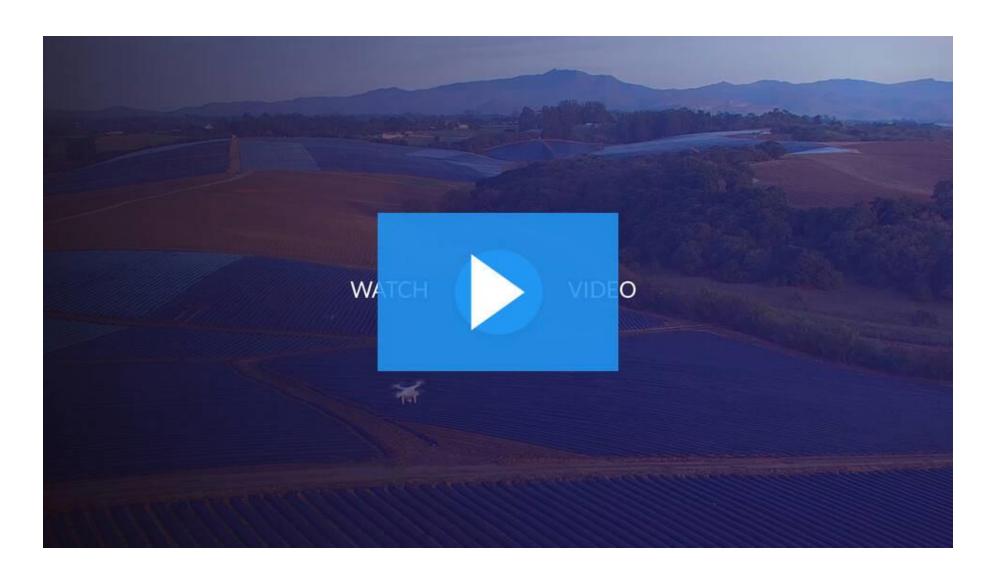


Automation & Precision Agriculture

Jose Raz Guzman 2019 Dic





Drones Precision Agriculture

VOCAB

Orthomosaic – big picture made of smaller pictures

Resolution – centimetres per pixel = cm/px

Algorithms – image processing software

NDVI - Normalized difference vegetation index — how green is a plant.

Imagen



Drone M100





Mavic Pro



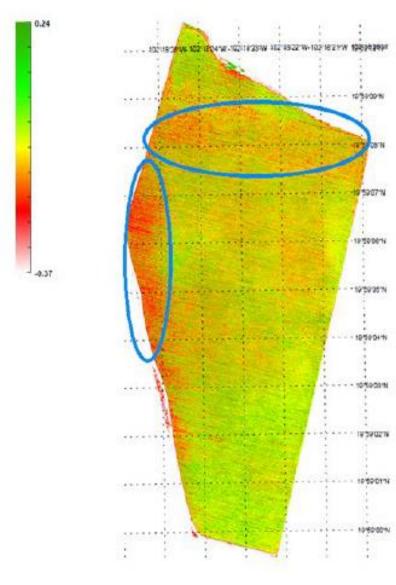


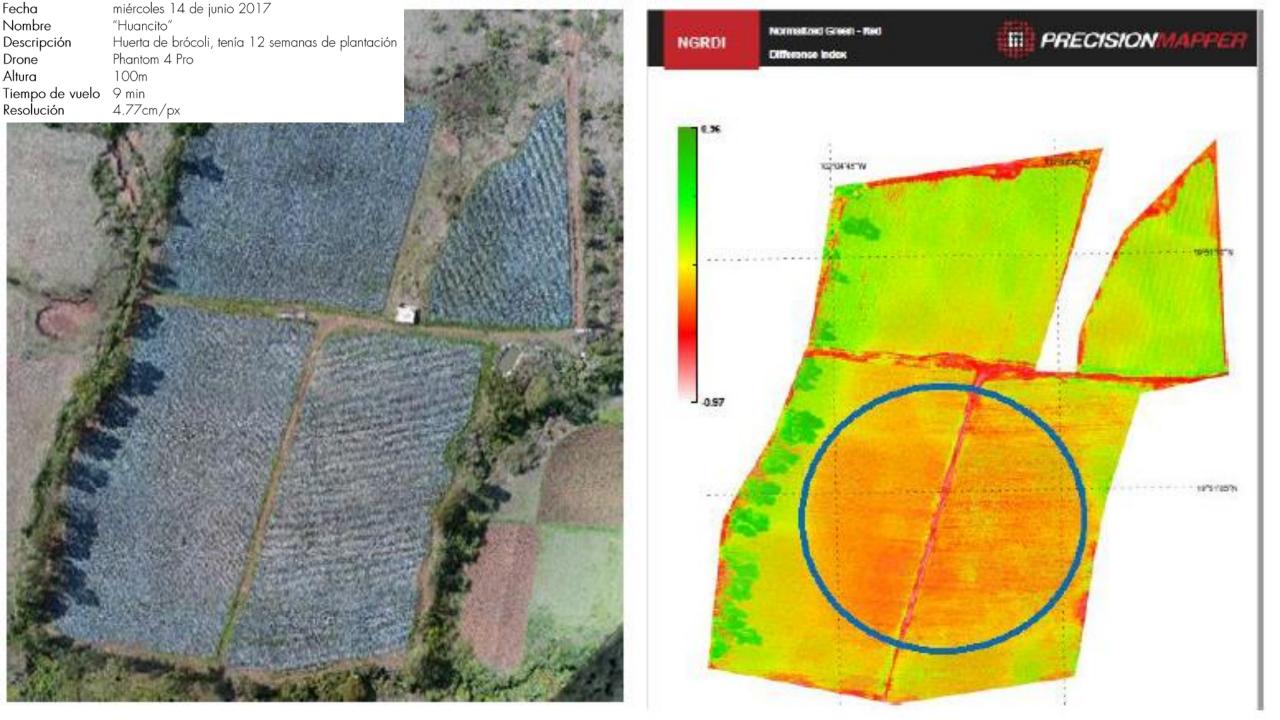


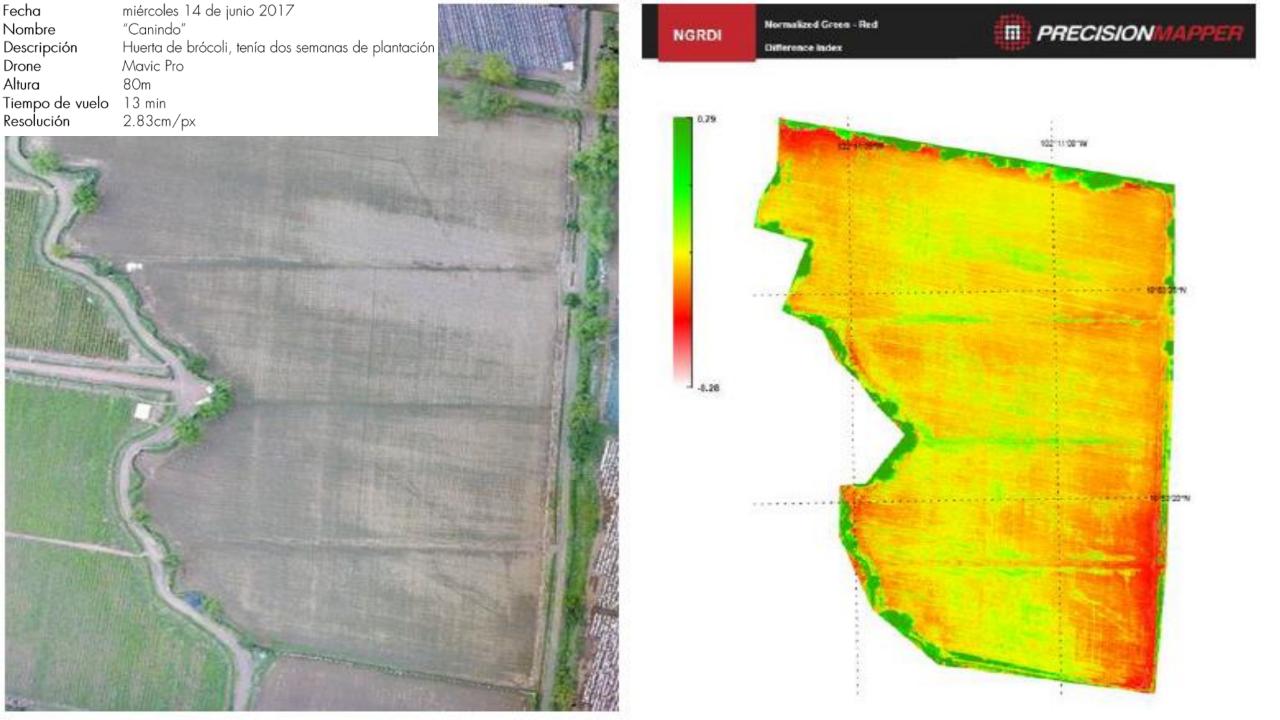
NGRDI

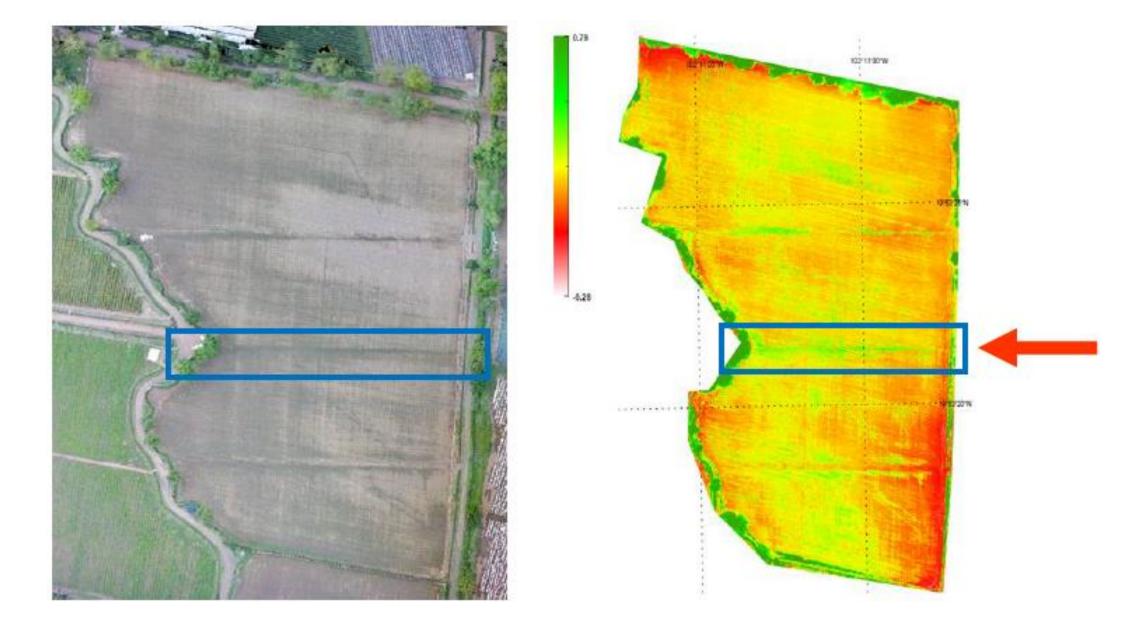
Normalized Green - Red Difference Index





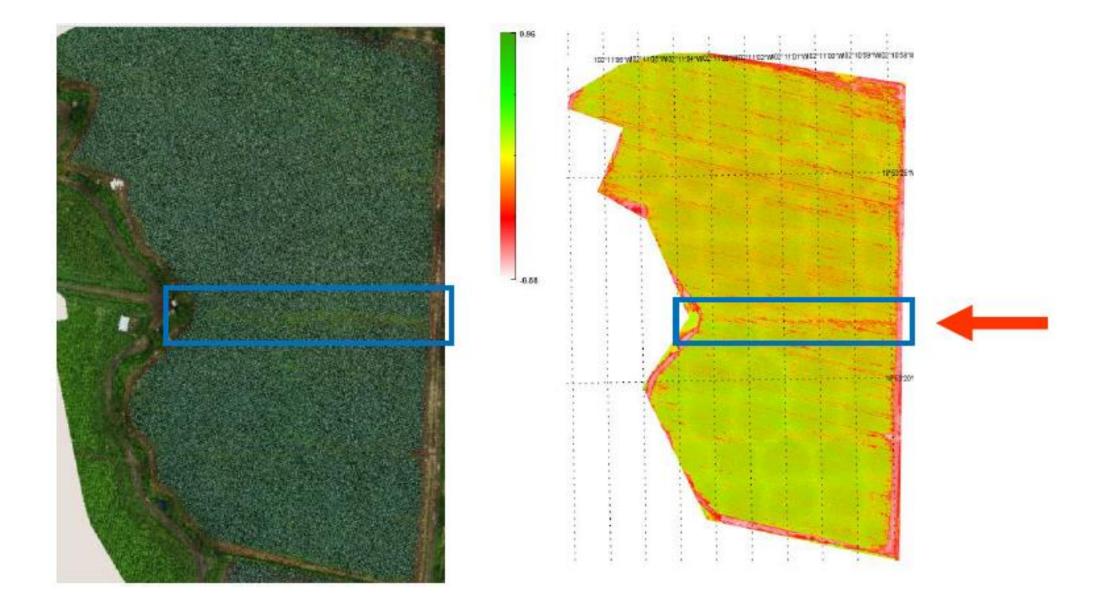


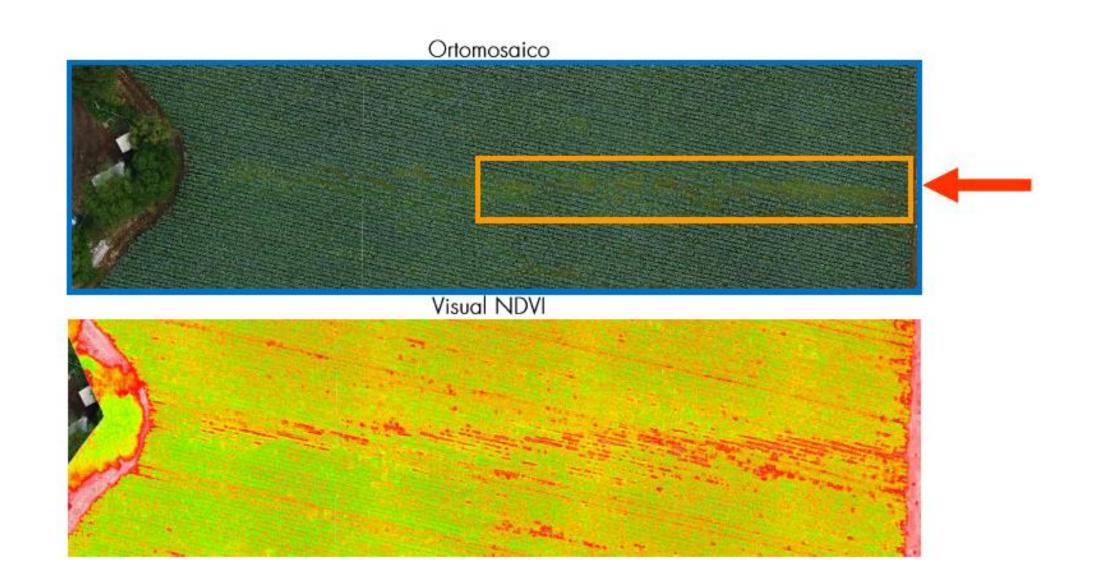




Ortomosaico Visual NDVI



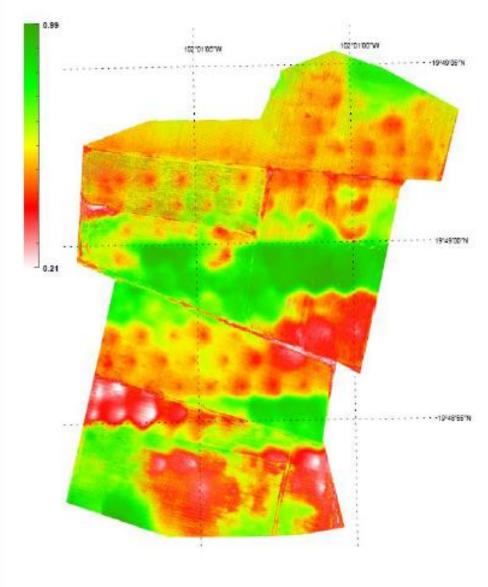


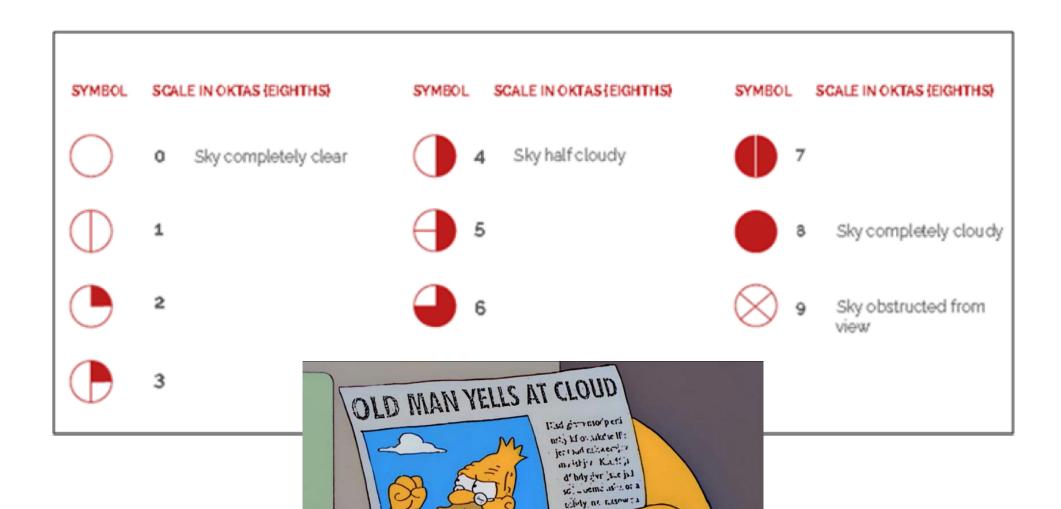


TRADE-OFF

	Drone	M100	M100	Phantom 4 Pro	Mavic
		RGB	Multispectral	RGB	RGB
Altura (m)	Cámara	(cm/px)	(cm/px)	(cm/px)	(cm/px)
120		4.88	-	3.17	-
100		4.05	-	2.63	3.32
80		3.49	3.51	-	2.64
70		2.78	3.05	1.8	2.12







14:31 17.2

Oldster Abraham Simbles

שובונה המווואן הבר מנים ב

ונות סיי אחי הין

land (z'i pihil mides EIS

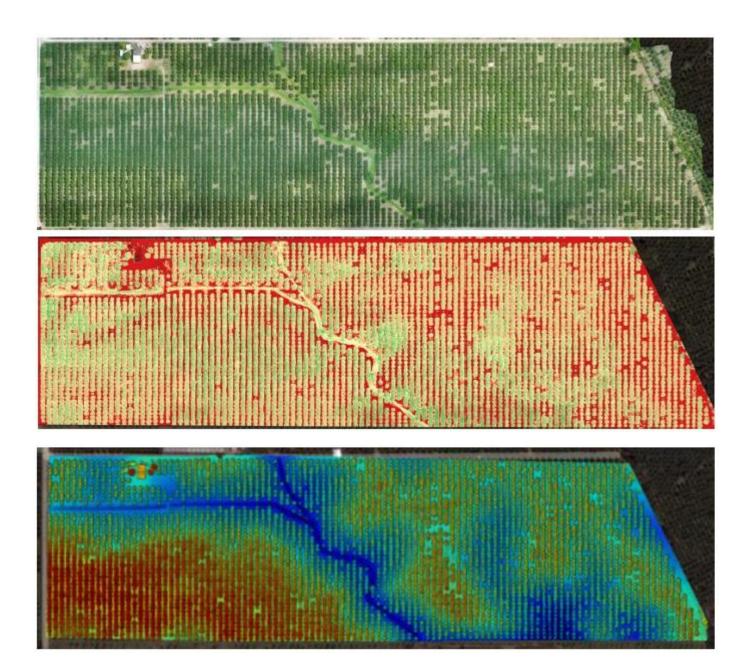


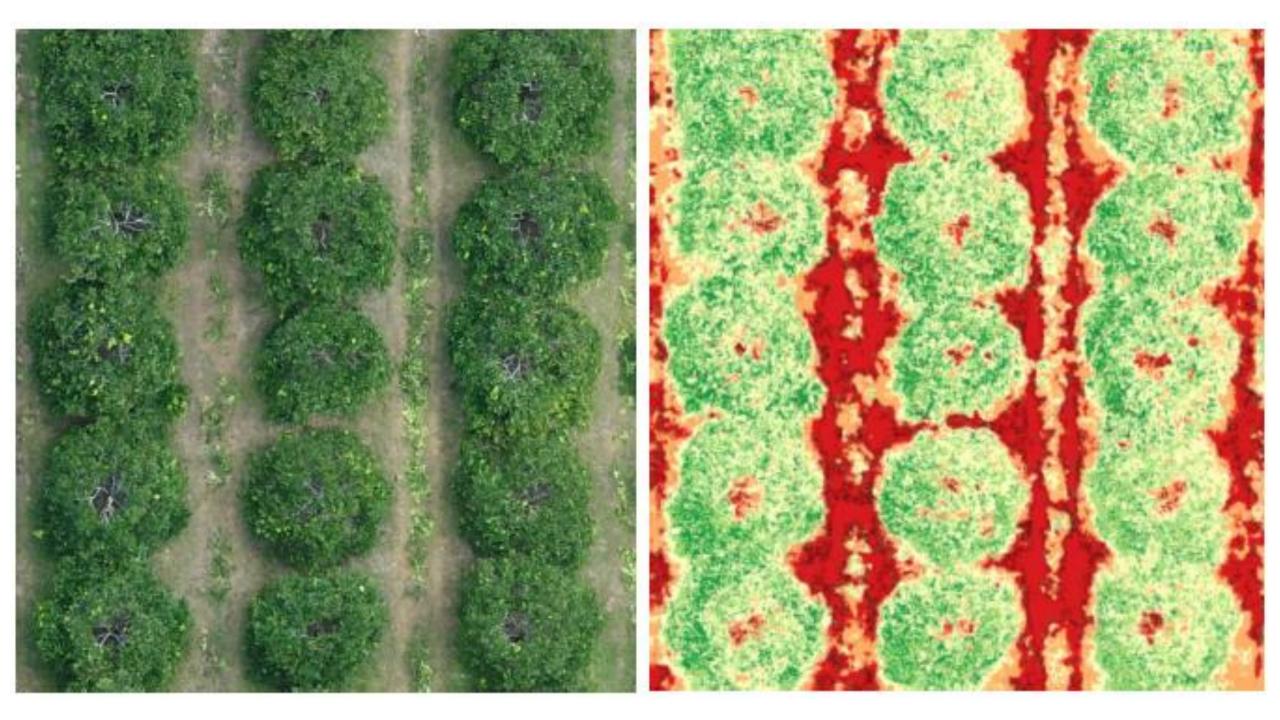




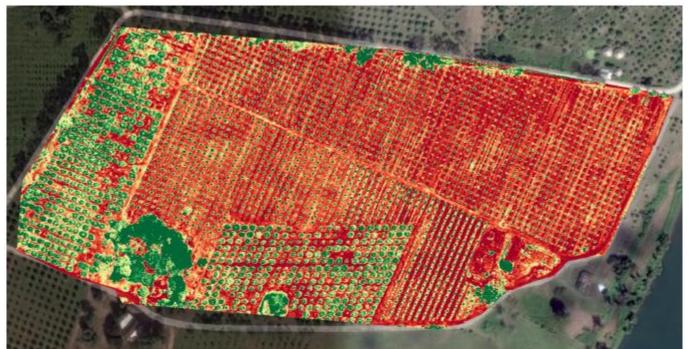




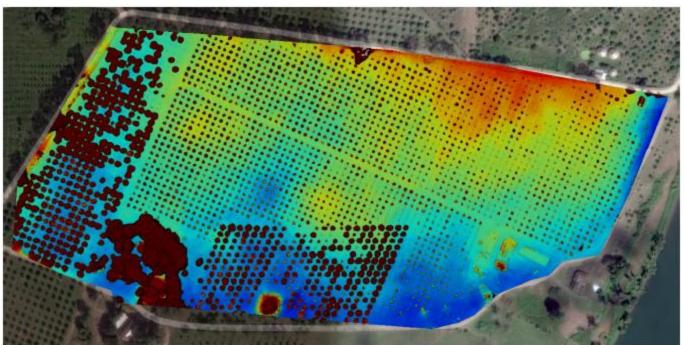














The future of agriculture?







prospera











THANK YOU!