

### Sustainable solutions for organic Persian limes from Colombia



Supported by Leontine Crisson  
Landbouwwaad voor Colombia, Peru & Ecuador


- Idea: Improving the quality (color) of organic Colombian limes for European consumers by application of new technologies
- Approach:
  1. Quickscan in Colombia
  2. Demonstration shipment
  3. Comparison of treatment
  4. Reporting

Rob Schouten

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### Results: which new technologies?

- MAP?
  - Yes, as limes have to wait up to wait for up to 1 week for transport in the company
  - No: very strict drug related checks at Colombian customs
- UV? Yes, although literature is mostly related to fungal infections
- Coatings? Yes, but long discussion/delays regarding organic certification
- Approach: CLEAN LIGHT x LIQUIDSEAL
- Plan: transport of 10 boxes per treatment
  - limes measured at in AWETA sorting line at
  - limes transported and re-measured at AWETA



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### Results: Quickscan

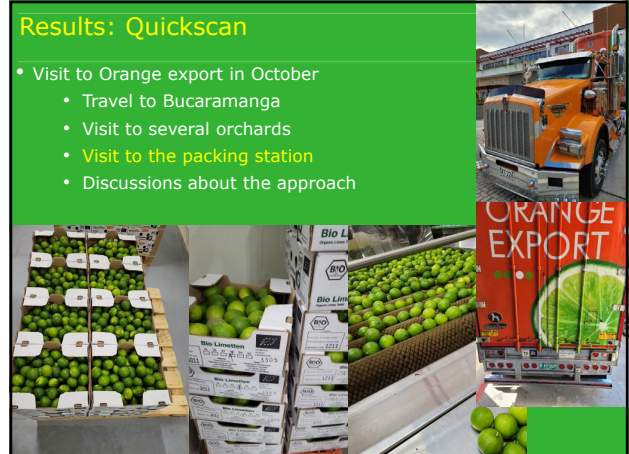
- Visit to Orange export in October
  - Travel to Bucaramanga
  - Visit to several orchards
  - Visit to the packing station
  - Discussions about the approach



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### Overall Results

- Evaluation of treatments
  - Enthusiastic partners
- Report on Quickscan
- Progress slow
  - Colombia means delays (priorities)
  - Halfway this year change in project leader
  - Unreliable Colombian partner
  - Long discussions about whether coatings are organic:
    - Yes, but not EU recognized, alternate certification
  - Delay (temporarily lost UV equipment)
- Application of treatments are now applied and are ready for shipment to NL
- Comparison of treatments in NL still need to be carried out
- Project is projected to be finished end of January



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### Next steps

- PPS consortium discussed
  - Eager to participate
- Financial (10 kEuro) support of
  - LIQUIDSEAL
  - CLEAN LIGHT
  - AWETA
- Further discussion depend on the results of the project, and will have to broaden to other South-American fruit
- Discussions will take place in February



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## How did the SMP help the applicant

- Energetic 'godfather' of organic lime production (100 orchards and growing)
- Open to cooperation with Dutch technology providers
- Colombia is a country in turmoil, delays expected
  - But very eager development chances
  - Special agricultural (tax free zones)
- Goodwill gained about to setup a new SMPs
  - Exotic Colombian fruit export to EU
  - Soursop or Guanábana

