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# The Biocontrol products

## CEUREG XX

BRNO - October, 10, 11 2016

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# Presentation of the BNEVP : Main missions

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# Organisation

BNEVP is directly  
attached to the  
Directorate  
for food (DGAL)

**French Ministry of  
agriculture,  
food industry  
and forestry (MAAF)**

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# Organisation

- 16 state employees
- 12 investigators
- **Phytopathological field : 5**
- Veterinary field : 7
- Nationwide investigations
- Frequent collaborations with :
  - **OCLAESP** (Central Office against infringements on environment and public health)
  - **SNDJ** (National Customs Judicial Enquiries)



# BNEVP's Domains of intervention in Phytosanitary field



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- Misappropriation of use of plant protection products
- Distribution of non-authorized phytosanitary products
- Trade of illegal and counterfeited products :
  - on a national scale
  - **on an European and international scales**
- Supervision of production, storage and marketing sectors





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# Biocontrol and Biocontrol products: what are we talking about?

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# European regulation context

- .Directive 2009/128/EC of 21 October 2009
- .Establishes a framework for community action to achieve a sustainable use of pesticides.
- .Regulation 1107/2009 of 21 October 2009
- .Concerns the placing on the market of plant protection products
- .The main purposes are :
  - . to reduce the use of chemicals pesticides to avoid non intentionnal effects
  - . to encourage non chemicals solutions and promote natural mechanisms for plant protection.







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# National regulation context: « *Future Law* » and application texts



One of the aims of the french ministry of agriculture is to reduce the use of pesticides and to help farmers adopting and applying the principles of agroecology. These principles include the use of Biocontrol's methods.





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## Biocontrol : what is it ?

Biocontrol is a whole of crops protection methods based on natural mechanisms and biocontrols products ( microorganisms and natural substances)





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# Biocontrol products:

## Definition of biocontrol products :

By biocontrol products we mean agents and products, using natural mechanisms within the framework of integrated control of the enemies of crops





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# Biocontrol products

- .Biocontrol products contain active substance approved in accordance with regulation (EC) 1107/2009.**
- .Biocontrol products must have a national market authorization delivered by ANSES (\*)**
- .These products benefit from accelerated assessment and authorization procedures**

(\*)(National agency of, sanitary safety, food, environment and work).





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# Biocontrol products:

In particular, there are:

1) Macro-organisms (invertebrate)

- Insects, acarids, nematodes

2) Phytosanitary products :

containing active substances listed in 3 families

- micro-organisms

- chemical mediators (pheromones and kairomones)

- natural substances from vegetal, animal or mineral origins





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# Macro-organisms



## 1) for native macro-organisms :

there is no need authorization

## 2) for non-native macro-organisms:

preliminary authorization is required before new introduction in the environment or enclosed environment (exception for the non-native macroorganisms introduced before the new regulation).

**Actually about 365 macro-organisms and 96 species**





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# French feature : low-concern natural preparation, (« Préparation Naturelle Peu Préoccupante » : PNPP in French)

PNPP is only made up of :

## 1) Basic substances (article 23 of Reg 1107/2009)

*«...is not a substance of concern ; and is not predominantly used for plant protection purposes but nevertheless is useful in plant protection either directly or in a product consisting of the substances and a simple diluent ; and is not placed on the market as a plant protection product...»*

## 2) Natural substances with biostimulant uses (general definition)

**« ...Substances that are applied to plants or soils to regulate and enhance the crop's physiological processes, thus making them more efficient... »**





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## Basic substances

• Simplified evaluation and approbation by UE :  
• <http://ec.europa.eu/food/plant/pesticides/>

• Useable without any Authorization of placing on the Ma

• At the moment in France , there are 11 approved basic sust  
• - **Equisetum arvense (horsetail), Salix spp (willow), vine**







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## Natural substances with biostimulant uses

- .Authorization issued by ANSES after an evaluation and inscription on a positive list by the Ministry of agriculture : **No national market authorisation required**
- .Substances with vegetal or animal or mineral origins without harmful effects
- .Like basic substances , no advertising for other allegation than biostimulant : no phytosanitary allegations written on the labelling of product.





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# Stakes for the control of biocontrol products

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## Stakes for the control of biocontrol products:

- .A lot of publicity actually about « natural product, bioproduct, biosubstance, biocontrol.... »
- .Sometimes hard to clearly identify the differences between basic substances, biostimulant and biocontrol products
- .Complicated regulation with borders effects between the different products.
- .Risk for unscrupulous people or cheaters who want to sell « natural products » without authorization.
- .New domain of investigation with a source of infringements
- .Non-stabilized Regulation : new texts must be published nearly





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# THANK YOU FOR YOUR ATTENTION

If you have any questions please send them to :

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