

### MINISTÈRE DE L'AGRICULTURE ET DE L'ALIMENTATION

Liberté Égalité Fraternité



#### **French Ministry for Agriculture and Food**





### 1. USE OF PHYTOSANITARY PRODUCTS IN FRANCE : WHERE ARE WE ?



#### Sales of active substances in PPP in France

- A mixed evolution of sales of active substances excl. AB and/or biocontrol since 2009
- Since 2016, there is an inflexion, except for 2018
- Since 2009, continuous growth of active substances for AB and/or biocontrol sales.



Source : Ministère de la transition écologique



#### Sales of CMR active substances in PPP in France

- Carcinogenic, Mutagenic or toxic for Reproduction (CMR)
- Sales of CMR active substances have decreased over the years going from 18,3 millions kg in 2009 to 8 millions kg in 2020.





## Some progress has been made but needs to be confirmed and strenghtened

- Growing awareness of the negative impacts of chemical PPP on human and environmental health (on water, soil, and/or non-target organisms)
- Occurrence and development of resistant pathogens
- Decreasing number of approved active substances
  - ⇒ There is a real need to confirm and strengthen the progress and to build up alternative solutions to chemical PPP ; biocontrol is part of the solution.



## **2. FRENCH BIOCONTROL REGULATION**

#### FRENCH REGULATORY FRAMEWORK



### **Biological control in France**

### 2009

Regulation (CE) n°1107/2009

#### Low-risk a.s and PPP

**Directive 2009/128/CE** "Sustainable use of pesticides"

#### **ANNEX III**

General principles of integrated pest management

Sustainable biological, physical and other non-chemical methods must be preferred to chemical methods if they provide satisfactory pest control. 2010

French law on the national commitment to the environment

Introduction of a regulatory framework for the **use of biological control agents (macroorganisms) against plant pests** 

#### Entry into force in 2012

### 2014

French law of the future for food, agriculture and forestry

- Introduction of the term "biocontrol" in legislation. It includes macroorganisms and plant protection products of natural origin
- Establishment of a specific regulatory network to ease the development of biocontrol methods, in particular when they are of low risk

#### How do we define biocontrol?

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Natural = exists as such in nature (but may be produced chemically) Plant protection products with « natural » active susbtances



#### What are the benefits of biopesticides in France?



Other measures to encourage the sales of biopesticides :

- Advertising authorised on the back cover of professional magazines
- Discount allowed
- Certification not always required for a professional applicator (in case the PPP has no classification)



## **2. FRENCH BIOCONTROL REGULATION**

## THE LIST OF BIOCONTROL PLANT PROTECTION PRODUCTS

#### Natural does not always mean low concern...

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The Ministry of Agriculture and Food publishes the list of biocontrol products that are of low concern on a monthly basis





## Evolution of biocontrol products by category of active substances



Micro-organismes Semiochemicals Natural substances Traps TOTAL



## **2. FRENCH BIOCONTROL REGULATION**

#### **MACROORGANISMS VALUABLE FOR PLANTS**



### Focus on biological control agents (macroorganisms) Which? What? How?

Non-indigenous organisms (at strain level) introduced in France after 2012 (year of entry in force of the regulation)

Need an authorisation delivered by the Ministers in charge of agriculture and the environment The applicant sends a dossier examined by the French Agency for Food, Environmental and Occupational Health & Safety

- BCAs are authorised for an organism, a producer and for a specific territory
- About 330 non-indigenous BCAs are authorised (114 non-indigenous species)
- About 70 indigenous BCAs are declared (20 indigenous species)



2012 2013 2014 2015 2016 2017 2018 2019 2020 2021



# 3. NATIONAL STRATEGY FOR THE DEPLOYMENT OF BIOCONTROL

#### **HOW TO GIVE A NEW IMPETUS TO BIOCONTROL**



## Despite major progress, biocontrol deployment still faces challenges

Limited solutions, all plant protection uses are not covered by biopesticdes of low-concern

May need collaborativ and coordinated actions (semiochemicals)

Variable efficiency according to application's conditions, abiotic and biotic factors

Biocontrol requires support and training

Need to adapt agro-machinery, storage and distribution

Lack of recognition at EU level



# The French national strategy to promote biocontrol 2018

French law for the balance of trade relations in the agricultural and food sector and healthy, sustainable and accessible food to all

The French parliament enacted the need to implement a :

National strategy for the deployment of biocontrol



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2018

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### National strategy for the deployment of biocontrol



## How the agricultural transition is supported in France? Some examples :



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