A EUROPEAN NETWORK OF DEMONSTRATION FARMS
PROMOTING LOW PESTICIDE USE AND ECONOMICALLY
EFFICIENT MANAGEMENT STRATEGIES

A mixed farm reducing pesticide use thanks to holistic IPM

The Farm

Member of the DEPHY network
Region: Normandy (north-western France)
Area: 85 ha including 51 ha of grasslands and 34 ha of cereals
90 dairy cows
Specificity: on-farm marketing of milk, butter, cream

The strategy for pest/disease/weed management in cereals

• Crop rotation including temporary grasslands + maize and wheat
• Mechanical weeding (harrow + hoe) in maize
• Mixture of wheat cultivars, resistant to diseases
• Delayed sowing of wheat (escape weeds and diseases)

Cost-efficiency

Increase in equipment costs mechanical weeding
Increase in workload: harvest of temporary grasslands, mechanical weeding
Decrease in feed costs improved feed autonomy at the farm level
Increase in market prices

Results

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<tr>
<th></th>
<th>Weeds</th>
<th>Diseases</th>
<th>Pests</th>
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<tbody>
<tr>
<td>Temporary grasslands</td>
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<td>Maize</td>
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<td>Wheat</td>
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<td>Full cropping system</td>
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* Mechanical weeding is not always 100% efficient in maize

“I changed my farming practices and succeeded in reducing pesticide use, thanks to peer-to-peer exchanges with other farmers from my group of DEMO farms”, Clement Chevalier

IPMWORKS is a FarmDemo aligned project and is partnered with the IPM Decisions Project