

# The Future is BioControl

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# The Future is BioControl





# Syngenta Biologicals research

Innovation powered by nature



**Unrivalled science platforms**  
across all  
relevant biological  
technologies



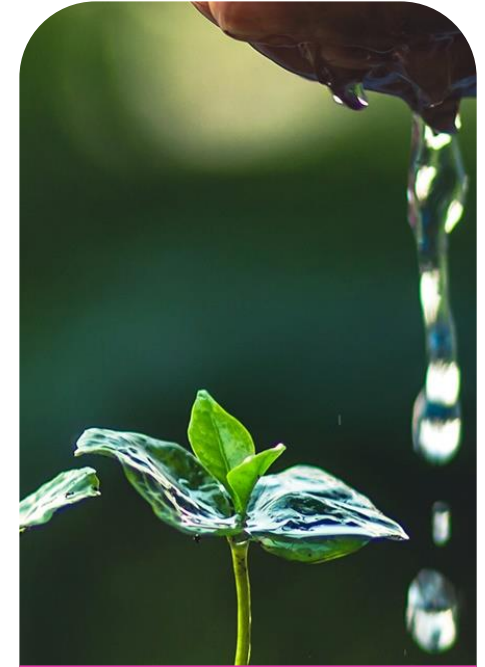
Complementary  
discovery engines for  
**biocontrols, biostimulants  
and NUE**



Unique R&D footprint  
combining the best  
of **Syngenta  
and Valagro**

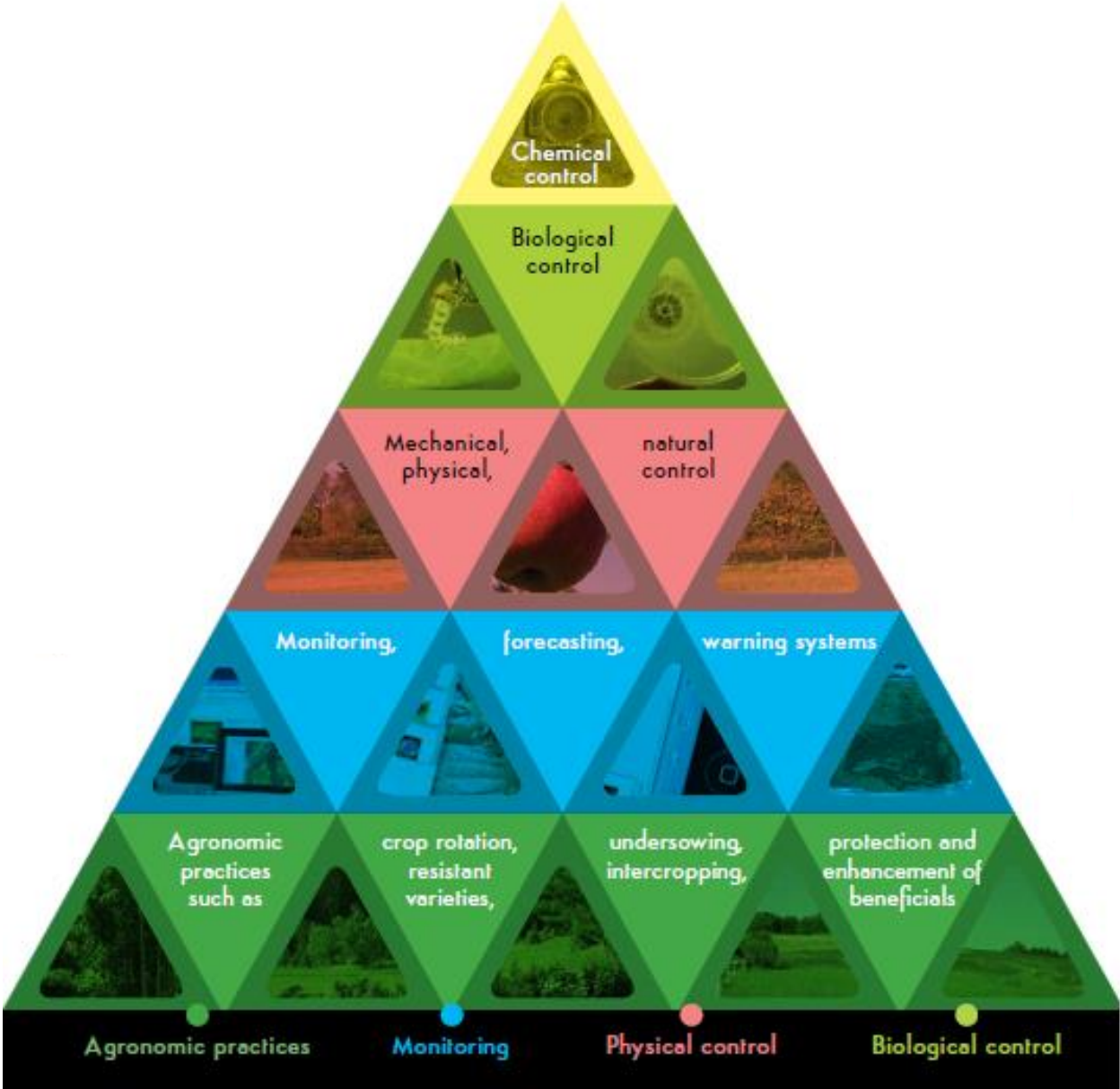


**Collaborator  
of choice** across  
the external innovation  
ecosystem



**Fast science  
and technology evolution**  
promises great future

# What have we learned?





# EU Farmers Dilemma

Policy vs cost squeeze - production optimization with increased complexity!

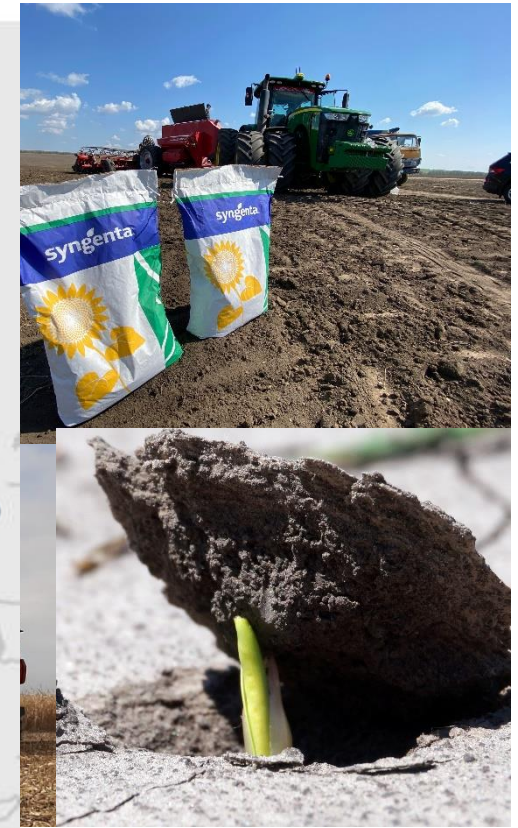
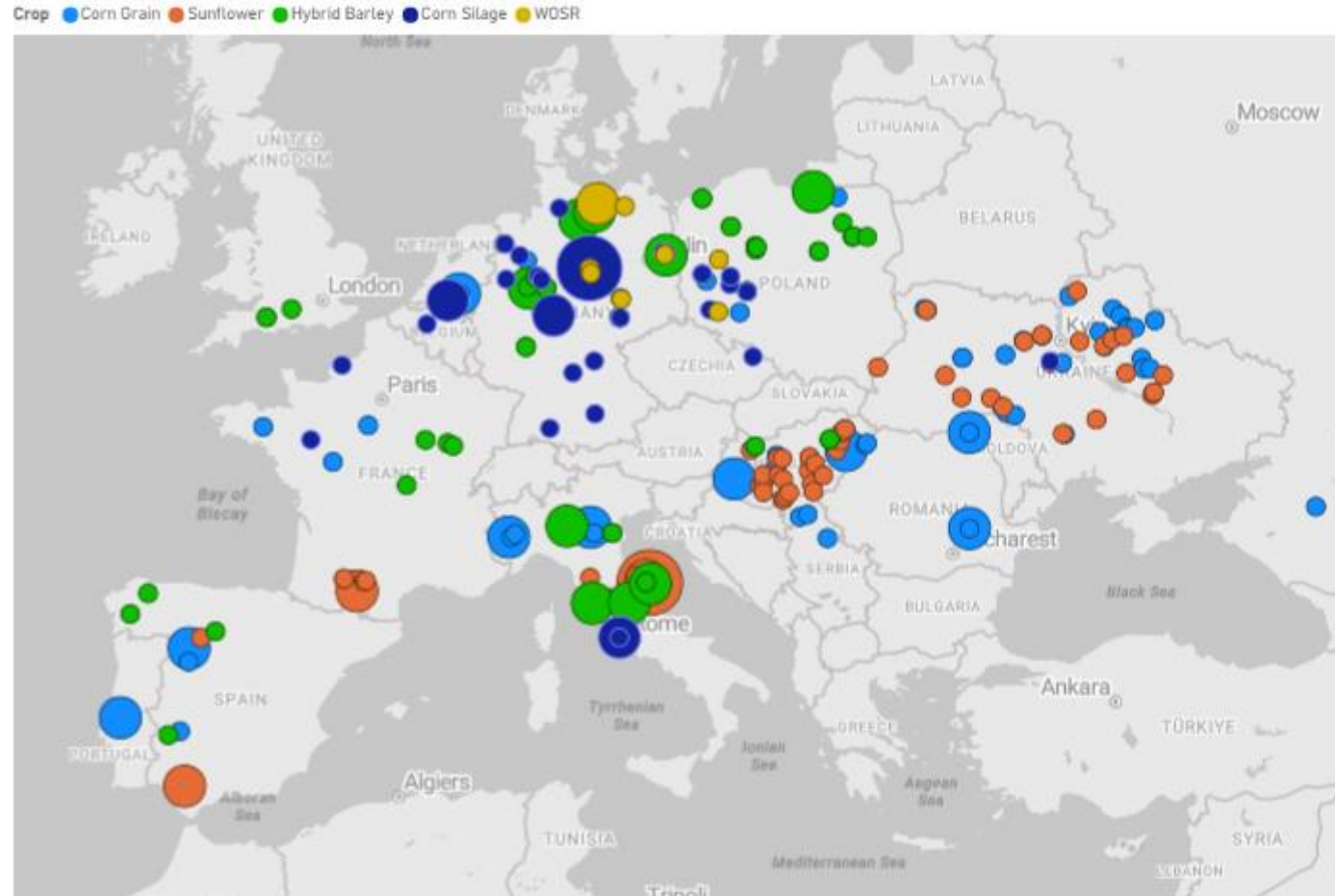
- Produce more with less inputs
- More attention with less people
- Subsidies & complex policies
- Food chain demands
- Low consumer trust
- Climate challenges





# Soil health & plant health research into practice

Rotation, cultivation, cultivar, variable planting, nutrition & stress management





# Fields are generating gigabytes of data

Sensors, drones, satellites



# Data → Pest monitoring, forecasting & decision support

## Field Context

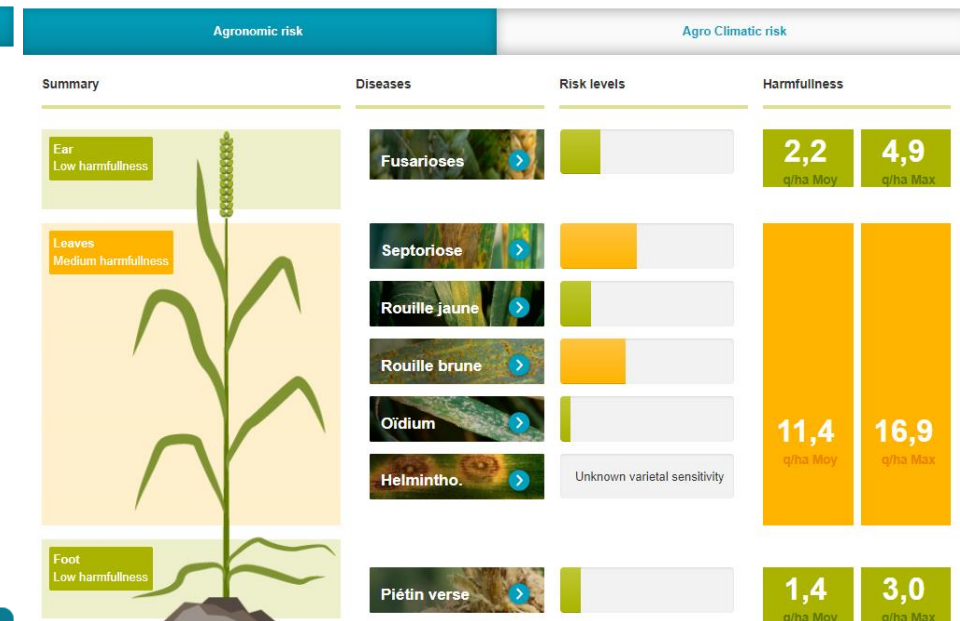
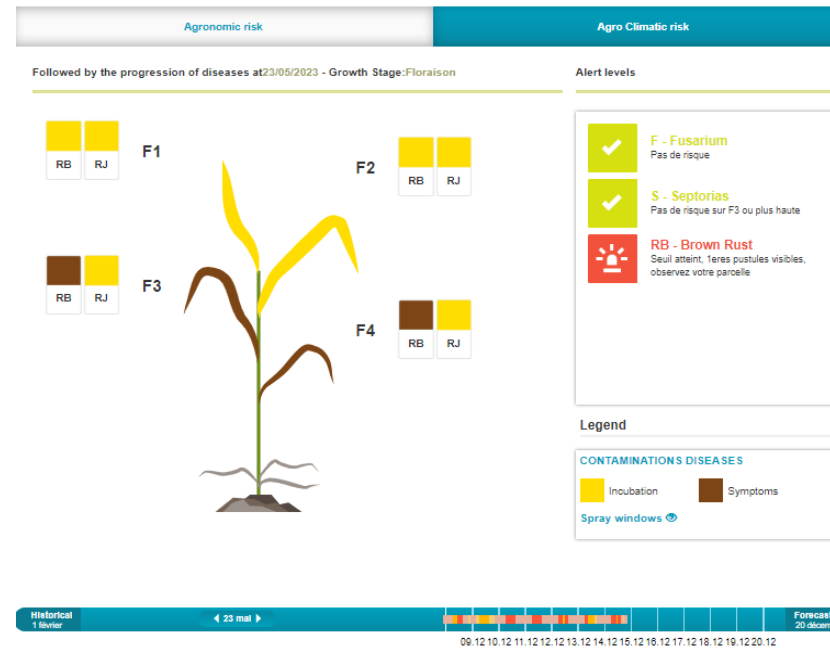
location & basic agronomic practices

## Single Disease risk

incubation & symptom prediction leaf by leaf

## Disease complex risk

average yield loss expected





# Compliant treatment, reporting & transparency increase.....drama decrease.....

Compliance & food chain Documentation

Diagnose & Product Selection

Select a preferred control strategy  
Ranked based on level of efficiency

**Strategy - 1** Strategy Fit: 90%

Application 1 | PRE EMERGENCE (BBCH <09)

**Gardoprim Plus Gold**  
Dose: 4l/ha

Application 2 | EARLY POST EMERGENCE (BBCH 12-14)

**Listego**  
Dose: 1.2l/ha

Applicable Seeds Technology:  
**CLEARFIELD**

**Strategy - 2** Strategy Fit: 90% <

Applicable Seeds Technology:  
**CLEARFIELD**

**Strategy - 3** Strategy Fit: 90% <

Applicable Seeds Technology:  
**CLEARFIELD**

Digital Product info

Plan Spraying

Here are the best nozzles matching your spraying. Select one nozzle to see recommended settings:

**Ideal Nozzle**  
01 Defy 3D 100-01

+ Add to your equipment

**Recommended settings**

Pressure and drift

75%  
1.0 90% 50% 7.0

Pressure 2.0 bar

Forward speed 12 km/h

Predicted Drift Reduction 50%

**Spray parameters**

Product Actend Adage 700 WS

Water volume 280 L/H

Predicted droplet size M

**Buffer zone**

Terrestrial See state law

Aquatic See state law

Slope Buffer zone 5 m

Source: Homologa®, Last update: 01.01.2023

< Back 2 / 2 Finish

Field book generated from 01 Oct. 2023 at 31 Oct. 2023

Save as draft Submit Cancel

Farm Details Off-field CP Treatment Info **CP Treatments Details** Seeding CP Treatment Info Post Harvest Details Building CP Treatment Info

Search

Field	CP Product Detail	Type of phytosanitary product	Product	Active Ingredient	Registration number	Total quantity
Field -5.942550882, 43.515705443	Denominación común	Swirskii-sobre-Biosur	AMBLYSEIUS SWIRSKII			1.00
Field 33.30.0.0.1.11.1	Denominación común	Hussar	Iodosulfurom-Metlico-Sódico 50			0.00
Field 33.30.0.0.1.11.1	Denominación común	AXIAL	PINOXADEN			0.00
Field 33.30.0.0.1.11006.1		Testing Fertilizer 2				0.00
Parcela 2	Producto fitosanitario registrado	ABAMECTINA 1.8 EC KEY	ABAMECTIN			0.00
Field 33.30.0.0.1.382.1		Testing Fertilizer 2				0.00



Buffer Zone Recommendation





# The Future is BioControl... and Modern Farming





Thank you