

# Fruit Tree Quarantine Working Group

- At the last Tier-2 meeting (Sept 2019) we set up a working group to explore ways to improve the quarantine system for both the clean plant centers and PPQ.
- 1<sup>st</sup> meeting: November 14<sup>th</sup> 2019
- 2<sup>nd</sup> meeting: March 5<sup>th</sup> 2020



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Action items were developed from these meetings:

- Permitting needs to define conditions to start large scale commercial trials under provisional release (w/inspection).
- Alert industry to need for greater capacity at Beltsville.
- For Industry: need for greater communication with CPCs for material intended for field trials.

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Action items were developed from these meetings:

- Position paper on negative results for field indexing
- Survey paper on what pome/stone viruses are present in the US
- Standardization of HTS as a method

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Progress (on the science side):

- Compile data on pome viruses present in US, ETA Summer (Oscar is leading)

| Type  | Variety Name      | Type                | Location   | Grin #    | Symptoms | ARWaV-1 | ARWaV-2 | AHVd | CCGaV | ApMV | ACLSV | AGCaV | ASPV | ASGV | ALV-1 | ASSVd | CRLV | PBCVd | TRSV | ToRSV | Other Organisms Found (by HTS) |                                       |
|-------|-------------------|---------------------|------------|-----------|----------|---------|---------|------|-------|------|-------|-------|------|------|-------|-------|------|-------|------|-------|--------------------------------|---------------------------------------|
| Apple | M.26              | National Repository | Geneva, NY | PI 337319 | None     | -       | -       | +    | -     | -    | -     | -     | -    | -    | -     | -     | -    | -     | -    | -     | -                              | None                                  |
| Apple | MM.109            | National Repository | Geneva, NY | PI 588794 | None     | -       | -       | -    | +     | +    | -     | -     | -    | -    | -     | -     | -    | -     | -    | -     | -                              | None                                  |
| Apple | M.7               | National Repository | Geneva, NY | PI 588816 | None     | -       | -       | -    | -     | -    | -     | -     | +    | -    | -     | -     | -    | -     | -    | -     | -                              | None                                  |
| Apple | M.9 (Troch)       | National Repository | Geneva, NY | PI 588826 | None     | -       | -       | -    | +     | -    | -     | -     | -    | -    | -     | -     | -    | -     | -    | -     | -                              | None                                  |
| Apple | Spring Snow       | National Repository | Geneva, NY | PI 588913 | None     | -       | -       | -    | +     | +    | -     | -     | -    | -    | -     | -     | -    | -     | -    | -     | -                              | None                                  |
| Apple | Crimson Gold      | National Repository | Geneva, NY | PI 589215 | None     | -       | -       | -    | +     | -    | -     | -     | -    | -    | -     | -     | -    | -     | -    | -     | -                              | None                                  |
| Apple | Foxwhelp          | National Repository | Geneva, NY | PI 589318 | None     | -       | -       | +    | -     | -    | -     | -     | +    | -    | -     | -     | -    | -     | -    | -     | -                              | Prune dwarf virus                     |
| Apple | Whitney Crab      | National Repository | Geneva, NY | PI 589908 | None     | -       | -       | +    | -     | +    | -     | -     | +    | +    | -     | -     | -    | -     | -    | -     | -                              | None                                  |
| Apple | Frostbite         | National Repository | Geneva, NY | PI 657766 | None     | -       | -       | +    | -     | -    | -     | -     | -    | -    | -     | -     | -    | -     | -    | -     | -                              | None                                  |
| Apple | Tardive Forestier | National Repository | Geneva, NY | PI 175548 | None     | +       | -       | +    | +     | +    | -     | +     | +    | -    | -     | -     | -    | -     | -    | -     | -                              | Citrus leaf flecking-associated virus |
| Apple | Snowdrift         | National Repository | Geneva, NY | PI 588787 | None     | +       | -       | -    | +     | -    | -     | -     | -    | +    | -     | -     | -    | -     | -    | -     | -                              | None                                  |

- Collect observations on symptoms vs. presence/absence for pome/stone viruses (Oscar, Scott, Maher).



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Progress (on the science side):

- HTS methodology (Maher)
- Position paper on field indexing (Scott & Oscar), ongoing.



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Progress (on the policy side):

- Mike to update.

