Sectoral and Geographical Mapping of Uptake of Organic Production Methods

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Outline of Presentation

- Integrated Pest Management
- Crop areas under biocontrol
- Farmer Experiences in implementation
- What have we learnt about implementation
- What do we need to do to accelerate the uptake
Integrated Pest Management (IPM) Triangle

The general principle of IPM is that the prevention and/or suppression of harmful organisms should be achieved or supported especially by alternatives to synthetic chemical pesticides.
Close to 100% of Greenhouses Growing Fruit and Vegetables use biocontrol
Approximately 20% of EU Vine Growing area uses pheromones and other biocontrol technologies
Less than 5% of arable crops use biocontrol
Status of uptake of biocontrol and alternatives is more advanced in horticulture than arable

- Arable
  - some good examples
  - But a lot to do

- Vines
  - many good examples
  - work in progress

- Protected Crops
  - Normal practice
Farmer Experience of Pheromone development in Vineyards
100% of Luxembourg vine growing area (1,296 HA) covered by pheromones.

“...for now more than ten years, we have been working with pheromone dispensers against vine moth. In Luxembourg the entire wine surface is being treated with dispensers and we work well with it... Since then, we do not use insecticides anymore.”
70% of the Swiss vine-growing area (10 500 ha) covered by pheromones

“Today, with hindsight of over more than 20 years, we can prove that attacks in vineyard under confusion are always lower than in conventional ones.”
100% of the vine growing area (9,700 ha) in Mezzocorona Trentino covered by pheromones

Claudio Ioriatti
Fondazione Edmund Mach

“Pheromones uptake was easy because the decision was not left for the individual farmers but was taken by the organisation.”
Farmer Experience of Biocontrol development in Arable
5% of arable crops use biocontrol to control pests and diseases.

"It takes a few years, but you start to see the results: the figures speak for themselves. The farm is turning into a profit." — Jean Philippe Petillon, Richeville
What have we learnt from implementation?

• Need a trigger to start IPM
• Farmer to farmer networks – led by farmers for farmers
• Multiple actors to help – advisers, researchers, companies
• Biocontrol works
• Be patient
Biocontrol is a reality: What do we need to do to accelerate the uptake?

- Proportionate regulation - more products to market faster
- Farmer to farmer sharing of best practice
- In field participation and training from researchers, advisers and companies
- Financial incentives to adopt new ways of farming
“Biological life is a force and once unleashed it will continue to grow and generate new life”

Gabe Brown (2018) – Author of from “Dirt to Soil”
Thank you for listening

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