

Using image analysis to accurately determine the number of flowers per bunch for research purposes

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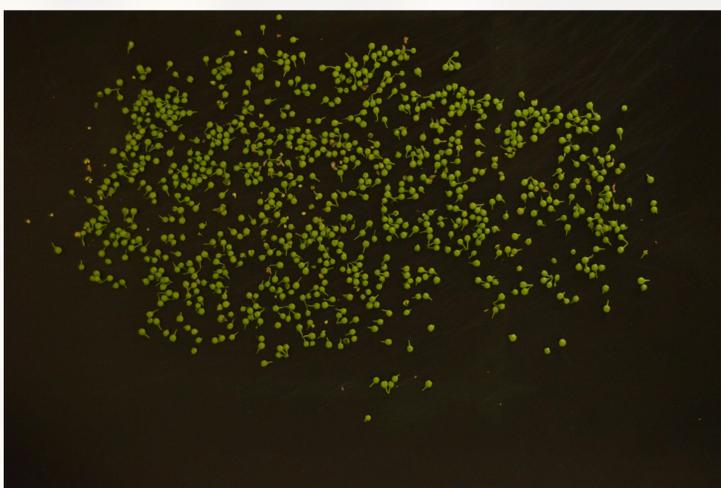
Introduction

Having a **reliable method** to get the number of flowers in a bunch is critical to **analyze the effects of different stresses (biotic or abiotic) on blooming and fruit set**. Here, it is presented a **simple, yet accurate**, method to obtain the number of flowers per bunch using a free software image analyzer

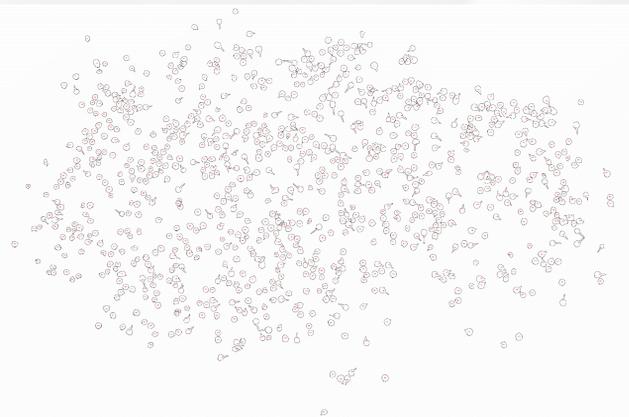
Materials and Methods

Flowers are detached from the calyptra and placed in a black matt plastic sheet.

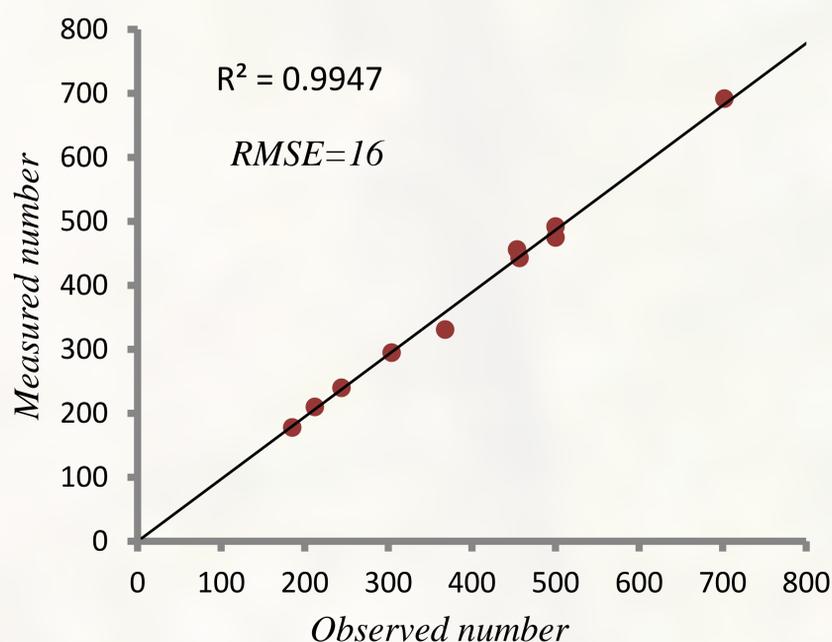
The image is processed using the ImageJ software. Results provides number of elements



The images do not need to be clean. Non-desired elements can be removed from the analysis by applying a filtering method.



Reliability analysis



Conclusions

The present methodology provides a simple, fast and precise technique to obtain the number of flowers in a bunch for research purposes!

Further information on: www.visca.eu