

CSA CGMMV Working Group
developed proposal to sample
Sacramento Valley weeds and
insects for CGMMV in 2018

Objective

- Due to recent Sac Valley produced watermelon seed lots, from apparently clean planting seed, testing positive for CGMMV ...
 - Increase our understanding of how to manage CGMMV for cucurbit seed production
 - Determine if CGMMV can be found in weeds in and adjacent to fields that have had CGMMV
- Cause no or minimal (eradication of weeds) abatement impact on growers or land owners if CGMMV is found
- Draw more attention to the need for vigilance if CGMMV is found in other hosts

Proposal

- Utilize fields that have already had confirmed detections
- Obtain County Ag Commissioner agreement to take limited additional measures if CGMMV is detected
- Obtain land owner permission to do sampling
- Inspect and test weeds in these fields and adjacent weedy areas for CGMMV
- Sweep adjacent weedy areas for insects
 - Test insect samples if virus detected in weed samples

Current status

- UCD Virologist Bryce Falk has outlined proposal and budget
 - Monthly sampling of weeds in selected locations
 - Known CGMMV hosts and other species
 - Genetic analysis and virus transmission studies on positive sample
 - Positive detections reported to CDFA and APHIS
- ASTA Research Fund has agreed to fund the project (approx. \$35,000)

Questions or Comments?

