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IPM-IL (CRSP) East Africa IPVDN and Regional Site

Uganda – Makerere University

Kenya - KARI

Tanzania – Mikocheni Research Institute

East Africa Virus report

- “ Tomato – detection through surveys
- “ Passion fruit woodiness virus
 - . Management through clean stock, roguing
 - . Detection and diversity
 - “ Cowpea aphid-borne mosaic virus
 - . Aphid vector identity, management
- “ Pepper – clean-up of seed from virus through selection and protected growth

Tomato virus surveys - Uganda

Collaborative with East Africa Regional Site and African Food Security Initiative, IPDN

- “ Average field incidence of viruses was 64%
- “ Diagnosis by ELISA and PCR: TSWV, ToLCV, PYLCV, CMV, TMV, ToMV
 - . Most common: 43% ToMV and 35% CMV
 - . Frequent mixed infections
- “ Sequence analysis indicated ToMV-Uganda was 99% identical to isolates from China, Australia, Japan and Germany

Data from IPVE PP-114 Warren Arinaitwe