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- Georeferenced digital photographs of tree canopies can be collected in real time at speeds >9 km/h in citrus orchards (up to 19 km/h tested) using inexpensive cameras
- •Fruit yield of individual trees or any portion of canopy can be predicted (R²>0.9) from a combination of canopy volume and fruit pixel counts
- •Fruit pixel data from the camera and canopy size data from the ultrasonic system were highly synergistic, since the correlation of each individual component of yield data with actual fruit yield was much lower (R²<0.75) than their product
- ■These methods could be used to create digital orchard inventories, map yields and canopy damage from pests/diseases or wind→ VRA of fertilizer & pesticides

