

Optimum leaf sample size for nutritional diagnosis of subtropical rainfed Hass orchards

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Introduction

- Brazil is the 7th largest grower of avocados in the world
- The increase in global demand for avocados is now boosting the fruit in Brazil





Introduction

- The nutritional management is one of the main strategies to improve yield of the crop in Brazil
- Performing an accurate diagnosis is the most critical stage for efficient nutritional management
 - Soil analysis
 - Leaf analysis





Introduction

 A crucial step in a good foliar analysis: the sampling



Material and methods

• Determine the ideal leaf sample size for nutritional diagnosis of the avocado 'Hass'.





Material and methods



Results and discussion



Conclusions

- The calculated ideal leaf sample size, for macro and micronutrients, is 4 diagnostic leaves per plant, from 16 plants (assuming 10% error)
- The nutrient with the greatest variability was K





Questions

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