ALTA AGDRONE

SMART AND PRECISE AGRICULTURE
CATALOGUE - PRESENTATION

FIELD MONITORING

Field monitoring provides a solution to the food production problem for a very reasonable investment. Depending on the crop you are growing the return on your investment will happen in a relatively short period of time. Adapting water technology for agriculture impacts both savings and yield.

FIELD MONITORING

DRONE FLIGHT

Plan and make a flight of the drone over the field to be monitored

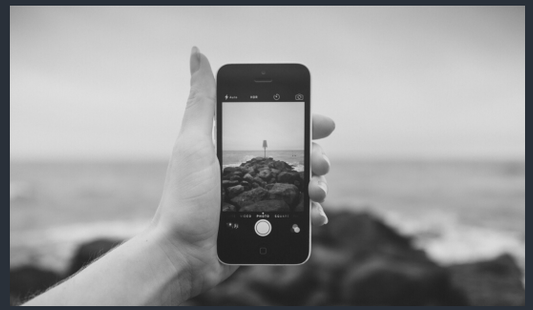
DOWNLOAD PICTURES

Connect the drone to a computer to download the pictures

EXTRACT DATA

Transfer the pictures to the Alta Agdrone platform and monitor the field

DATA DRIVEN AND MONITORING



NDVI REPORT

Accurate vegetable index will help to have the insight of the health of the crops

IRRIGATION REPORT

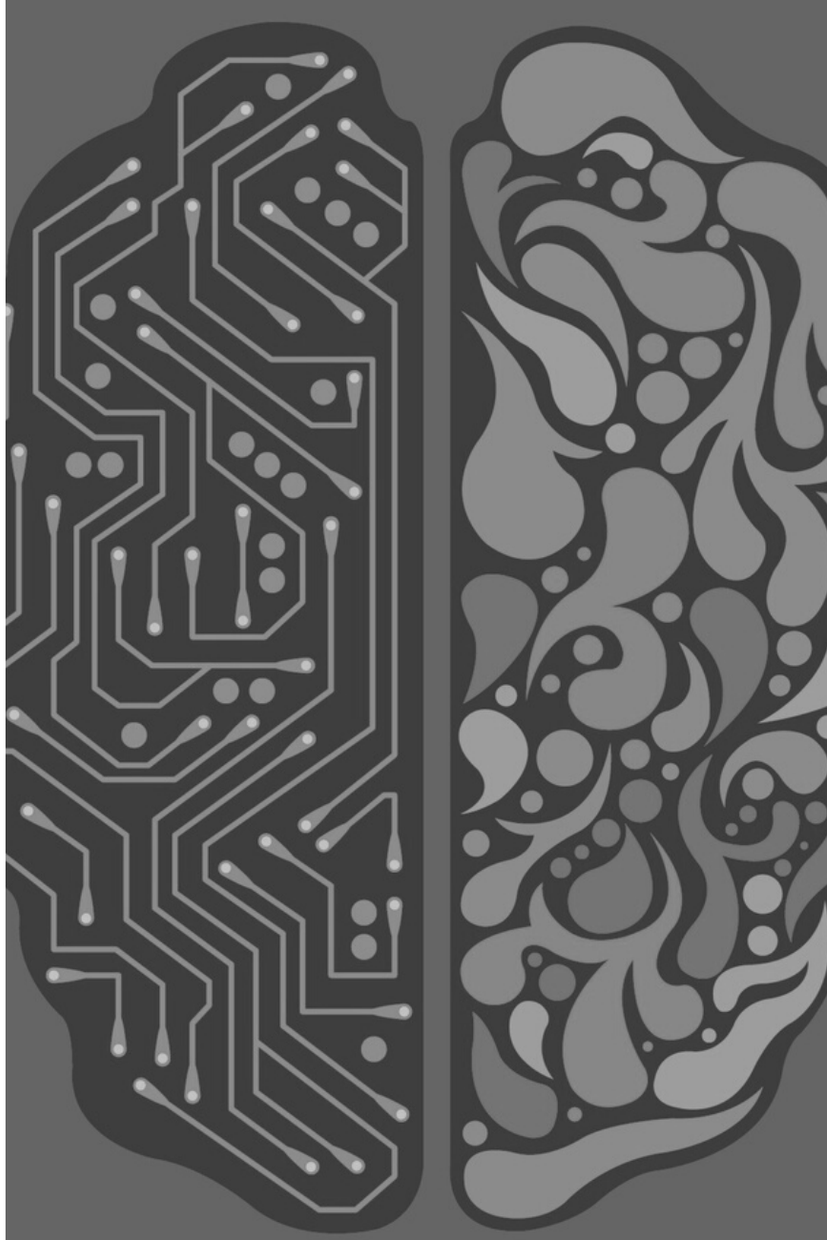
The irrigation report will give a state of the water stress on the farm without any sensor

MUTIPLE DATA ANALYSIS

A great varieties of maps and data are provided for interpretation

SMART ADVISES

Smart recommendations will improve agricultural production and crop and irrigation processes. They can cover vegetable crops (in the field, in greenhouses, in hydroponics, etc.) intended for the food industry. They can be useful, for example, in managing seeding plans, choosing irrigation techniques and planning the harvest.



SMART ADVISES

FERTILIZATION RECOMMENDATIONS

To improve the quality of the yield the chemical products as fertilizers advices

IRRIGATION RECOMMENDATIONS

The irrigation plan is provided with a level of water to be applied

ZONE ANNOTATION

On the maps the zone annotation will help to get a better understanding in order to apply the advises

EARLY DETECTION

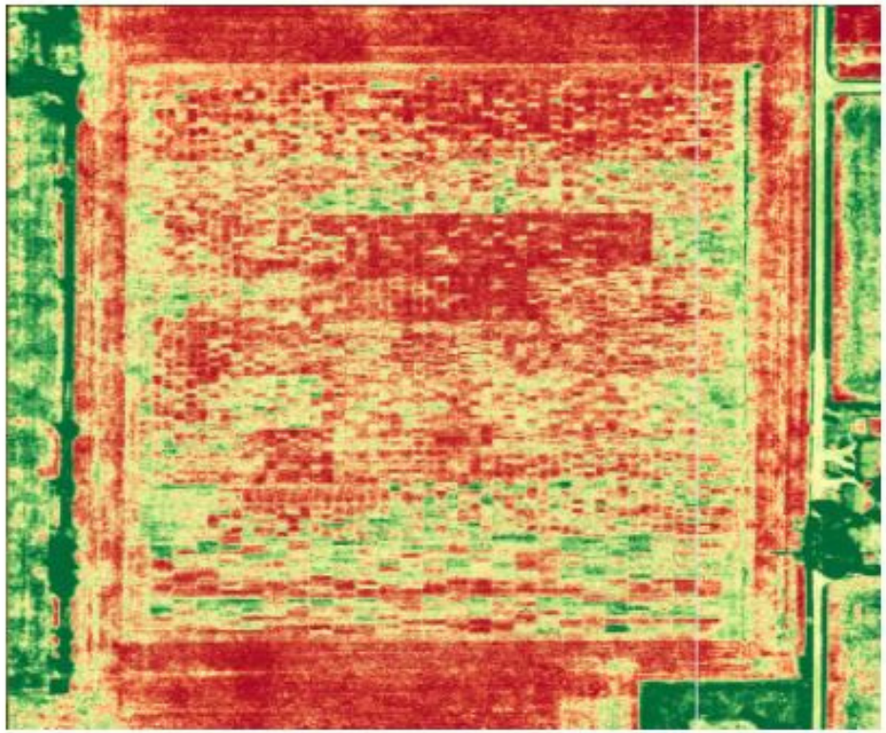
Early diseases/ pests detection is a major challenge in agriculture. It remains a key element of protecting our resources. When a newly arrived invasive pest is detected early, a rapid response to eradicate, contain or slow the spread efforts can be successful. As well as the crops diseases.

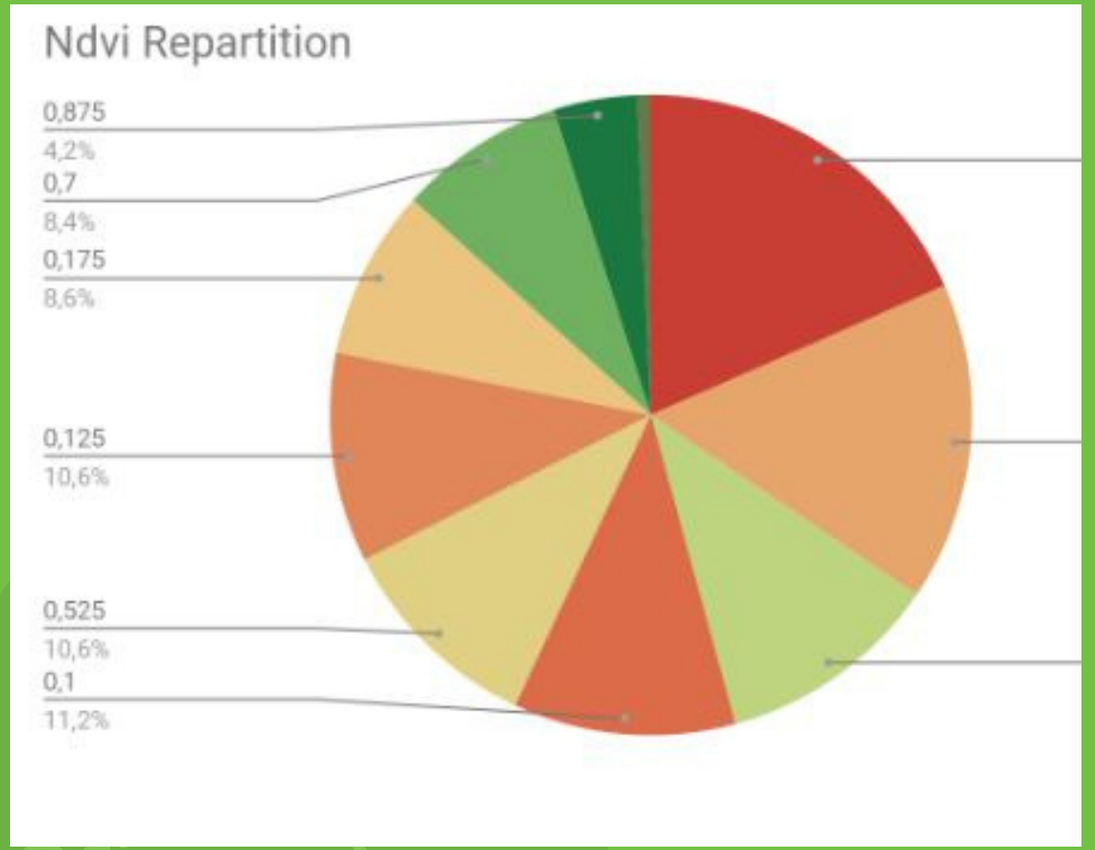
COMPARE & IMPROVE

Yield monitor data is certainly one of the most valuable pieces of information that is gathered throughout the year. It can allow producers to estimate profitability, evaluate management decisions, and develop recommendations for the upcoming year. If this information is to be used to its fullest potential, ensuring that the yield data represents accurate estimates of crop performance is critical.

SCREENSHOT - OVERALL STATISTICS

Overall maps ndvi:

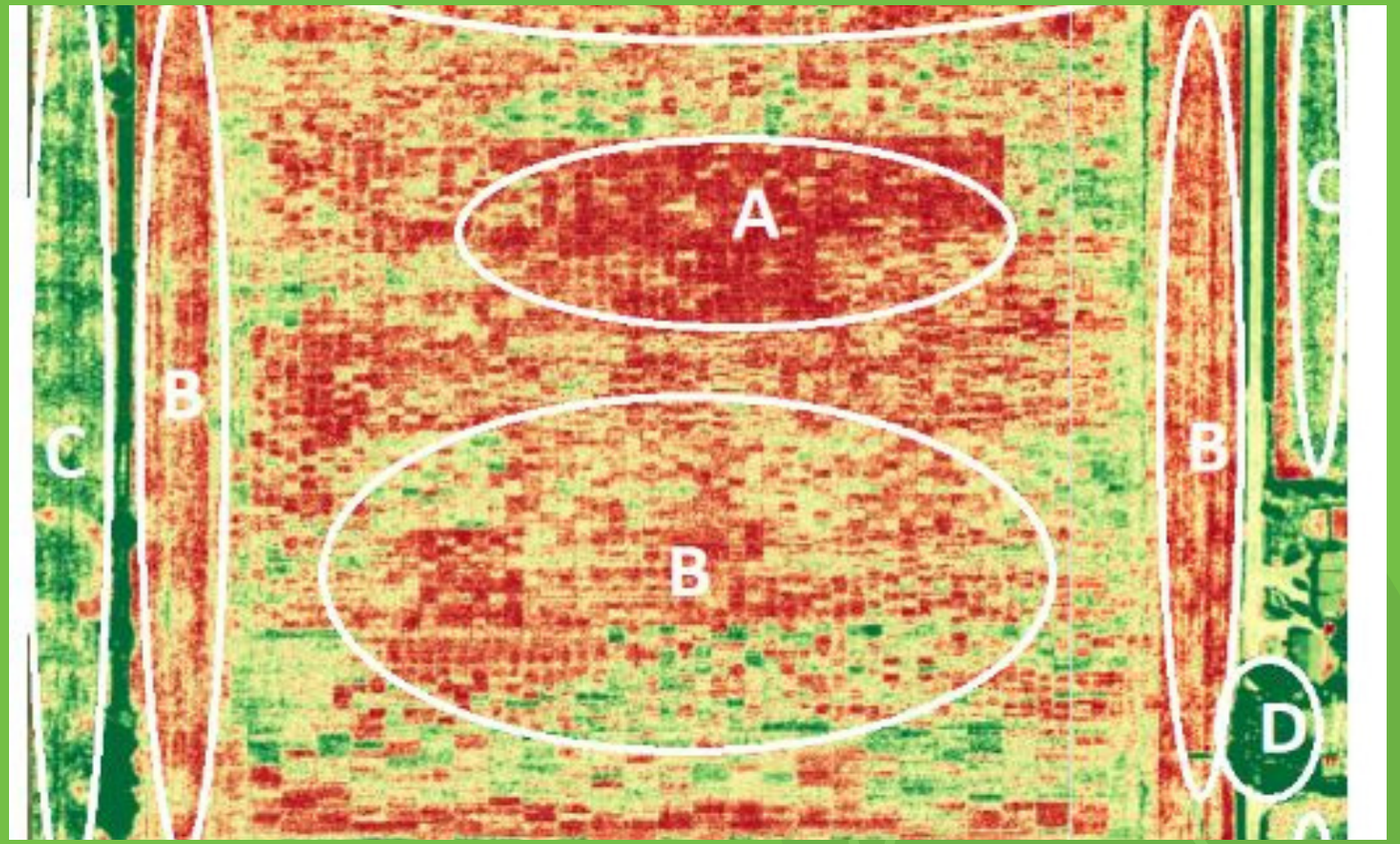




SCREENSHOT - RECOMMENDATION

Value	Color code indicator	Recommandation
-0.1 to 0.1	red-orange #c65e38	**Health :** Remove stones, sand or snow if needed High probability of crops diseases to be treated observation required **Soil and fertilizer** : Addition of secondary element: magnesium, nitrogen, calcium, sulfur **Irrigation** : Applying a good irrigation level until perfect state of greenery 8/10

SCREENSHOT - ZONE NDVI MAPS



SCREENSHOT - ZONE 3D MAPS

RESEARCH AI - AGRICULTURE

Problems Solving
AI in Agriculture

General project in agriculture which could be solved by tech development
For the startup and sme in agtech
For companies in agtech
For advanced farming companies

Irrigation and Fertilization
Automated Management

Some research for irrigation by automated system in AI more accurate with more performance
Fertilization management with less environmental impact

Pest and Diseases Detection
Studies by Crops - by Pests

Some research for pest detection via computer vision recognition
Some research for diseases detection via computer vision big data and predictive analytics and more..

PRODUCTS & PACKAGES

PACKAGE KITS:
from 4,750$ / year so 499$ / month

full decision support
full data prediction
drone + camera ndvi / 10 ac and more
yearly subscription

Research & Operations:
from 15,000$ / session

Special research program
in Artificial Intelligence dedicated to
Agriculture project in collaboration with
renown research center
4 months program

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