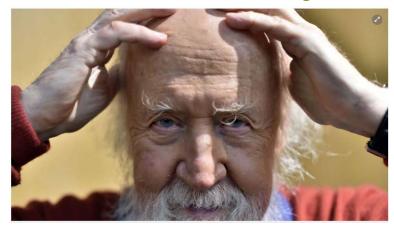
## «The disappearance of earthworms, as serious as climate change »



Soil health, setting for the future

What is a healthy soil?
What are its ennemies

Odette Ménard, ing. et agr. Conseillère en conservation des sols et de l'eau

Winnipeg, 2octobre 2019





31 Social reflexion

02 High speed technology

03 What is a healthy soil?

04 The partners

05 Cover and feed

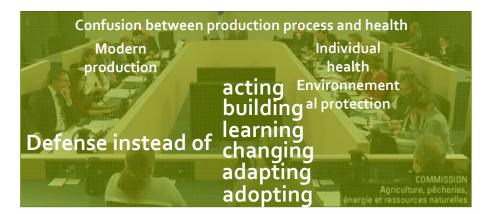


### Examine the impacts of pesticides on public health and the environment

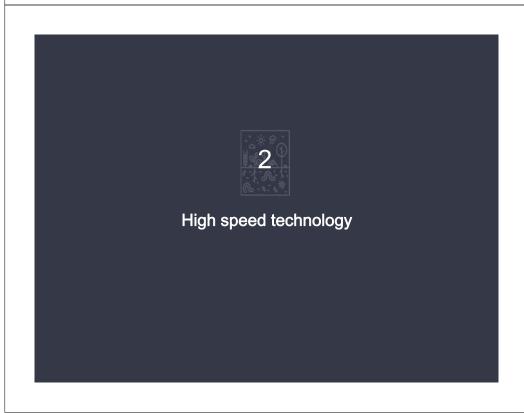


Soil health, setting for the future

#### Ennemy # 5

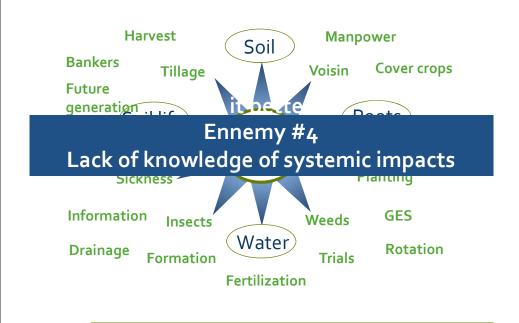


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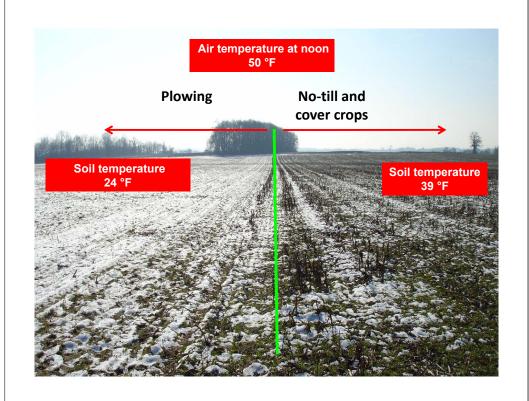




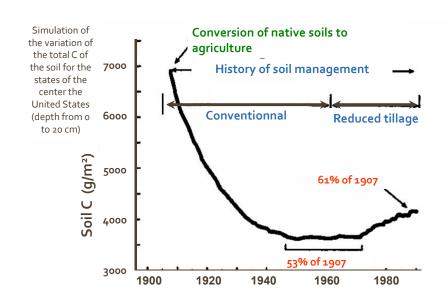












# Same soils: 2 different managements





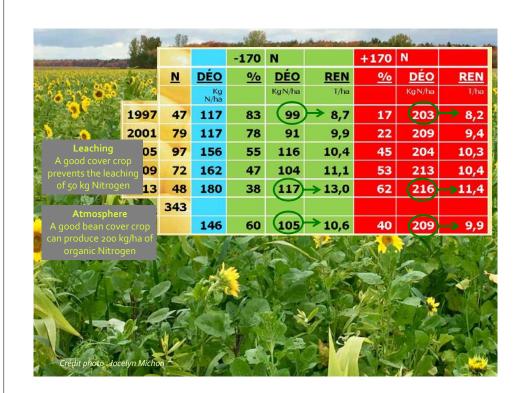


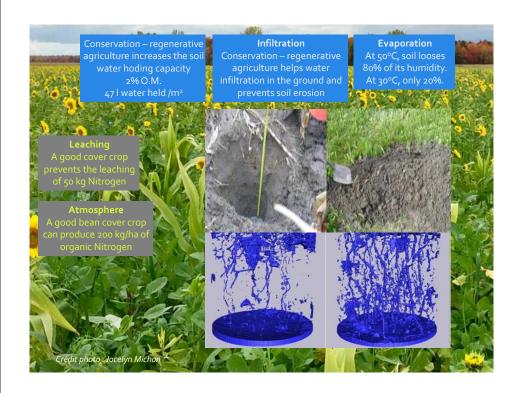
Infiltration: > 1,00 m/jour

Loam argileux Kamouraska

Crédit photo : Louis Robert

Soil health, setting for the futu

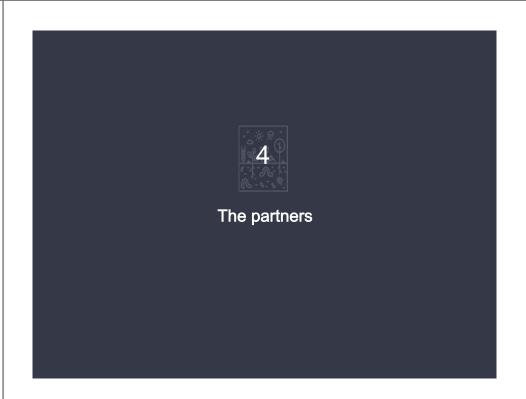




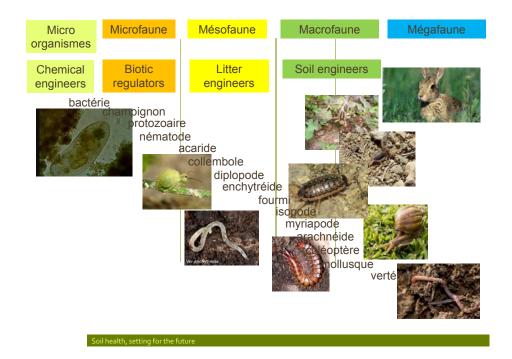




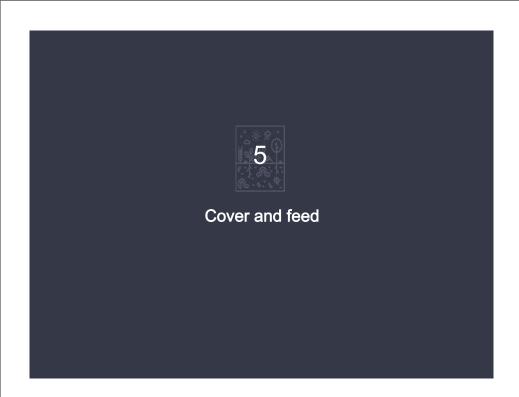
























### The objectives

	Extrêmement et très important
Profitability	92 %
Quality of life and work load	90 %
Yields	75 %
Innovation – Trials of new techniques or culture or rotations	59 %

Soil health, setting for the future

### Why we do it

		Extrêmement et très important		
Soil and water quality		34 %		
Environment		21 %		
Increase yields	3	18 %		
Interest in the practice	4	11 %		
Respect the law		6 %		
Reduce health hazards		4 %		
Reduce operating costs	1	3 %		
Reduce work load	2	3 %		

# Impacts of soil health management vs objectives

	+	Same state	So	-
Profitability	49 %	36 %	85 %	8 %
Quality of life	42 %	50 %	92 %	3 %
Work load	30 %	48 %	78 %	18 %
Yields	53 %	35 %	88 %	5 %

Soil health, setting for the future



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