

Fusarium TR4 Materials / Materiales sobre Fusarium R4T

Focus	Audience	Type	Title	Subtitle	AUTHOR	Language	LINK
Awareness-raising	Grower/ALL	Flyer	What is Panama TR4?	Learn about the disease and how to identify symptoms in banana plants.	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	Grower	Flyer	Mixed farming on Panama TR4 affected land	How we conduct risk assessments for TR4 infested banana farms growing other crops or grazing cattle	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	Grower	Flyer	Grazing cattle on land with Panama TR4	How we work with growers grazing cattle on TR4 affected land	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	Grower/ALL	Leaflet	Got a job to do on a banana farm?	What you need to do if you access banana farms for work	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Guidance	Grower/workers	Manual	Banana best management practices	Everything you need to know about on-farm biosecurity measures	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Guidance	Grower	Manual	On-farm biosecurity checklist	Rate your Panama TR4 readiness with this checklist	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	Grower	Poster	Visitor register	Record movement of people, vehicles and machinery on, within and off your farm	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	Grower	Poster	Shed poster - Bottle	Remind workers and contractors to maintain on-farm biosecurity measures with these eye-catching shed posters	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	Grower	Poster	Shed poster - Shoes	Remind workers and contractors to maintain on-farm biosecurity measures with these eye-catching shed posters	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	Grower	Poster	Shed poster - Shorts	Remind workers and contractors to maintain on-farm biosecurity measures with these eye-catching shed posters	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	Grower/ALL	Poster	Farm gate signage - actual size (700mm x 530mm)	Printable biosecurity farm gate signs	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	Grower/ALL	Poster	Farm gate signage - A4 size	Printable biosecurity farm gate signs	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	Grower/ALL	Poster	Farm gate signage - A3 size	Printable biosecurity farm gate signs	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Capacity-development	Grower/workers	Manual	Decontamination guide	Learn how to effectively decontaminate people, vehicles and machinery for Panama TR4	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Capacity-development	Grower/workers	Manual	Decontamination guide	Learn how to effectively decontaminate people, vehicles and machinery for Panama TR4	State of Queensland	PUNJABI	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Capacity-development	Grower/workers	Manual	Decontamination guide	Learn how to effectively decontaminate people, vehicles and machinery for Panama TR4	State of Queensland	HMONG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Capacity-development	Grower/workers	Manual	Wash-down designs to combat Panama disease tropical race 4	Design and construction of wash-down facilities for Panama TR4	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	Growers	Leaflet	Surveillance for Panama TR4	What to expect if Biosecurity Queensland visits your farm to conduct surveillance	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	Growers	Leaflet	Check your plants for Panama TR4	Conduct your own on-farm surveillance and report suspect plants	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	Growers	Leaflet	Panama TR4 and the law	Biosecurity Queensland's legislative processes and growers' responsibilities	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	ALL	Form	Sample Presence of Panama TR4 notice	The notice may require the occupier to comply with certain processes and procedures to minimise the biosecurity risk posed by the disease. These operational processes can be individualised to the property.	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Capacity-development	ALL	Leaflet	Diagnosing Panama TR4	How we determine a plant sample is positive for Panama TR4 and the biosecurity processes involved	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Capacity-development	Grower	Manual	Trapping feral pigs on the Cassowary Coast: A practical guide	How to manage feral pigs on your property	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	ALL	Leaflet	Frequently asked questions	Answers to commonly asked questions about Panama TR4	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	ALL	Flyer	The Panama TR4 support service	Who to contact if you need to reach out for emotional support	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	ALL	Flyer	Handy contacts	Service provider and emergency contact numbers for banana growers	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Guidance	ALL	Report	Panama TR4 Program Review	The Queensland Department of Agriculture and Fisheries commissioned ACIL Allen Consulting to conduct an independent review of Biosecurity Queensland's Panama TR4 Program that is currently in place to control and contain Panama TR4. Download the reporting findings here.	State of Queensland	ENG	https://publications.qld.gov.au/dataset/panama-disease-tropical-race-4-grower-kit
Awareness-raising	Grower	Video	Patrick Leahy from Leahy's Bananas shares how his farm is getting ready for Panama TR4	https://www.youtube.com/watch?v=coyLpidqrY8	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Awareness-raising	ALL	Video	Are you Panama TR4 Ready? (2min version)	https://www.youtube.com/watch?v=g0SCrz8kT20	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Awareness-raising	ALL	Video	Are you Panama TR4 Ready? (Short version)	https://www.youtube.com/watch?v=56GweUlgmA	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/

Capacity-development	Grower	Video	On-farm biosecurity - managing footwear	https://www.youtube.com/watch?v=FlxbM4Zb6es	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Awareness-raising	All	Video	The Biosecurity Act	https://www.youtube.com/watch?v=2BVr9fc6O0Q	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Awareness-raising	All	Video	Biosecurity Act 2014: Protecting Queensland's future	https://www.youtube.com/watch?v=OeTNZIXWtrc	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Capacity-development	All	Video	Panama Tropical Race 4: identifying the disease and protecting your farm	https://www.youtube.com/watch?v=onPpPeTGESE	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Capacity-development	All	Video	Panama disease tropical race 4: Identifying and reporting suspect plants	https://www.youtube.com/watch?v=DheDd8J1UE&list=PLpiCDHV-JihHhQEteIfg5xpOJDkvOZEpu&index=7	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Awareness-raising	All	Video	Diagnostic Testing - Panama disease tropical race 4	https://www.youtube.com/watch?v=CflymJqNnDQ	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Awareness-raising	All	Video	Sample Collection and Testing - Panama disease tropical race 4	https://www.youtube.com/watch?v=1z8CQLEEXbk	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Awareness-raising	All	Video	Help shut the gate on Panama disease tropical race 4	https://www.youtube.com/watch?v=hMY95WWyc5w	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Capacity-development	Worker	Video	Biosecure premises: exit and personal decontamination	https://www.youtube.com/watch?v=mjA_3_RtPFM	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Awareness-raising	All	Video	The Panama TR4 Education Package	https://www.youtube.com/watch?v=lpnge3THDBU	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Awareness-raising	All	Video	The Panama TR4 Program	https://www.youtube.com/watch?v=h1LPZx0Z1IQ	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Awareness-raising	All	Video	Panama Disease TR4	https://www.youtube.com/watch?v=evFNHAcFP74	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Awareness-raising	Grower	Video	Banana growers - are you Panama TR4 Ready?	https://www.youtube.com/watch?v=ZQuNYXhwfXU	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Awareness-raising	All	Video	Making biosecurity work for your farm	https://www.youtube.com/watch?v=HTZ75FPyiUc&list=PLpiCDHV-JihHhQEteIfg5xpOJDkvOZEpu&index=4	State of Queensland	ENG/Subtitles available	https://panamatr4ready.com.au/
Guidance	All	Manual	Prevention and diagnostic of Fusarium Wilt (Panama disease) of banana caused by Fusarium oxysporum f. sp. cubense Tropical Race 4 (TR4)	Prepared for the Regional Workshop on the Diagnosis of Fusarium Wilt (Panama disease) caused by Fusarium oxysporum f. sp. cubense Tropical Race 4: Mitigating the Threat and Preventing its Spread in the Caribbean	FAO	ENG	www.fao.org/3/a-br126e.pdf
Awareness-raising	All	Leaflet	GLOBAL PROGRAMME ON BANANA FUSARIUM WILT DISEASE	PROTECTING BANANA PRODUCTION FROM THE DISEASE WITH FOCUS ON TROPICAL RACE 4 (TR4)	FAO	ENG	
Awareness-raising	All	Flyer	COMBATTING FUSARIUM WILT DISEASE OF BANANA	FCC-EMPRES Information Sheets	FAO	ENG/ES/FR	
Awareness-raising	All	Flyer	TASK FORCE ON FUSARIUM TR4	COORDINATING GLOBAL EFFORTS TO PREVENT AND MANAGE THE DISEASE	FAO	ENG/ES/FR	
Guidance	Government	Manual	PLAN DE CONTINGENCIA ANTE UN BROTE DE LA RAZA 4 TROPICAL DE	EN UN PAÍS DE LA REGIÓN DEL OIRSA Versión 2.	OIRSA	ES	
Awareness-raising	Government	Leaflet	The MUSA Technical Working Group	Foc TR4 Fact Sheet	Caribbean Plant Health Directors Forum (CPHD)	ENG	https://drive.google.com/drive/folders/1bXSxFLoV7ejprfLYvT2e6kp11UN2esBA
Awareness-raising	All	Leaflet	Priority Pest Threats to the Region	Fusarium wilt of bananas and plantains - TR4	Caribbean Plant Health Directors Forum (CPHD)	ENG	https://drive.google.com/drive/folders/1bXSxFLoV7ejprfLYvT2e6kp11UN2esBA
Awareness-raising	All	Poster	Can you picture the Caribbean without bananas?	Musa retractable	Caribbean Plant Health Directors Forum (CPHD)	ENG	https://drive.google.com/drive/folders/1bXSxFLoV7ejprfLYvT2e6kp11UN2esBA
Awareness-raising	Growers	Poster	Ayúdenos a evitar el ingreso a Colombia de la marchitez por Fusarium R4T		Instituto Colombiano Agropecuario (ICA)	ES	https://drive.google.com/drive/folders/1qWL_5xo4sSCTTmyqNbpEP_2r7IT1EVUY
Awareness-raising	All	Leaflet	Boletín no. 6: Alerta temprana fitosanitaria FOC R4T	Alerta amarilla: no ha sido detectado en Colombia	Instituto Colombiano Agropecuario (ICA)	ES	https://drive.google.com/drive/folders/1qWL_5xo4sSCTTmyqNbpEP_2r7IT1EVUY
Guidance	All	Manual	Cartilla bioseguridad: conozca los procedimientos en las áreas de producción de banano, plátano y heliconias		Instituto Colombiano Agropecuario (ICA)	ES	https://drive.google.com/drive/folders/1qWL_5xo4sSCTTmyqNbpEP_2r7IT1EVUY
Awareness-raising	All	Leaflet	Lo que usted debe saber sobre la marchitez por Foc R4T	Foc R4t no está en Colombia	Instituto Colombiano Agropecuario (ICA)	ES	https://drive.google.com/drive/folders/1qWL_5xo4sSCTTmyqNbpEP_2r7IT1EVUY
Awareness-raising	All	Poster	La marchitez por Fusarium R4T no está en Colombia	Vigile los síntomas de la enfermedad	Instituto Colombiano Agropecuario (ICA)	ES	https://drive.google.com/drive/folders/1qWL_5xo4sSCTTmyqNbpEP_2r7IT1EVUY
Awareness-raising	All	Leaflet	Conozca la enfermedad que destruye los cultivos de banano y plátano		Instituto Colombiano Agropecuario (ICA)	ES	https://drive.google.com/drive/folders/1qWL_5xo4sSCTTmyqNbpEP_2r7IT1EVUY
Guidance	Grower/workers	Leaflet	Protocolo de desinfección en las fincas productoras de banano de exportación		CENIBANANO Augura	ES	https://drive.google.com/drive/folders/1qWL_5xo4sSCTTmyqNbpEP_2r7IT1EVUY
Guidance	Grower/workers	Leaflet	Protocolo de infraestructura para recibir vistantes		CENIBANANO Augura	ES	https://drive.google.com/drive/folders/1qWL_5xo4sSCTTmyqNbpEP_2r7IT1EVUY
Guidance	Grower/workers	Leaflet	Protocolo para el ingreso de material de siembra		CENIBANANO Augura	ES	https://drive.google.com/drive/folders/1qWL_5xo4sSCTTmyqNbpEP_2r7IT1EVUY
Guidance	Grower/workers	Leaflet	Protocolo para el ingreso de visitantes a fincas productoras		CENIBANANO Augura	ES	https://drive.google.com/drive/folders/1qWL_5xo4sSCTTmyqNbpEP_2r7IT1EVUY
Guidance	Grower/workers	Leaflet	Protocolo para recibir visitantes-viajeros		CENIBANANO Augura	ES	https://drive.google.com/drive/folders/1qWL_5xo4sSCTTmyqNbpEP_2r7IT1EVUY
Awareness-raising	All	Poster	Valla R4T Nariño		Instituto Colombiano Agropecuario (ICA)	ES	https://drive.google.com/drive/folders/1qWL_5xo4sSCTTmyqNbpEP_2r7IT1EVUY
Awareness-raising	All	Poster	Valla R4T Santander		Instituto Colombiano Agropecuario (ICA)	ES	https://drive.google.com/drive/folders/1qWL_5xo4sSCTTmyqNbpEP_2r7IT1EVUY
Awareness-raising	All	Poster	Valla R4T Quindío		Instituto Colombiano Agropecuario (ICA)	ES	https://drive.google.com/drive/folders/1qWL_5xo4sSCTTmyqNbpEP_2r7IT1EVUY

Awareness-raising	All	Video	Cuña Fusarium R4T - Ref 03	https://www.youtube.com/watch?v=oenbbFcZz-Y&list=PLGMkIgZ7VloVHnP5HaPdk3fY50cIRCgn&index=10	Instituto Colombiano Agropecuario (ICA)	ES	
Awareness-raising	All	Video	Cuña Fusarium R4T - Ref 01	https://www.youtube.com/watch?v=lbSqs7wA73M&list=PLGMkIgZ7VloVHnP5HaPdk3fY50cIRCgn&index=12	Instituto Colombiano Agropecuario (ICA)	ES	
Guidance	All	Manual	Integrated farm assurance	Best practices for nurseries	GLOBALG.A.P.	ENG	https://drive.google.com/drive/folders/1nNkoBJUsPFUaDyUrxC57y2h4sPJPK94
Awareness-raising	All	Video	Marchitamiento por Fusarium oxysporum f sp cubense R4T	https://www.youtube.com/watch?v=JGXQx512QIE&feature=youtu.be	CORBANA & MAG San José, Costa Rica	ES	
Awareness-raising	All	Video	ICA: Mal de Panamá	https://www.youtube.com/watch?v=C-zBp2fZs7M	Asociacion de Bananeros de Colombia (AUGURA)	ES	
Awareness-raising	All	Video	Medidas para evitar la llegada del Fusarium R4T a Colombia	https://www.youtube.com/watch?v=JCj7j6a4Rg	Asociacion de Bananeros de Colombia (AUGURA)	ES	
Awareness-raising	All	Video	Hongo Fusarium Raza 4 Tropical	https://www.youtube.com/watch?v=MBs4FxTrjCw	AGROCALIDAD Ecuador	ES	
Awareness-raising	All	Video	Medidas de Prevención Fusarium 1	https://www.youtube.com/watch?v=EXoCTFDnYYQ	AGROCALIDAD Ecuador	ES	
Awareness-raising	All	Video	Prevención Fusarium R4T	https://www.youtube.com/watch?v=hEN2ValJKHE	AGROCALIDAD Ecuador	ES	
Awareness-raising	All	Video	Medidas de Prevención Fusarium 2	https://www.youtube.com/watch?v=yPZlv2obNFU	AGROCALIDAD Ecuador	ES	
Awareness-raising	All	Video	Evitemos el Ingreso de Fusarium R4T al Ecuador	https://www.youtube.com/watch?v=fzQ9RBkMCtE	AGROCALIDAD Ecuador	ES	
Awareness-raising	All	Video	Medidas de Prevención Fusarium 3	https://www.youtube.com/watch?v=srdali9aV_Q	AGROCALIDAD Ecuador	ES	
Guidance	Government	Manual	Plan Nacional de Contingencia para Fco R4T, Ecuador		AGROCALIDAD Ecuador	ES	http://www.agrocalidad.gob.ec/wp-content/uploads/2014/07/PlanteContingenciaCompletoRevison11.pdf
Guidance	Government	Manual	MEDIDAS FITOSANITARIAS DE PREVENCIÓN PARA PLAGAS EMERGENTES EN ECUADOR	Fusarium oxysporumf.sp.cubenseRaza 4 Tropical (Foc R4T)	AGROCALIDAD Ecuador	ES	https://www.ippc.int/static/media/files/publication/es/2017/09/5.2.2_a_Foc_R4T_Ecuador.pdf
Awareness-raising	Growers	Poster	Fusarium R4T es una de las 10 plagas más importantes en la agricultura, prevengamos su ingreso al país.	#AgrocalidadPreviene	AGROCALIDAD Ecuador	ES	https://pbs.twimg.com/media/DyLkrqKWsAEO-CL.jpg
Awareness-raising	Growers	Poster	Agrocalidad cuenta con laboratorio de Biología Molecular para el diagnóstico de Foc R4T	#AgrocalidadPreviene	AGROCALIDAD Ecuador	ES	https://pbs.twimg.com/media/D2Hg01eX0AAZByM.jpg
Awareness-raising	Growers	Leaflet	Medidas de prevención para que la plaga no llegue a tu cultivo		AGROCALIDAD Ecuador	ES	http://www.agrocalidad.gob.ec/wp-content/uploads/1-Tr%C3%ADptico_FOCR4T2019-OUT2-convertido-2.pdf
Guidance	All	Manual	Participación de empresas y productores bananeros en estrategias de prevención y exclusión de Fusarium R4T en Latinoamérica y el Caribe		AGROCALIDAD et al	ES	https://www.slideshare.net/ExternalEvents/participacin-de-empresas-y-productores-bananeros-en-estrategias-de-prevencin-y-exclusin-de-fusarium-r4t-en-latinoamerica-y-el-caribe-86072652
Awareness-raising	All	Video	Mal de Panamá Raza 4 Tropical	Una seria amenaza para la producción de banano	Corbana & GLOBALGAP	ES	https://drive.google.com/drive/folders/1nNkoBJUsPFUaDyUrxC57y2h4sPJPK94
Scientific background	Decision makers	Article	Biological Control Agents Against Fusarium wilt of banana		Bubici, G. et al. (2019)	ENG	https://drive.google.com/drive/folders/1xh17nW9DGXEM4ilEsK-RRZkV8KU1fs9c
Guidance	All	Manual	Fyffes Food Safety and Compliance Department		Fyffes	ENG	https://drive.google.com/drive/folders/1Yzd-54ygSdUpHDxAnOjhNmTvHqjGO
Scientific background	Decision makers	Article	Comparative analysis uncovers the limitations 1 of current molecular detection methods for Fusarium oxysporum f. sp. cubense race 4 strains		Magdama, F et al (2019)	ENG	https://drive.google.com/drive/folders/1xh17nW9DGXEM4ilEsK-RRZkV8KU1fs9c
Scientific background	Decision makers	Article	Assessing Variations in Host Resistance to Fusarium oxysporum f sp. cubense Race 4 in Musa Species, With a Focus on the Subtropical Race 4		Chen, A. et al (2019)	ENG	https://drive.google.com/drive/folders/1xh17nW9DGXEM4ilEsK-RRZkV8KU1fs9c
Scientific background	Decision makers	Article	The Movement of Fusarium oxysporum f.sp. Cubense (Sub-Tropical Race 4) in Susceptible Cultivars of Banana		Warman, N. et al (2018)	ENG	https://drive.google.com/drive/folders/1xh17nW9DGXEM4ilEsK-RRZkV8KU1fs9c