



Food and Agriculture  
Organization of the  
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International  
Plant Protection  
Convention



Department  
for Environment  
Food & Rural Affairs

# Biocontrol: solving sustainable pest control

Dr R L Gwynn, Vice President, International Biocontrol Manufacturers Association

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London, 21 – 23 September 2022

## International Plant Health Conference



# The pest control problem





## Functioning ecosystem



# Biocontrol Technologies

**Invertebrates**



**Microbials**



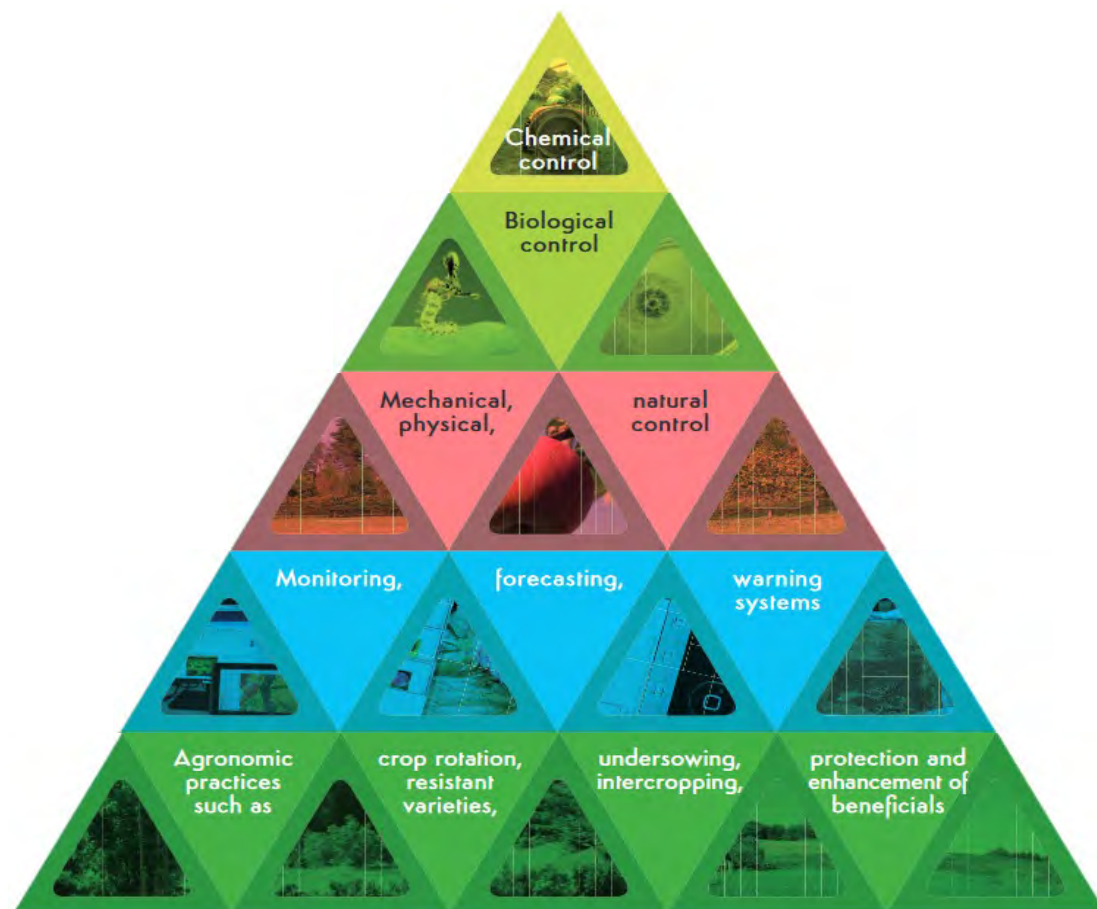
**Natural substances**



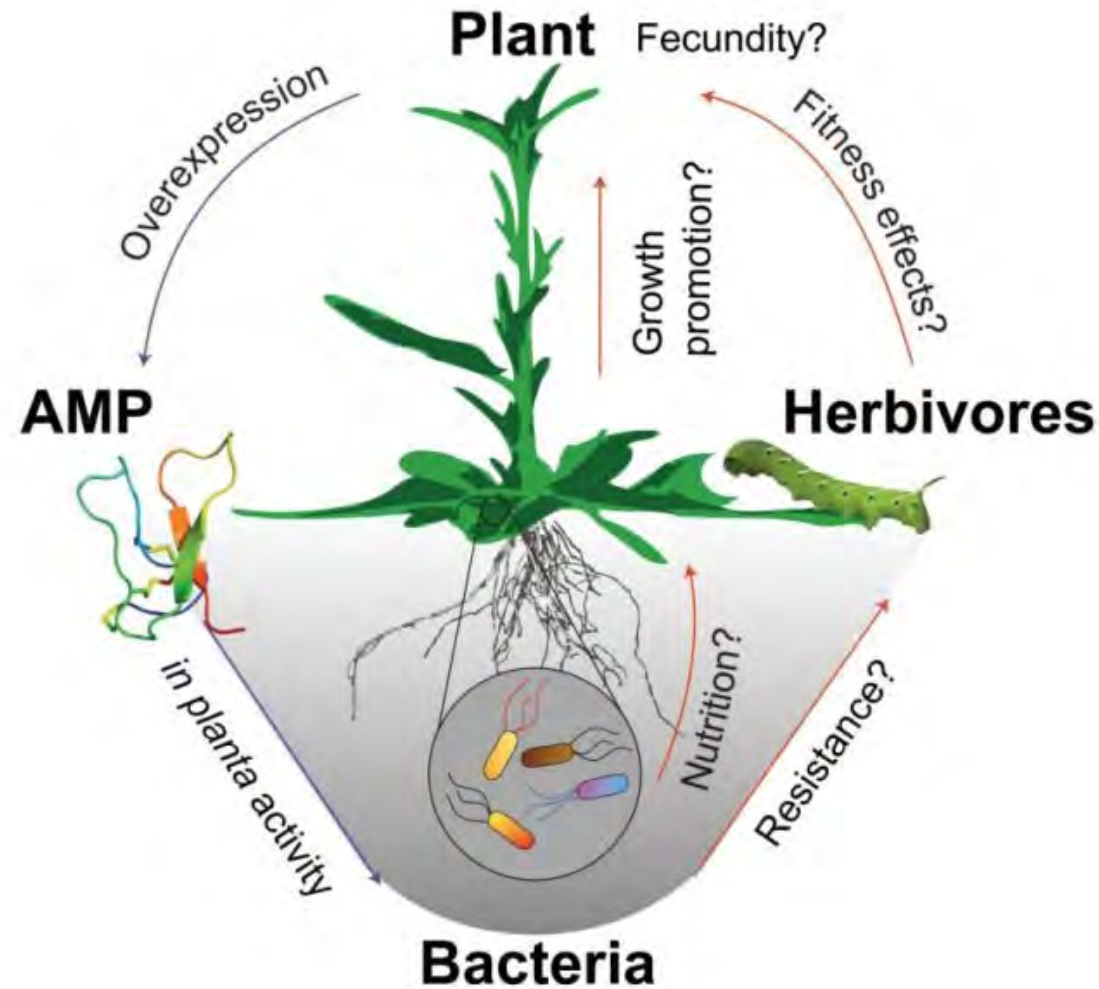
**Semiochemicals**



# Good practice IPM



# Plants in the agroecosystem



Source: Max Planck Institute for Chemical Ecology 2017



## Biocontrol is much more than 'pest control'



# High uptake of biocontrol in greenhouses





## Uptake of biocontrol in speciality crops

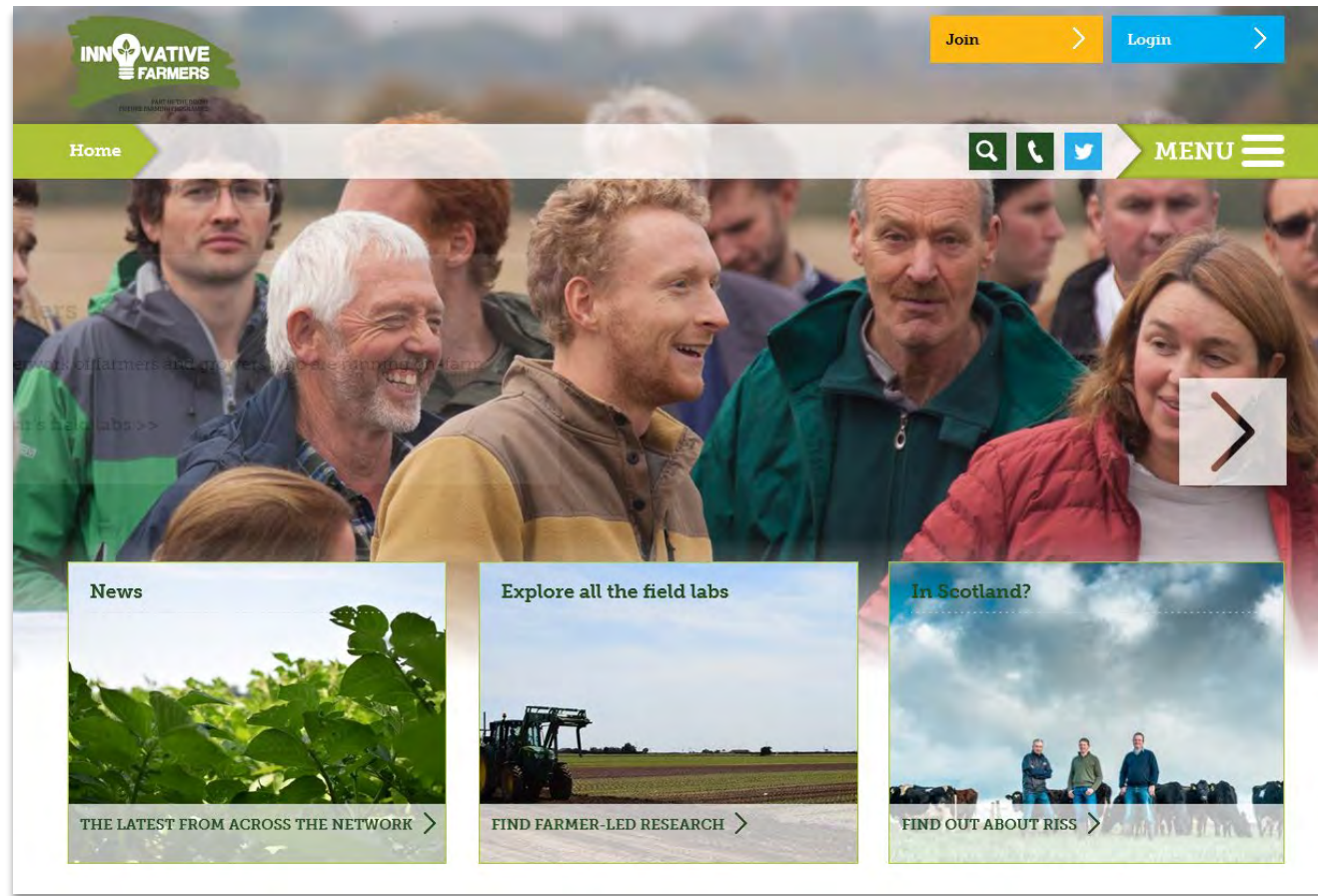


## Lower uptake of biocontrol in arable





# Biocontrol adoption



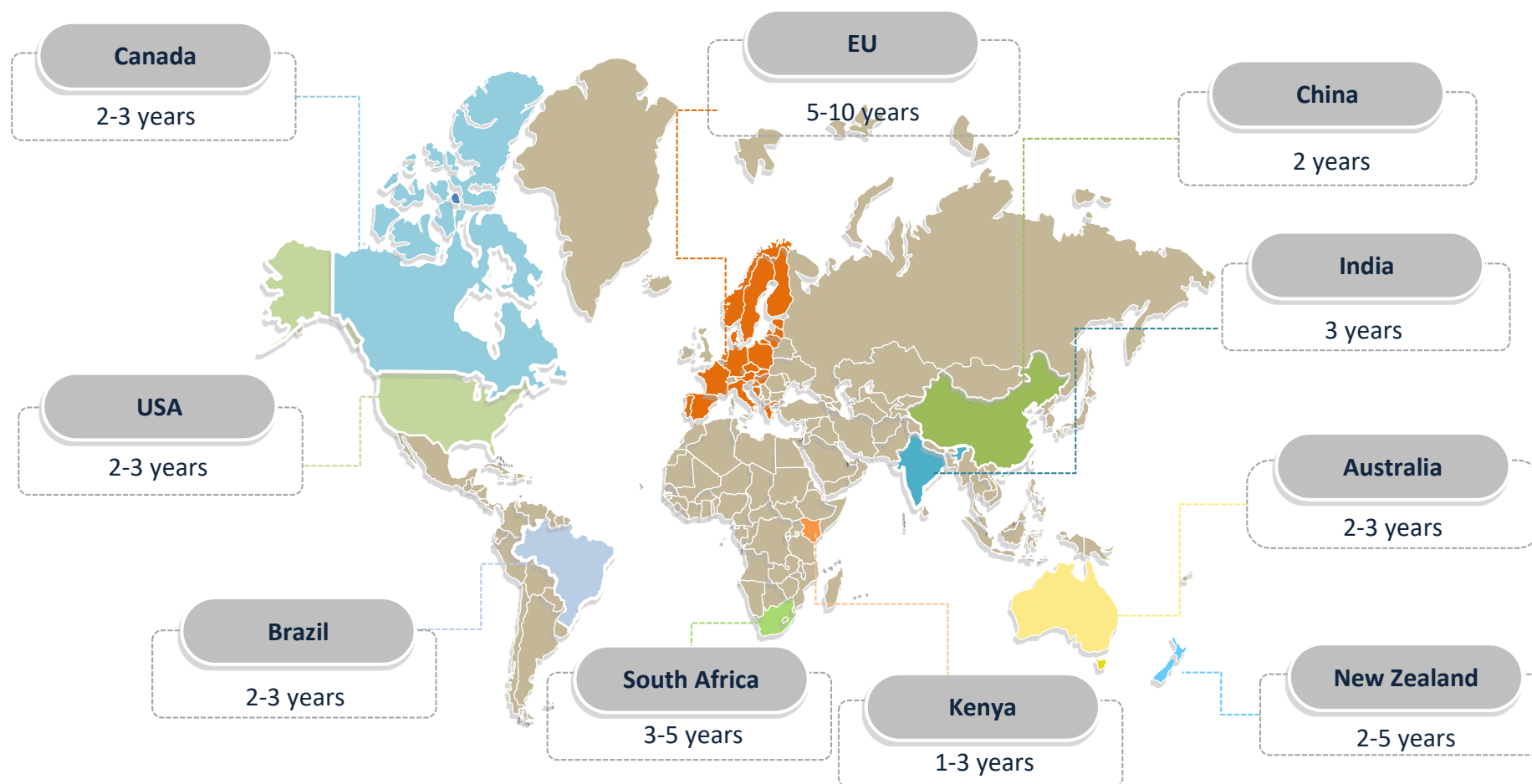
<https://www.innovativefarmers.org/case-studies/>



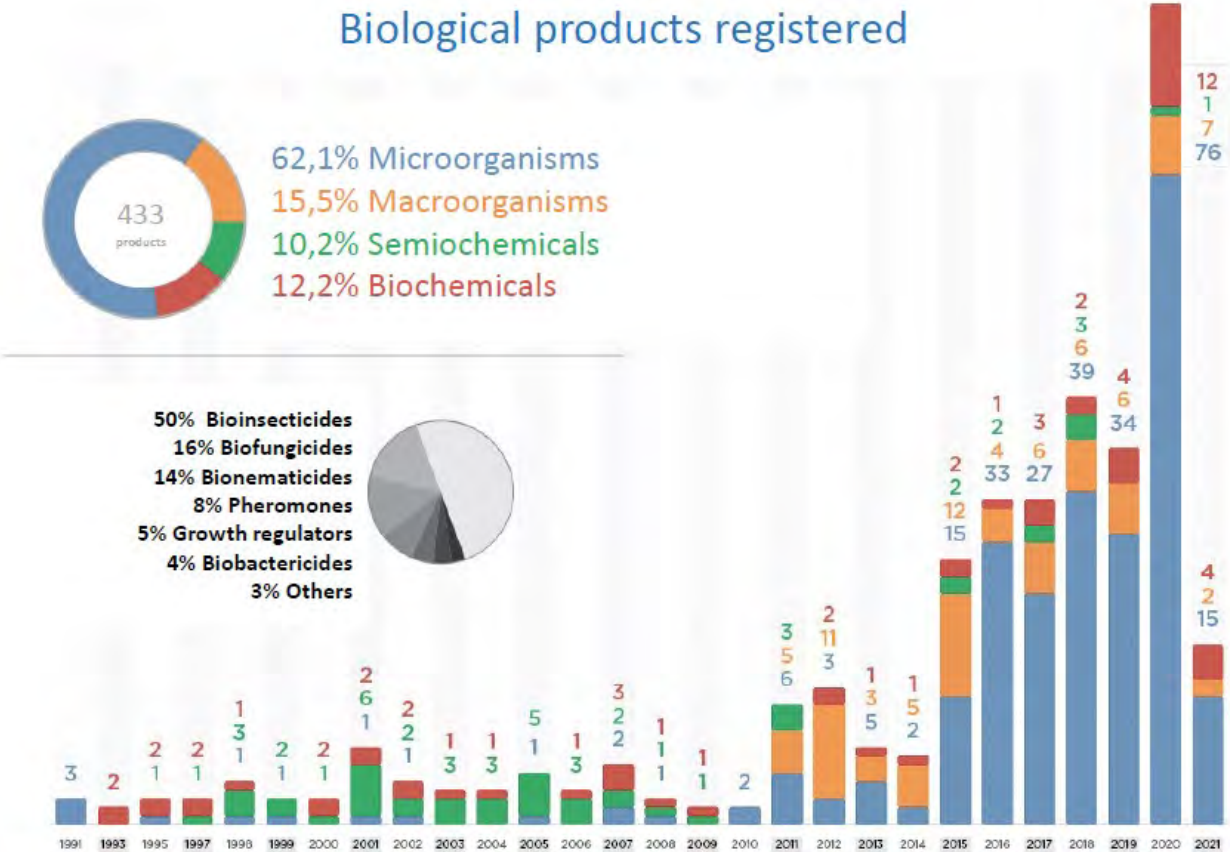
# Biological based crop protection



# Regulation - timelines



# Better regulation





## Biocontrol is for today's agriculture



Gabe Brown (2018) – Author of from “Dirt to Soil”  
and North Dakota farmer



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# Deliberations?

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