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First results

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IPMWORKS farms

Survey #1 : 2021

Qualitative data: IPM awareness, IPM adoption, rough estimate of

pesticide use, and self-assessment

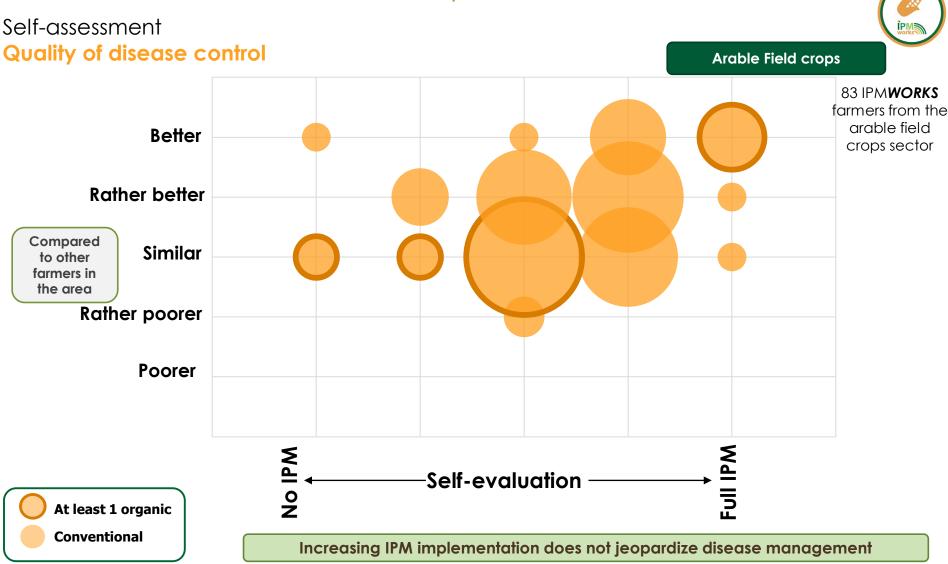
Survey #2: 2023
Quantitative data Details of cropping systems and crop management

- Computation of indicators of pesticide use and pesticide impact, indicators of cost-efficiency
- Demonstration that "IPM works"
- Survey #3: 2024
 Similar to Survey#1
 Evaluation of changes in IPM adoption in IPMWORKS farms thanks to the work done in the hubs

First results from survey #1



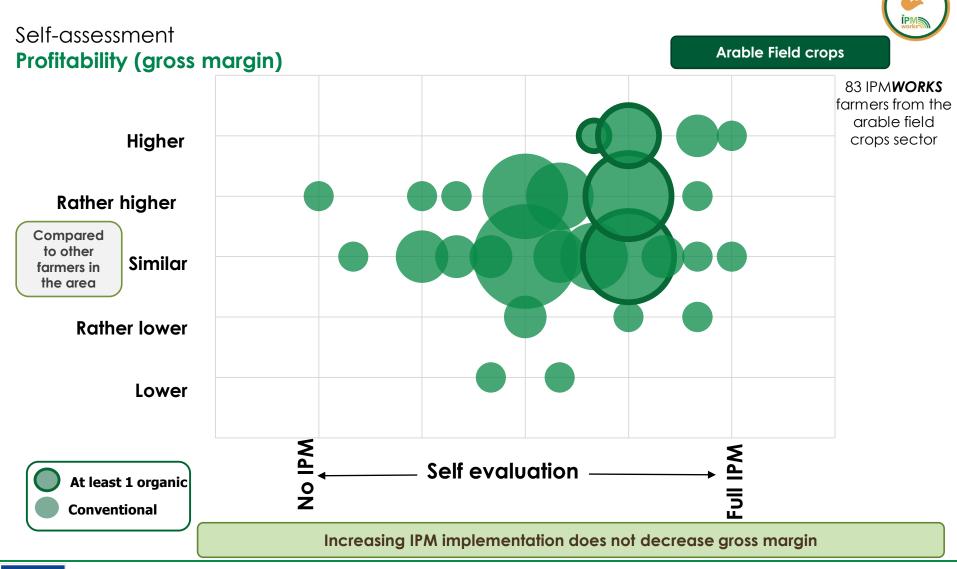
on IPM awareness, IPM adoption and self-assessment



First results from survey #1



on IPM awareness, IPM adoption and self-assessment



First results from survey #1



on IPM awareness, IPM adoption and self-assessment

Self-assessment Work load **Arable Field crops** arable field crops sector Higher Rather higher Compared to other Similar farmers in the area Rather lower Lower No IPM Self evaluation At least 1 organic **Conventional** Increased IPM implementation does not always increases work load

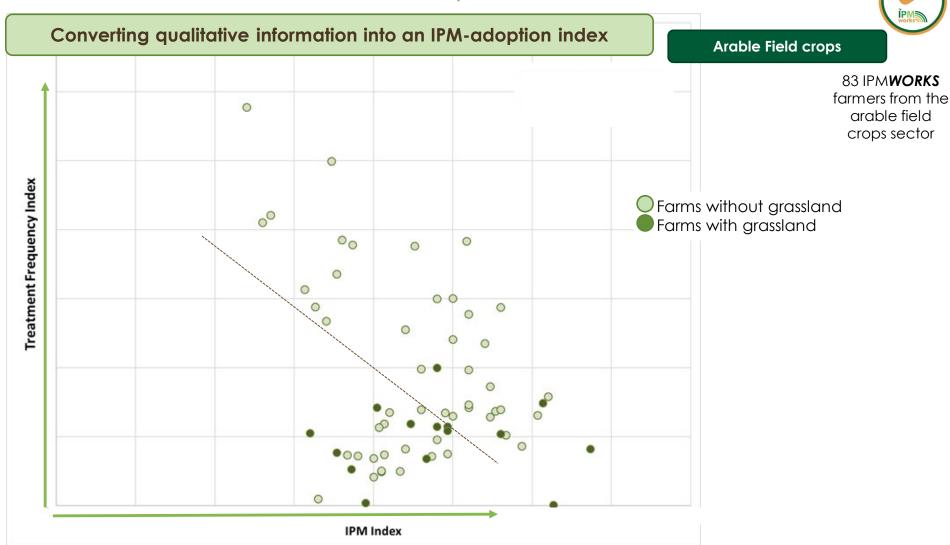
83 IPMWORKS farmers from the





Preliminary results from survey #1

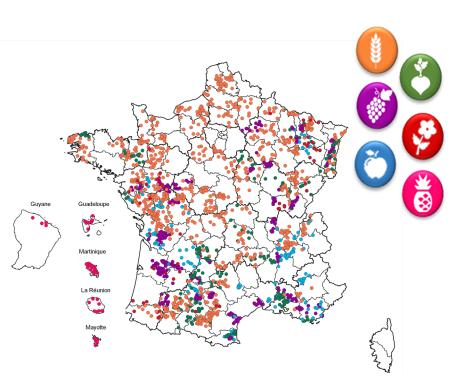
on IPM awareness, IPM adoption and self-assessment



Expected results from survey #2







Launched in 2010

2100 volunteer farmers

6 agricultural sectors arable crops, vineyards, orchards, vegetables, ornamentals, tropical crops

Same objective and methodology as IPMWORKS

Expected results from quantitative datawork

examples from the French DEPHY network

Development of the Treatment Frequency Index (TFI) from initial practices in 2010 to 2018-2020 [number of farms]

TFI



Arable field crops [774]: -26% ***

2,6 → **1,9**

Farms with low TFI in arable crops always combine several management measures, e.g.

Temporary grasslands

Crop diversification

Cultivar diversification

Cereal delayed sowing dates

Reduced doses/precision spraying

Soil tillage – alternating ploughing

Moderate fertilisation

(Lechenet et al., Agricultural Systems 2016)

Expected results from quantitative data

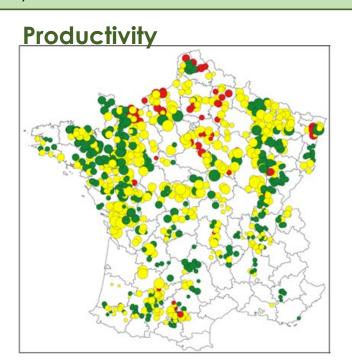
example from the French DEPHY network



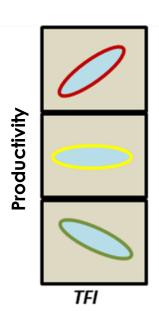


Sector: Arable Field Crops

Cost-efficiency of IPM, the correlation between pesticide use and performance Does low TFI = low productivity?



No difference or higher productivity by reducing TFI: 94% of sites



Lechenet et al., Agricultural Systems 2016



Expected results from quantitative data

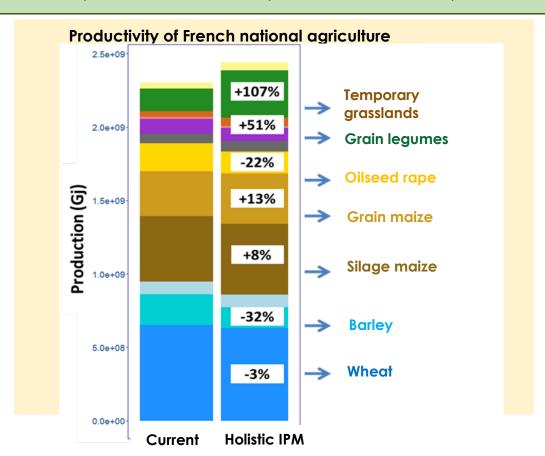


example from the French DEPHY network



Sector: Arable Field Crops

Scenario of general adoption of IPM-based systems at the country level -France



≈ +6%

Lechenet et al, Nature Plants 2017



THANKS for your attention!



The IPMWORKS Hub Coach 'Capacity building', May 2022, Toulouse, France





