

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

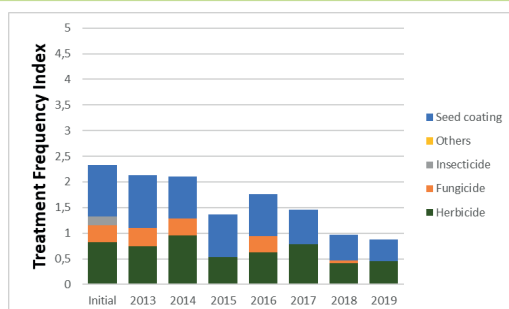
90 dairy cows

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)



Low and decreasing pesticide use

Results

	Weeds	Diseases	Pests
Temporary grasslands	😊	😊	😊
Maize	😊 😞*	😊	😊
Wheat	😊	😊	😊
Full cropping system	😊	😊	😊

* Mechanical weeding is not always 100% efficient in maize

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



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