



Core activities for 2022 and 2023/Projects/Actions in LAC

35TH TECHNICAL CONSULTATION AMONG RPPOS

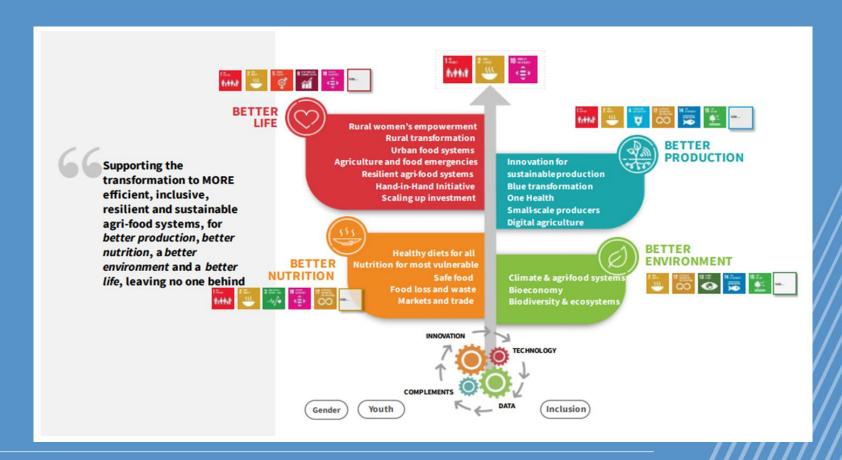
24 to 27 October 2023

Bogotá, Colombia

Raixa Llauger, Melvin Medina, Jaime Cárdenas FAO







SDG ALIGNMENT



How does the dissemination and pest and diseases management affect the SDGs?

















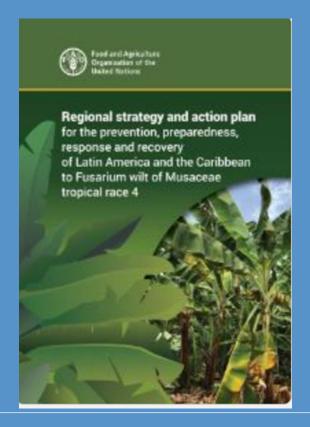


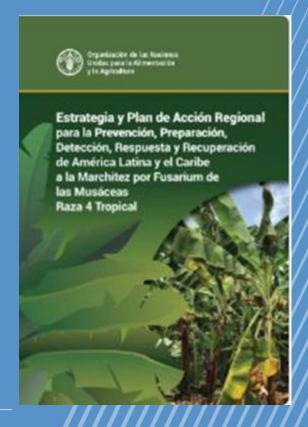




Fusarium Wilt of Musaceae - Race 4 Tropical PROGRAMS

Regional Strategy and Action
Plan for the Preparation,
Prevention, Detection,
Response and Recovery in
Latin America and the
Caribbean to Fusarium Wilt
of Musaceae - Race 4
Tropical





2021-2030: LAC countries, with emphasis on those who produce and export Musaceae





- FAO participation in Meetings and Workshops at the Latin American and Global level.
- Mobilization of resources for cooperation projects.
- ❖ Articulation with the NPPOs and RPPOs (OIRSA and CAN) of Latin America, as well as with WBF, IPPC, CIAT-BIOVERSITY, AGROSAVIA, IICA and other scientific institutions and international organizations.



Plenaria final del Taller Regional de la CIPF LATAM 2023.



9° Congreso Internacional de Banano CORBANA



WORKSHOP WBF



FORUM BANANERO 2022.COLOMBIA





- Articulating with the Private Sector.
- South-South Cooperation for technical assistance mechanisms with LAC and Global Experts.
- Implementation of capacity development (Simulations, Biosafety Kits, Diagnostics and Drones).
- Communication actions in networks, as well as publications.



Delivery of Biosafety Kits in Arauquita, Colombia.



Course of TR4 & Simulations in

Bolivia



TECHNICAL MISSION PIURA PERU









South South Cooperation support countries to strengthen their diagnostic systems, early warning systems and surveillance at entry points. Prepare a risk analysis and implement mitigation measures / Nicaragua.











Workshop for the institutional articulation of the document under joint construction with IPSA, SINAPRED, FAO and OIRSA for action protocols before, during and after dangerous phytosanitary events, using as a pilot disease the eventual introduction of TR4, as well as National ARP for TR4.













REGIONAL ACTION SIMULATIONS TR4. Nicaragua, April 23 to 29, 2023







11 Countries from the LAC region participated in the regional Simulations.





Core Activities Fusarium wilt TR4 2022-2023 / LAC Emergency Response Venezuela. 2023



















Farmer Field Schools training on management of TR4. Colombia-Venezuela. Santa Marta 2023.









Capacity Building in TR4 / Ecuador 2022-2023



A National Training Ecuador. August 1 to 6, 2022





"Simulations by Streaming Foc R4T" en Machala El ORO.2023







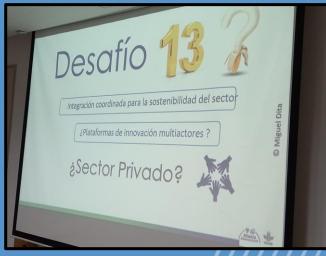


Capacity Building in TR4 /CALI.COLOMBIA. 2023















TR4 - Challenges/

CALI.COLOMBIA.2023



- 1. Surveillance and detection. Presence od races 1, 2, Moko, "Erwinia" & vascular complexes. Intensive training at farmer's level.
- **2. TR4 diagnostic**. A regional agreement on what would be the standard diagnostic (s) still needed. Establish diagnostic to other quarantine pests BBTV et al.
- **3. Rapid responses**. National and regional preparedness are essential. Simulation exercises have proved to be useful. Implement it on smallholders' settings still a challenge. Products alternative to urea needed.
- **4.** Access to disease-free planting material. Develop solid banana seed systems to facilitate grower's access to "clean" planting material. Opportunities for community based banana nurseries.
- 5. Biosecurity. Challenging for smallholders. ¿Organics?
- 6. Bioproducts/bio-inputs & soil health. Develop, validate and promote the use of on "native" microorganisms as part of soil health strategies. Opportunities for Public-Private Partnerships
- 7. Resistant varieties. Strong/unique focus on Cavendish. Efforts on other local varieties critical for food security i.e Plantains urgently needed. Plantains need to be evaluated under field conditions
- 8. Crop replacement (reconversion options). What crops? Who trains affected farmers to be competitive on a new crop? Opportunities for soft loans/Phytosanitary insurance. I&D
- **9. Quarantine periods**. How long does the plant eradication intervention last? How to determine it, which criteria? What to do with farmers who only has that quarantined land for livelihoods?
- 10. Legal framework for research on TR4. So, researchers are ready do research and answer immediate needs once the pathogen is detected
- 11.Extension: agricultural extension to support pest management, biosecurity measures and other related phytosanitary actions.







WEBINAR	
Present and future action against Fusarium wilt of tropical musaceae, race 4	
October 4, 2023	

Presentaciones	Panelistas
Presentación de la Comunidad de Práctica	Javiera Suárez Especialista producción Sostenible FAO
La biodiversidad del suelo: un aliado para combatir enfermedades y plagas en Musáceas	Martha Bolaños Experta en Manejo-Conservación de Suelos, AGROSAVIA
Importancia de los análisis de riesgos (etapas)	Nancy Villegas Jiménez Coordinadora Regional de Análisis de Riesgo, OIRSA
Planes de respuesta, sus protocolos y procedimientos	Martin Rosales Responsable Vigilancia Fitosanitaria y Campañas de la Dirección de Sanidad Vegetal y Semillas, IPSA
Nuevo standard de Bioseguridad para FocR4T	Leonardo Ferrer Gerente Técnico de Cuentas Clave, Colombia y Panamá, Global G.A.P

Initiative promoted by the FAO Regional Office for Latin America and the Caribbean and by OIRSA, AGROSAVIA and CIAT-Bioversity.

Sitio web: https://www.fao.org/americas/eventos/ver/es/c/1651116/

Nota de prensa:

https://www.fao.org/americas/noticias/ver/en/c/1652589/



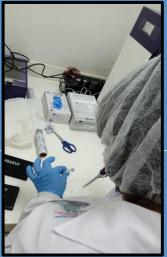


Core Activities in HUANGLONGBING (HLB) PROGRAMS NICARAGUA.2022.

❖ South South
Cooperation for
updating Citrus HLB
Diagnostic Protocols /
Nicaragua/Colombia.









FAONicaragua @F... · 02 dic.
En el marco de la misión internacional de FAO para la preparación y respuesta a amenazas fitosanitarias, hoy, junto al @IpsaNicaragua se realizó prueba rápida con yodo para detectar HLB en campo con el acompañamiento de la Dra. Lumey Pérez de @SomosAGROSAVIA Colombia.















Core Activities *Trogoderma granarium* (gorgojo khapra). San Pedro Sula.Honduras. 2023























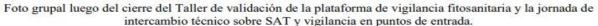
Workshop in Early Warning Systems (EWS) PANAMÁ

















Core Activities in Central American Locust



CENTRAL AMERICAN LOCUST Schistocerca piceifrons piceifrons (WALKER) (ORTHOPTERA: ACRIDIDAE) THREAT AND MANAGE-MENT STRATEGIES



Poster: Population Biology & Management

Raixa Llauger¹ & Jaime Cárdenas²

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14th International Congres of Orthopterology Yucatan, Mexico October 16 to 19, 2023







Publications & Communications

Podcast





FAO Mesoamérica @FAOMesoamerica - 12 may. Descubre de la voz de @CardenasLisime Especialista de Sanidad Vegetal de FAO. Vegetal de FAO. Cómo el cambio climático intensifica las amenazas para la sanidad vegetal y conoce las plagas que representan una creciente amenaza para nuestros cultivos. #DiaDeLaSanidadVegetal Daime Cardenas Lespecialista en Sanidad Vegetal en FAO 0:06





Posters







Publications & Communications

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12 05 23	PANAMÁ AMÉRICA	Fortalecer los esfuerzos en sanidad vegetal	https://www.panamaamerica.com.pa/opinion/fortalecer-los-esfuerzos-en-sanidad- vegetal-1221791
			https://www.prensa-latina.cu/2023/05/11/clave-sanidad-vegetal-para-reducir-hambre-y-
12 05 23	PRENSA LATINA	Clave sanidad vegetal para reducir hambre y pobreza	pobreza
12 05 23	EL MUNDO	Fortalecer los esfuerzos en sanidad vegetal	https://elmundo.cr/opinion/fortalecer-los-esfuerzos-en-sanidad-vegetal/
			https://www.elobservador.com.uy/nota/fortalecer-los-esfuerzos-en-sanidad-vegetal-
12 05 23	EL OBSERVADOR	Fortalecer los esfuerzos en sanidad vegetal	<u>202351513444</u>
			https://www.elimpulso.com/2023/05/15/opinion-fortalecer-los-esfuerzos-en-sanidad-
12 05 23	EL IMPULSO	Fortalecer los esfuerzos en sanidad vegetal	vegetal-15may/
			https://www.infobrisas.com/noticias/2023/05/16/55548-fortalecer-los-esfuerzos-en-
16 05 23	INFOBRISAS	Fortalecer los esfuerzos en sanidad vegetal	sanidad-vegetal
			https://www.telam.com.ar/notas/202305/628497-nota-opinion-fao-sanidad-
12 05 23	TELAM	Fortalecer los esfuerzos en sanidad vegetal	vegetal.html
		Día de las Frutas: protección fitosanitaria para las	https://www.laestrella.com.pa/opinion/columnistas/230503/dia-frutas-proteccion-
03 05 23	LA ESTRELLA DE PANAMÁ	musáceas	<u>fitosanitaria-musaceas</u>
		Día de las Frutas: protección fitosanitaria para las	https://elmundo.cr/opinion/dia-de-las-frutas-proteccion-fitosanitaria-para-las-
03 05 23	EL MUNDO	musáceas	musaceas/
		Día de las frutas: protección fitosanitaria para las	https://www.eleconomista.net/actualidad/Dia-de-las-frutas-proteccion-fitosanitaria-
03 05 23	EL ECONOMISTA	musáceas	para-las-musaceas-20230502-0013.html
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		Frente al Fusarium Raza 4 Tropical: La Resilencia de la	https://www.elimpulso.com/2023/09/26/opinion-frente-al-fusarium-raza-4-tropical-la-
23 09 23	EI IMPULSO	Agricultura y la Cooperación Internacional	resilencia-de-la-agricultura-y-la-cooperacion-internacional-26sep/
		Frente al Fusarium Raza 4 Tropical: la resiliencia de la	https://www.elnacional.com/opinion/frente-al-fusarium-raza-4-tropical-la-resiliencia-de-
26 09 23	EL NACIONAL .	agricultura y la cooperación internacional	la-agricultura-y-la-cooperacion-internacional/
		Frente al Fusarium Raza 4 Tropical: la resiliencia de la	https://elmundo.cr/opinion/frente-al-fusarium-raza-4-tropical-la-resiliencia-de-la-
25 09 23	EL MUNDO	agricultura y la cooperación internacional	agricultura-y-la-cooperacion-internacional/
		Frente al Fusarium Raza 4 Tropical: la resiliencia de la	https://www.prensa-latina.cu/2023/09/26/resiliencia-de-la-agricultura-y-la-cooperacion-
26 09 23	PRENSA LATINA	agricultura y la cooperación internacional	internacional



FAO in Mesoamerica supports actions to manage pests in crops*Panama City, July (Prensa Latina) Mesoamerica strengthens programs to manage pests and diseases, which, added to an unpredictable climate and poorly managed soils, put today in risk the food security of the region.https://www.prensalatina.cu/2022/07/12/



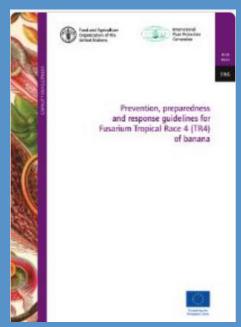


Publications & Communications

Curso de autoaprendizaje: Buenas Prácticas de Gestión del Riesgo Fitosanitario



Prevention, preparedness and response guidelines for Fusarium Tropical Race 4 (TR4) of banana



IPPC Secretariat. 2023. Prevention, preparedness and response guidelines for Fusarium Tropical Race 4 (TR4) of banana. Rome. FAO on behalf of the Secretariat of the International Plant Protection Convention. https://doi.org/10.4060/cc4865en

"International course on Fusarium
Tropical Race 4 (TR4) of Banana". Bolivia.
Canal de Youtube: FUSARIUM - YouTube









STDF funds projects have been approved in several countries including Jamaica (hot pepper) and Grenada (soursop).

Improving Phytosanitary, Food Safety and Market Access Opportunities Along the Hot Pepper Value Chain in Jamaica MTF/JAM/023/STF.

- Conduct gap assessment on the Jamaica hot pepper industry to establish a baseline for the project including pest & diseases currently affecting hot peppers.
- Develop a Hot pepper Pest Emergency Response Plan, best practices for prevention of quarantine pest and diseases entry and establishment.
- Develop and execute training on the pest and disease of hot pepper in Jamaica
- **❖** Pest Surveillance Systems and simulations will be executed.
- Sanitary & Phytosanitary Specialist and Pest Emergency Response Expert consultants will be hired.





Soursop Competitiveness Project: Enhancing Sanitary and Phytosanitary Capacity, food safety and market access for Grenadian Soursop Exports through Value Chain

Development

Monitoring, sampling and surveillance systems for pest.

- Diagnosis capacities and facilities for pest.
- Emergency/anticipated action response system including simulations.
- Traceability systems linked to detection of pest.
- Certification systems for free pest/diseases, antimicrobials, pesticides and pathogens (human-born diseases) such as virus and bacteria linked to expand markets.

Budget Requested	USD 298,691
from STDF	
Beneficiary	USD 240,170
Budget (In-Kind)	
FAO Budget:	USD 190,000
Total Project	USD 728,861
Value	

Duration: 3 years
January 2024 –
December 2027





Major Challenges

- ❖ The analysis of the risk of pests must be integrated into the projects and definition of actions and policies.
- Increasingly harmonize the agendas on plant health, climate change and sustainable soil and water management.
- **❖** Timely responses at National Level in the case of pest introductions.
- Diagnostics and surveillance systems.
- Early Warning Systems.
- Surveillance and monitoring Up-to-date availability of plant protection methods in order to respond to transboundary pest outbreaks, environmental impacts (pollution) and ecosystem services maintenance.
- Articulating the plant health agenda between institutions, the private sector and international organizations.





THANK YOU