



PROCEDURE FOR IMPLEMENTING THE LATENT CBS SYMPTOM EXPRESSION TEST ON VALENCIA ORCHARDS THAT ARE REGISTERED FOR EU EXPORT

1. OBJECTIVE

Latent symptom expression test is a mandatory requirement according to Annex III of the Commission Implementing Regulation 2022/ 632. It is applicable to all Valencia varieties that are registered for export to the EU from the Non-CBS free areas.

2. PROCEDURE AND RESPONSIBILITIES

2.1 DALRRD

- Supply seals to growers 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 orchards in one PUC should all be treated with Ethephon in one day.
- **Start the testing from 03 April 2023 and all the Ethephon treated samples need to have been inspected by PPECB by 30 June 2023.**

2.3 PPECB

- **Central point from which the growers will collect the official seals that will be used for the season.**
- Nominate the regional storage facilities that will be used to store the Ethephon test samples.
- 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.
- Interception of CBS during inspection shall be reported to DALRRD as a **HIT**.

3. SAMPLING AND TREATMENT

3.1 COLLECTING FRUIT SAMPLES

- 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. From the selected trees, 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 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