



Food and Agriculture
Organization of the
United Nations



International
Plant Protection
Convention

CPM
18

Synergies between OIRSA and FAO in the Mesoamerican region

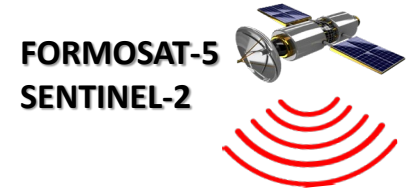
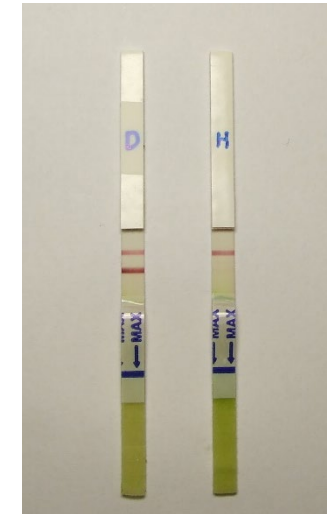
Phytosanitary capacity building for Fusarium TR4

Raixa Llauger/Carlos Urias/ Xavier Euceda/Jaime Cárdenas /Nancy Villegas
OIRSA/FAO-SLM



Phytosanitary capacity building for Fusarium TR4. Mesoamerica Region.

1. **TR4 diagnostic.** PCR (c) + PCR (RT) + Lamp + **PCR digital** y inmunostrips F.TR4 (marzo 2025)
2. **Surveillance and detection.** For land and with unmanned equipment (Drones and satellites). (OIRSA transfer-sept 2024). **Trained Canine units.**
3. **Biosecurity from border crossing to the farm.**
4. **Rapid reaction kits for outbreak eradication and containment.**
5. **Epidemiological Risk Assessment (Risk Maps).** *“Traje a la medida”, (Fit to the need).*
6. **Genetic improvement. Resistant varieties.**





Phytosanitary capacity building for Fusarium TR4. Mesoamerica Region.

7. Hands-on simulation exercises for biosecurity, detection, eradication, containment.
8. Use of artificial intelligence for simulation exercises.
9. International financing of OIRSA Projects: IDB; Taiwan ICDF.
10. STDF (Standards and Trade Development Facility). Project proposal OIRSA -FAO-SECAC.
11. Epidemiological traceability system.
12. Early warning system.
13. Risk communication actions.





Food and Agriculture
Organization of the
United Nations



International
Plant Protection
Convention



CPM
18



Phytosanitary capacity building for Fusarium TR4. Mesoamerica Region.

14. Virtual classroom for trainings.
15. “Phytosanitary Command”. “Unified Command Post”.
16. Regional budget and national emergency.
17. E-learning courses on Fusarium TR4.
18. Simulations and hands-on exercise related to phytosanitary emergencies – methodological guide.





Food and Agriculture
Organization of the
United Nations



International
Plant Protection
Convention



CPM
18



COMMUNITY OF PRACTICE TO Fusarium TR4. 2023

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





Food and Agriculture
Organization of the
United Nations



International
Plant Protection
Convention



CPM
18



Phytosanitary capacity building for Fusarium TR4

- Technical assistance for the management strategy of Banana Fusarium Wilt in Venezuela. IPPC/FAO-SLM/OIRSA



- IPPC hands-on simulation exercise on Fusarium TR4 in Kenya



International
Plant Protection
Convention

IPPC hands-on simulation exercise on Fusarium TR4 in a COMESA country (Under the project "FAO support to COMESA1 trade facilitation programme" – GCP/INT-387-COM (2018-2022))

- Capacity building in Perú, Ecuador, Colombia, and Bolivia. "From theory to action"





Food and Agriculture
Organization of the
United Nations



International
Plant Protection
Convention

CPM
18

Thank for your
attention

Usted puede transportar el **FocR4T**

FocR4T es un hongo que afecta gravemente al cultivo de plátano y banano

Usted puede transportarlo hasta su finca en las llantas de su vehículo o en sus zapatos

Consulte con su servicio agrícola las medidas de bioseguridad para prevenir la dispersión del hongo

Organización de las Naciones
Unidas para la Alimentación
y la Agricultura



Organismo Internacional Regional de
Sanidad Agropecuaria (OIRSA)

Food and Agriculture Organization
of the United Nations (FAO)