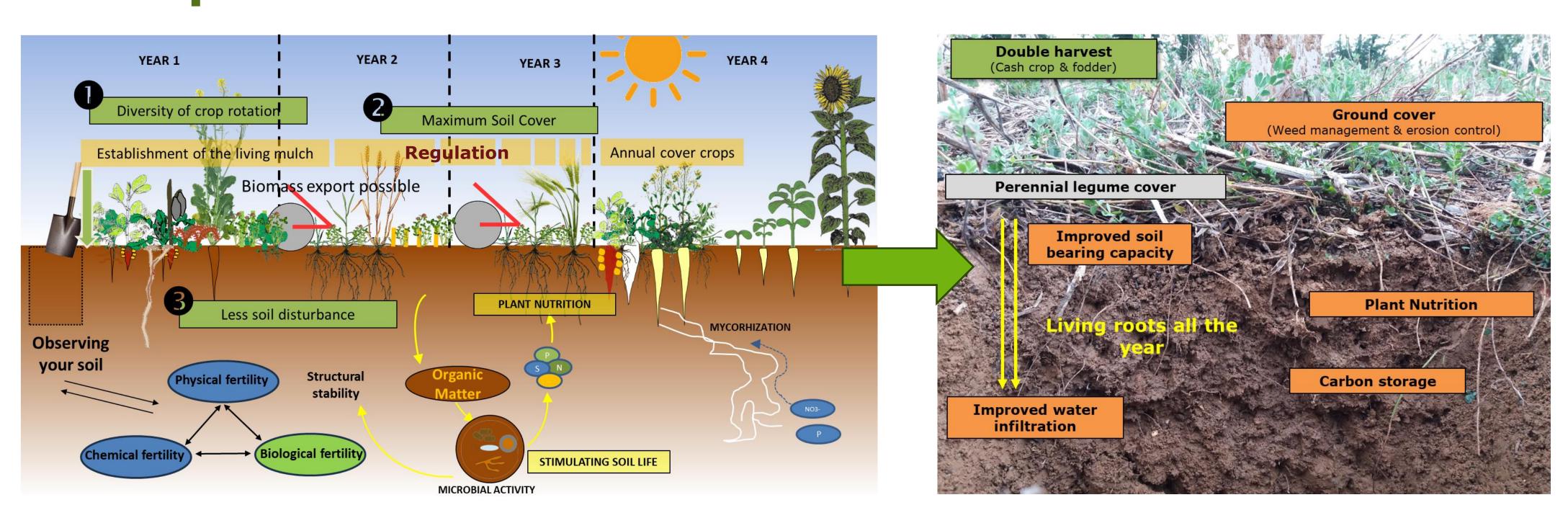


# Direct seeding with living mulch of permanent legumes cover: pratices and benefits

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## **Concept Overview**



### Possible legumes

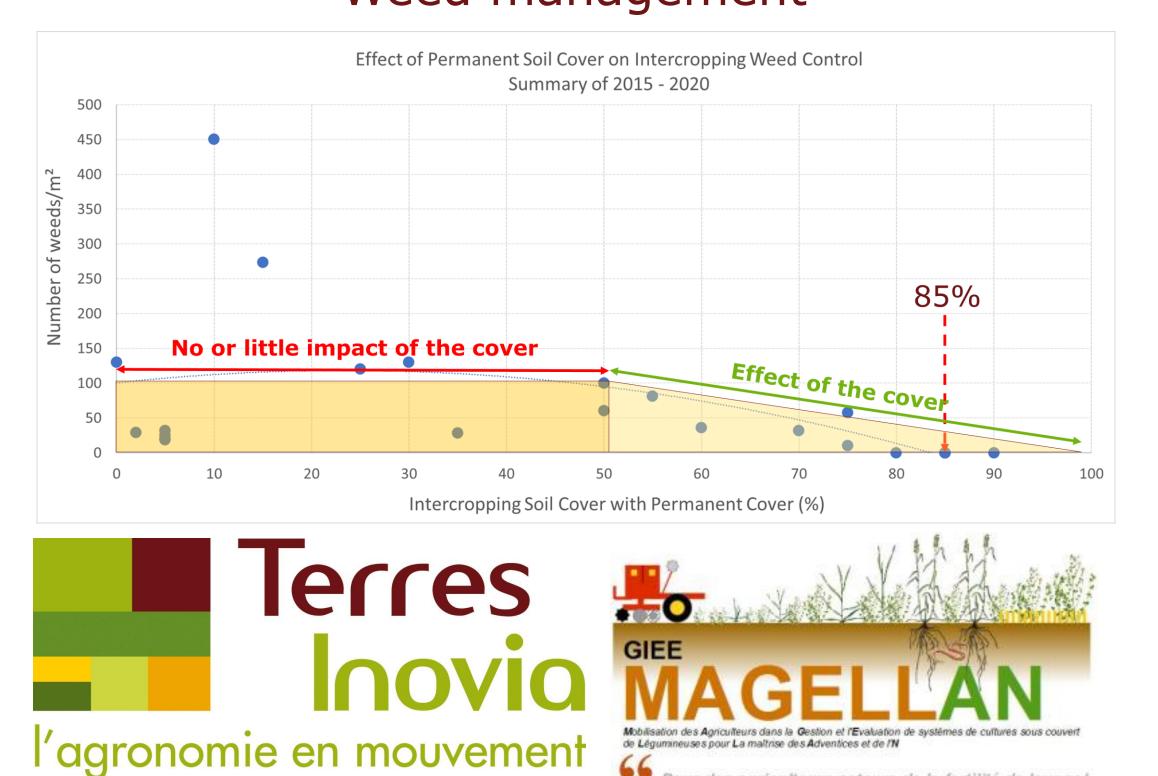
	White Clover				Red Clover				Alfalfa				Birdsfood			
			8													
Seeding rate	2.5 to 3 kg/ha				6 to 8 kg/ha				8 to 10 kg/ha				8 to 10 kg/ha			
Sowing depth	0.5 to 1 cm				0.5 to 1 cm				0.5 to 1 cm				0.5 to 1 cm			
Soil type (pH)	< 7	< 7 7		> 7	< 7		7	> 7	< 7 7		7	> 7	< 7	7		> 7
		$\pm$														
Growth dynamics	W	S	S	A	W	S	S	A	W	S	S	A	W	S	S	A
Installation speed	Pretty fast				Fast				Pretty fast				Slow			
Durability	3-4 years 🛕				2-3 years				3 à 6 years				3-4 years			
Competition for crops	Medium to high Superficial soil+++				Medium to high				Medium to high				Weak to medium			
Aphanomyces Sensitivity	Sensitivity according to variety				Sensitivity according to variety				Sensitive				Tolerant			
Herbicide Susceptibility	N	1edium	igh	Medium				Medium to Low				Weak				



Winter oilseed rape + Birdsfood

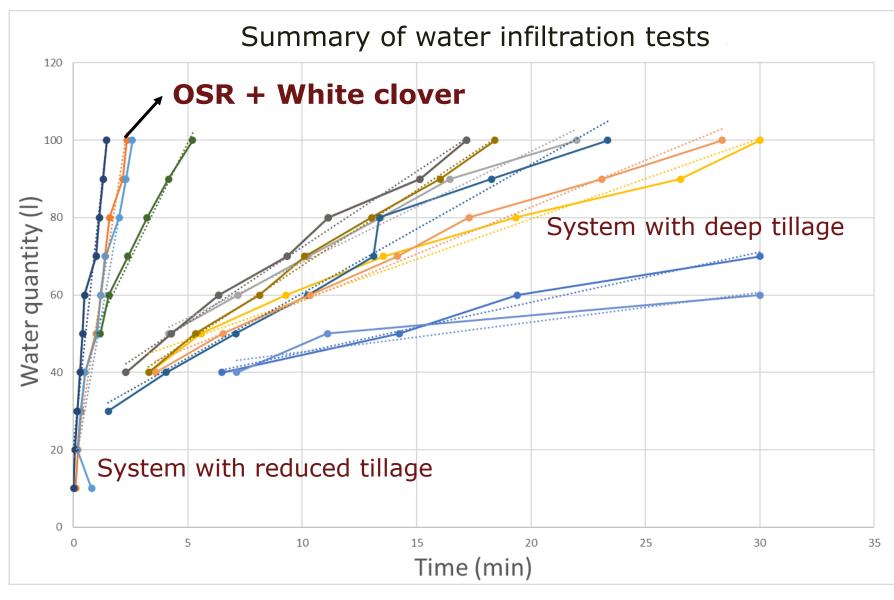
#### Results

#### Weed management



Pour des agriculteurs acteurs de la fertilité de leur sol

#### Water circulation



Absence of compaction, effect of roots and earthworm's galleries