



IoT for Agriculture

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UAV / DRONES

An unmanned aerial vehicle (UAV), also known as a remotely piloted aircraft (RPA) or unmanned aircraft system (UAS), is a machine which functions either by the remote control of a navigator or pilot (called a Combat Systems Officer on UCAVs) or autonomously, that is, as a self-directing entity.



Drones Market
\$2.07 Billion in 2022

Agriculture
1st professional user



France is a pioneer
270 operators
for agricultural applications

Start & Growth

Monitoring



Crop
monitoring



Animal
monitoring



Building
& equipment
monitoring



Research



Smart data

Miscellaneous



Applications



Mapping



Spreading

Actions



Variable-Rate
Fertility



Diagnosis
of diseases



Water stress



Crop yield



Soil erosion



wild game
damage

Analytics

SOME ACTORS



Drones



Accessories



Data Services

eBee
senseFly



The precision
agriculture drone





SDR

Drone for precision
agriculture





UAV for spreading





PRECISION HAWK



Asses plant health,
allocate water,
detect weeds,
monitor seasons,
and do surveillance





AIRINOV
Le drone pour une agriculture intensive durable

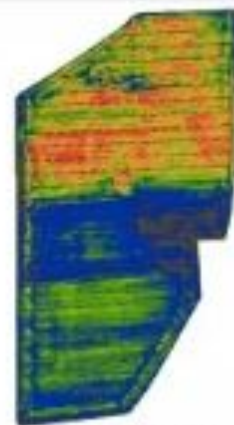
Fertilization recommendations for wheat and rapeseed, wild game damage



Parcelle : 0143
Latitude : 47.43
Longitude : 1.033
Acquisition : 04/05

Estimation de N2O5 : 17/04/2015 (kg N/ha)

Le N2O5 est un gaz à effet de serre qui contribue à l'acidification des sols et à la dégradation de la qualité de l'air. Son estimation permet de mieux comprendre les processus de dégradation de la qualité de l'air et de l'eau, et de mieux gérer les ressources naturelles.



Acide absorbé (kg N/ha)

80 100 120 140 160 180



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Survey large amounts of land,
detect areas of stress, and
monitor irrigation systems

Scouting, Mapping & Analytics

 **HONEYCOMB™**
AGRICULTURAL DRONES & DATA SOLUTIONS



Agribird



Monitoring, analytics and spreading

RED
BIRD

**Agricultural research,
field crops and vine-growing,
diagnosis of diseases**





Agribotix Hornet

Built for Agriculture

**Image stitching,
field health report,
variable application report
field weather data**



cyleone



Mapping, weather report
count, crop yield,
wild game damage,
normalized difference vegetation
index, water stress



**Mapping bio-physical
agronomic parameters,
monitoring, scouting,
damage assessment, farm
maintenance**



