIASTF

Digital tools as a Country level service/ AI to support evidence-based policy making

South-South cooperation across the CABI family

Microbiome learnings

Pesticide Risk Reduction – see tomorrow!

CABI as an international intergovernmental not-for-profit organization, gratefully acknowledges the generous support received from our many donors, sponsors and partners. In particular we thank our Member Countries for their vital financial and strategic contributions.