

# Crop performance

Monitor, rank and benchmark your crops across fields, farms and varieties



Crop performance integrates current and historical weather data, imagery and agronomy to qualitatively assess your crops growth across fields, farms and regions.

From		Until		Time increment		Generate from			
30 Aug 2019		30 Oct 2019		Weeks (Monday to Sunday)		<input checked="" type="checkbox"/> Satellite <input checked="" type="checkbox"/> Plane		3 EXPORT	
Name		NDVI Week 41 06 - 13 Oct 2019	% Change Week 41 06 - 13 Oct 2019	NDVI Week 40 29 Sep - 06 Oct 2019	% Change Week 40 29 Sep - 06 Oct 2019	NDVI Week 39 22 - 29 Sep 2019	% Change Week 39 22 - 29 Sep 2019		
4 - 2304, Shepody	Still growing fields	0.61	12.52%	0.51	11.97%	0.48	9.66%		
3 - 2303, Shepody		0.61	2.5%	0.58	2.73%	0.57	6.57%		
17 - 2317, Clearwater Russet		<0.1	0%	<0.1	0%	0.12	0%		
13 - 2313, Clearwater Russet	Fully harvested fields	0.1	0%	<0.1	0%	<0.1	0%		
18 - 2318, Clearwater Russet		0.1	0%	<0.1	0%	<0.1	0%		
37 - 2337, Clearwater Russet		0.16	0%	0.17	-15.79%	0.2	-20.84%		
12 - 2312, Clearwater Russet	Gradually harvested fields	<0.1	0%	<0.1	0%	<0.1	0%		
11 - 2311, Clearwater Russet		0.14	0%	0.16	-23.91%	0.26	-45.9%		

An easy-to-read table designed to aid in on-farm operations, at the scale that works for you.

## 1 Crop growth

FluroSense calculates change in vegetation indices on a daily/weekly/monthly basis at any time in season, allowing you to **rank the fields on the farm and track progress of operations.**

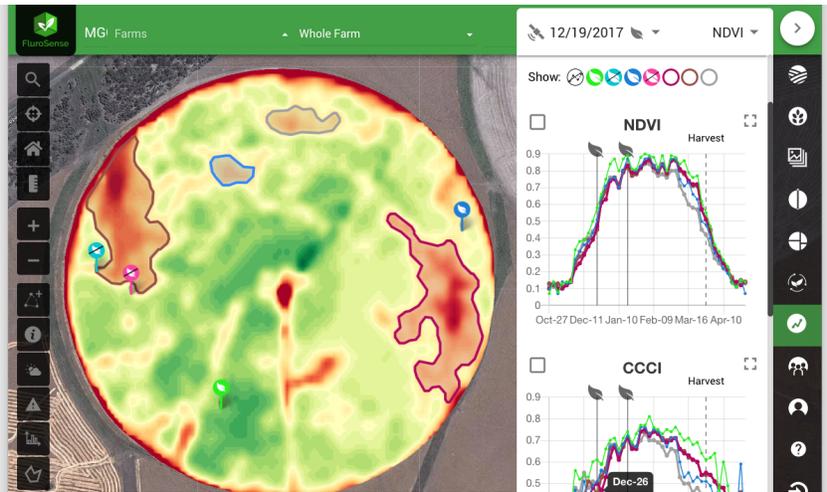
## 2 Growth speed

Compare the rate of growth/senescence of crops in each of the fields at a glance. Relative growth speed helps you determine the **right time to apply nutrient, defoliant or target fields for harvest.**

## 3 Regular emails and .csv report

Summary of your crop performance delivered to you with regular **email updates (+key imagery layers) and .pdf/.csv reports** for you to plan the week's work and efficiently allocate resources!

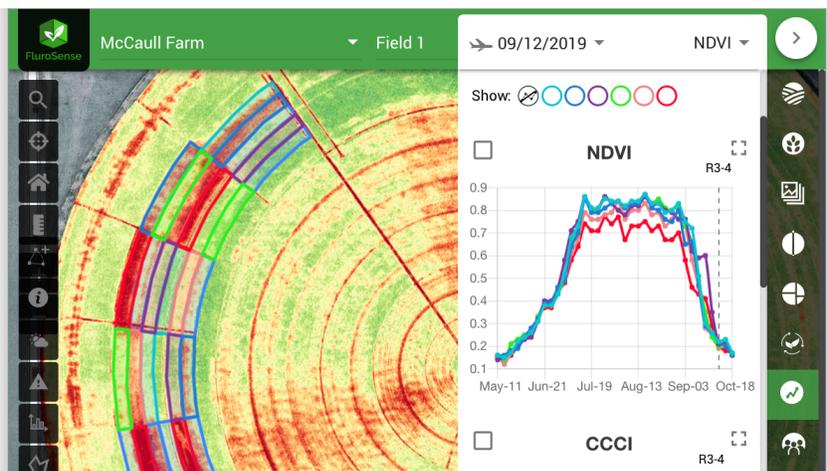
## 4 Benchmarking



Upload or draw an area of interest in a field to instantaneously **benchmark** its performance across the crop season.

**Quantify the variation** across the farms, rank fields in crop maturity or estimate long-term effect of nutrient deficiency - all in matter of seconds.

## 5 Trials reports



To **track efficacy** of split/strip applications in on-farm trials, you can use temporal analytics that pick up areas under the same treatment.

To set up the trials, import a .shp file with application rates. Export graphs in .png or .csv.

[EXPORT PNG](#) [EXPORT CSV](#)

## Growth stage estimation & localization

One of the unique features of FluroSense is the **crop modeling** combined with **machine learning** which lies at the platform's core.

The crop model estimates the growth stages of the crop based on your planting dates and local weather information collected automatically for your farm.

You can train the model by entering your observation of the crop growth stages.

