

Basic Information:

Installation Name:	CREA-CI Field Phenotyping Platform
Installation Location:	Foggia, Italy
Installation location MAP	https://www.google.com/maps/d/edit?mid=13hasa5ACAj6v93I5ltAywK8AJCz8ivv0&usp=sharing
Installation Category:	Open Field
Traits analysed	Above ground
Environmental Manipulation:	Water, Nutrients concentration
Stress applicable	Drought, Heat stress, Biotic stress
Capacity	1,000 plots
Status	Operational
Trait Measurements:	Growth, Canopy, Stress indices

Equipment and sensors available (in particular for field activities) RGB camera, Thermal camera, multispectral, UAV, Phenomobile

References: Pecorella I. et al. (2020) Exploitation of RGB-derived indices from UAV imagery to estimate soil cover ability and related traits in durum wheat (in preparation)

URL

Contact person:

Name and address: Nicola Pecchioni

Email nicola.pecchioni@crea.gov.it

Phone number +39 0881 742972

Description of the infrastructure

CREA Research Centre for Cereal and Industrial Crops, CREA-CI, in its headquarters of Foggia has a 150 hectares experimental farm, where plant breeding, genetic and genomic, as well agronomic field experiments are run routinely. At the research centre it has been developed an UAV platform; two drones are available, equipped with thermal camera, RGB camera and Tetracam multispectral camera. Its recent development took to the realization of a light phenomobile, together with engineers of CREA-IT at Monterotondo (RM).