



nak! tuinbouw



New phytosanitary issues in plant production in the EU

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Fleuroselect, 29 November 2016**



What's happening in the world

- Global tendencies (IPPC/ISPM's/PRA's)
- EU new phytosanitary Plant Health Regulation (1-1-2017, to be implemented 1-1-2020)
- EU official control Regulation (2020)
- Brexit, others to follow? Consequences?
- More specific requirements in 3rd countries



Status of diseases

- Big/important Q's (priority) and normal Q's
- New concept: RNQP (regulated, plants for planting, close to 0%)
- Other Quality diseases (“substantially free”)
- Process: EU Quality Pest Project started, EPPO responsible for execution, Discussion 2017
- MS specialists are involved. Decision 2018.




RNQP

- Many pests/pathogens considered to “downgrade” (Clavibacter, TSWV, Liriomyza spp, Radopholus similis, Opogona sacchari, Puccinia horiana, CSVd, Helicoverpa, Plasmopara halstedii)
- New requirements and tolerances (close to zero) have to be developed (EU wide)
- Plant passport is related document



Phytotopics (1)

- Xylella (Many species, Prunus, Pelargonium)
 - Ralstonia (roses and other crops)
 - Viroids (solanaceous plants)
 - Bemisia (Poinsettia, other species)
 - Curtobacterium (Poinsettia)
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Phytotopics (2)

- Agrobacterium (roses, chrysanthemum, Asters)
- Rhodococcus (Pelargonium, Aster)
- Thrips setosus (Hortensia, Poinsettia)
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Xylella

- Identified in EU since 2013 in Olive, Oleander, Prunus ,Polygala. In 3rd countries : Coffee, Vine plants,
- Various strains (pauca, multiplex, fastidiosa)
- Pelargonium ?
- XF-actors



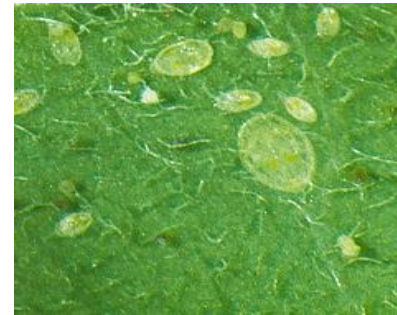
Ralstonia

- Known in Solanaceae (race 3)
- Known in Anthurium, Curcuma (race 1)
- Now occurring in Roses (race 1, but new strain!)
- Origin unknown (India?)
- Clean system



Bemisia

- Widely occurring in EU
- Concern: direct damage and virus transmission
(TYLCSV, TCV, CVYV, (15))
- Difficult to control
- UK: wants measures





Viroids

- PSTVd : Eradication if present in potato, tomato, peppers
- No emergency measures in ornamental species (passport remains in solanaceous plants like *S. jasminoides*)
- CSVd : still q, but will be RNQP
- Other pospi : discussion pending

Curtobacterium

- Poinsettia cancer
- Findings in Germany (2014, 2016) in Poinsettia
- Originating (hypothesis) from Africa
- Also known NZL, USA, Romania
- Latent, water transmission



Agrobacterium

- Importance remains!
- Crown gall. Ti plasmide
- Plant detection
- Soil detection



Rhodococcus

- Back from the past!
- Also Impatiens, carnation, Kalanchoe, Pelargonium
- Bacteria on leaf surface
- Testing : stem/axillary buds
- hygiene



Thrips setosus

- Up till now: Hortensia
- In UK recently T.setosus in Poinsettia
- Originating from Asia
- Also TSWV vector
- Very polyphagous
- Feeds on leaves





Measures

- Prevention (checks/hygiene)
- Systems (e.g. Elite, Select Plant)
- Knowledge (share information)
- Detection (develop and use)
- Resistance (central goal in breeding)
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Discussion

- Questions?

Quality in Horticulture