

CGMMV/BFB Training Session

Colusa Industrial Park
April 22, 2014

CGMMV / BFB
2013

Detection - Chronology of
Events



Initial Detection

July 2013 - First Detection of Cucumber Green Mottle Mosaic Virus, (CGMMV) and Bacterial Fruit Blotch, (BFB) in a melon field in Yolo County during a PQ walk by County Inspectors.

Significance:

First ever detection of CGMMV in the US

First ever detection of BFB in California





Summary of the CGMMV finds:

2013 -Yolo County

One seed field with infested melon (first detection), cucumber (2x), and watermelon

2012 -Sutter County

Three seed lots infested consisting of the source melon seed subsequently planted in Yolo, and two additional seed lots of cucumber and watermelon grown adjacent to the infested melon seed crop.



Immediate Concerns

- Effects the quality and yield of crop
- Mechanically and seed transmitted
- Virus is persistent in soil
- Heat stable
- Potential effects on fruit



Immediate Actions (Summer 2013)

- Hold and abatement of Yolo positive field
- Hold on Sutter positive seed lots
- Trace forward/back on imported seed, other potentially infected seed lots.



Considerations in Moving Forward

- Determination of federal pest status
- State Action
- Mitigation measures required
- Non-Regulatory options



Trade Implications

Seed (domestic, import, export)

Fruit (domestic, import, export)





Sample Collection (CDFA)

Initial Collection - 7/1/13 to 8/15/13

Samples collected for testing by county agents, sample list compiled by CDFA

Follow-up Sampling continued through the end of 2013.



Sample Collection (CDFA)

Sampling Criteria

Seed Source of infected field
Mechanical - Equipment/PQ Walks
Mechanical - Adjacent Field
Mechanical - Wash/Dry
Mill Process
Foreign Seed Source
Volunteers Plants (Sutter)



Joint Working Group Formed

August 2013

California Department of Food and Ag (CDFA)

USDA APHIS

American Seed Trade Association (ASTA)

California Seed Association (CSA)





Joint Working Group Formed August 2013

Conference Calls

Email

In Person Meetings



Key Announcements

8/20/13 - Yolo County Farm Bureau announces detection in newsletter

10/28/2013 - USDA Technical Working Group Responses

10/30/13 - Pest Alert Florida

11/27/13 - CDFA Pest Exclusion Advisory

12/6/13 - NAPPO Alert

1/17/14 - Final Priority Sample Summary





NAPPO Alert

December 6, 2013

...Under IPPC Standards, Cucumber Green Mottle Mosaic Virus (CGMMV) is considered to be a pest that is transient, actionable, and under eradication in the United States.



Key Dates/Meetings

December 2013 - Industry meets to draft Fact Sheet for future outreach

January 17, 2014 - Final Priority Sample Summary

January 2014 - ASTA Vegetable Flower Conference-
Agenda Item at several ASTA Committee Meetings;
Panel discussion (USDA, CDFA, Industry, CSA, ASTA)
Brainstorm session

January 2014 - First Draft of CGMMV Growers Guide

February 2014 - CDFA Core Group to plan Outreach/Training

April 22, 2014 - First Industry sponsored training for CGMMV/BFB





The Future

Summer 2014 - USDA APHIS to hold a Seed Summit

Regulatory Action

Required Offshore Seed Testing

Non Regulatory Action

Using seed from a reputable producer that has been adequately tested for CGMMV.





Lessons Learned

Communication is key:

All of us have a responsibility to protect cucurbit production in California.

A collaborative, cooperative use of resources will allow us to find solutions to issues as they arise.