



# Think future

## Biopesticides innovations & robust regulatory systems

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# We are Committed to the Sustainable Use of Pesticides

## Industry responsibility to develop solutions that are:

- Innovative
- Effective
- Safe
- Sustainable

## CLE member companies are market leaders actively developing new solutions:

- Both conventional chemistry and biopesticides (e.g., micro-organisms, semiochemicals, natural substances)
- For both conventional and organic growers
- In an integrated approach with complementary technologies and agricultural practices



**Innovation & Investment**

**Invest 4 billion euros into innovation in biopesticides by 2030.**

more with less

European Crop Protection



**Innovation & Investment**

**Invest 10 billion euros into innovation in precision and digital technologies by 2030.**

more with less

European Crop Protection



**Circular Economy**

**Ensure that a container collection scheme is available in all EU Member States by 2025** expanding the programme in two additional Member States each year.

more with less

European Crop Protection



**Circular Economy**

**Establish an average 75% collection rate of plastic pesticide and biopesticide containers across EU Member States by 2025.**

more with less

European Crop Protection



**Protecting People & the Environment**

**In order to further reduce operators' exposure, make Closed Transfer Systems (CTS) technologies available to 100% of European farmers and operators by 2030.**

more with less

European Crop Protection



**Protecting People & the Environment**

**By 2030, train 1 million advisors and farmers on best management practices for farmer health protection – as well as for water and the environment.**

more with less

European Crop Protection

# A key role for biopesticides and integrated solutions

## Growing consumers and societal demand for sustainable food systems

- **Harnessing the power of nature:** more opportunities to develop IPM-compatible products with favourable toxicological and residue profile
- **Natural does not mean safe:** ensuring safety should remain a priority with proportionate and science-based regulation

## EU farmers need efficient tools to tackle pests and diseases

- **Filling the toolbox:** making available effective solutions, including biopesticides, without unnecessary delay to address a lack of solutions
- **Integrated solutions:** holistic approach to crop protection combining biopesticides, conventional chemistry, seeds, plant breeding innovation, precision agriculture and best agronomic practices



# Biopesticides and 1107/2009



- **Evolution, not revolution:** Better implementation of existing EU regulation can help foster development and approval of effective and safe biopesticides
- **Data requirements update for micro-organisms**
  - CLE welcomes this development as it will benefit applicant dossier preparation and look forward to have it implemented rapidly
- **Guidance document for biochemicals**
  - CLE supports the development of a biochemical guidance document to encompass innovative solutions such as peptides, RNAis and fermentation products
  - We believe that specificities of semiochemicals and plant extracts are properly addressed with the existing guidance documents and could be used to build guidance for other categories
- **A proportionate and science-based regulatory guidance to ensure timely approvals of biopesticides**

# Biochemical guidance & forum can support innovation

## Innovation such as:

- Peptides, RNA-i, Antibodies, Secondary metabolites derived from microorganism,...

## A general **biochemical guidance document** and **forum** are needed

- Such guidance can be **rapidly developed** based on existing guidance as similar criteria apply
- We estimate such guidance would provide **regulatory clarity to address ca. 90% of new biopesticides innovation** beyond micro-organisms and viruses.
- Forum can serve as **expertise hub** to address remaining 10% and provide qualifications to applicants

# Advantages of embracing a biochemical guidance and forum

- It fits the current regulatory system – no adaptations needed.
- It can apply to a broad range of molecules and adapt the data requirements to molecules on a case-by-case basis
- It can build upon the botanical and semio-chemical guidance and be developed rapidly.
- It would bring the needed predictability to potential applicants
  - Numerous projects are in companies' pipeline, but uncertainty of the applicable regulatory framework makes it difficult to consider Europe for submissions.

# Exploring parallel streams

- We welcome the BTSF program !
- While technical capacity is being built, we suggest to start a discussion with EFSA but also COM and MS on:
  - The creation within EFSA of a **specialised section** – with experts on biopesticides (like in the US EPA) - within the existing EFSA Pesticide Unit.
  - The **decoupling within PRAPER meetings** of biopesticides from other substances.
    - Precedent already set in Q1 2020 with [Pesticide Peer Review Experts' meeting Microorganisms - March 2020](#)
  - Allocation of a **fixed part of the SCoPAFF agenda to biopesticides**, avoiding any hold up after publication of EFSA conclusions.

# Take home messages

- By understanding the R&D selection process of innovations, we can shape a robust regulatory system
- A better implementation of existing EU Regulation can help foster development and approval of biopesticides
- A biochemical guidance document and forum for exchange are necessary to meet these objectives and adequately foster the development of biopesticides



# Thank You

