agriculture, land reform & rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA

PPECB

ANNEXURE A: PROCEDURE FOR LATENCY EXPRESSION TEST FOR VALENCIA

1. OBJECTIVE

Latent symptom expression test is a mandatory requirement accordance with point 7 of Annex III within the Commission Implementing Regulation 2022/ 632. It is only applicable to all Valencia type orchards that are registered for export to the EU from the areas where CBS is present.

2. PROCEDURE AND RESPONSIBILITIES

2.1 DALRRD

- Supply seals and ensure traceability of each issued seal number.
- Determine the duration for CBS Symptom Expression Test process.
- Audit the information that is uploaded by the growers on Phytclean.

2.2 Grower

- Should have their own Ethephon, Guazatine (or Propicure or Propirly), Imazalil and the sample bags.
- **Growers need to take the sample, dip fruit and update the Ethephon section on PhytClean.**
- Where possible, Valencia type orchards from one PUC should all be treated with Ethephon in one day.
- Should ensure that facilities that store incubated fruit comply and are registered on Phytclean.
- Shall ensure that fruit that was treated is disposed of and not consumed by the personnel.
- **Start the testing from 01 April 2024 and all the Ethephon treated samples need to have been inspected by PPECB by 30 June 2024.**

2.3 PPECB

- **Central point from which the growers will collect the official seals that will be used for the season.**
- Conduct the CBS inspections of the samples 14 days after treatment.
- After inspection, update the Ethephon section of the PhytClean tool and a copy of the generated document will be available as a public record/evidence of the outcome.

  Finding of CBS symptomatic fruit during inspection shall be reported to DALRRD as a **rejection**.

3. SAMPLING AND TREATMENT

3.1 COLLECTING FRUIT SAMPLES BY GROWER

- Pick 150 fruits from every orchard (regardless of the size of the orchard).
- Half of the sample should be collected from row-end trees, evenly spread across both ends of the orchard.
- The remaining fruit sample should be collected from trees in poor condition, with no more than 5 fruit collected from any one such poor condition tree. If there are less than 10 trees in poor condition, the shortfall in the fruit sample should be made up by collecting fruit from trees evenly spaced in a diagonal transect across the orchard.
- The sample collected for this purpose should be targeted.
- Sample fruits should be picked as much as possible from sickly and stressed trees and the fruits should be collected as much as possible from the lower outside portion of the tree canopy, especially on the sunny (north-westerly) side of the tree.

3.2 PREPARATION OF DIPPING (TREATMENT) SOLUTION

- Dipping Solution = Ethephon + Imazalil + Guazatine (or Propicure or Propirly) + water
- For every 1-liter water = 8ml (Ethephon) +0.7g (Imazalil) + 5ml (Guazatine or Propicure or Propirly)
  e.g. 10 litres of water = 80ml + 7g + 50ml
- Dip to submerge each sample for 5 minutes in the solution
  Each solution may be used for a maximum of 7 days or a maximum of 20 samples (whichever comes first)

3.3 INFORMATION UPDATE

- Go to www.phytclean.co.za (V1) or https://app.phytclean.co.za/ (V2)
- Log into your PhytClean profile using your Username (email) and password
  Go to Citrus
- Select Citrus CBS Management under Pest Management section. (It can take up to 10 seconds for something to show here as it's doing the calculations in the background)
- Using the filters generate a list of PUCs **x** orchards you want to update (Only PUCs and orchards that you are linked to will appear in the grid).
- Using the tick boxes to select the orchard you are wanting to update.
- Press Symptom Expression Test button at the top of the grid.
- A pop-up will appear and in there, growers must capture the details for the start of the expression test (i.e. date, tag reference, etc.). Once the details are in then press SUBMIT. The database will be updated.

PhytClean support: support@ecert.co.za