



Good food, Good life

REGENERATIVE AGRICULTURE

Living soils for healthy food

High-level overview on Nestlé's approach

WHAT IS IT?

Regenerative agriculture is an approach to farming that aims to conserve and restore farmland and its ecosystem. It delivers benefits to farmers, environment and society.

HOW DOES IT WORK?

Regenerative agriculture is centered around universal agronomical principles that help protect and restore natural resources - primarily soil, as well as water and biodiversity.

WHAT ARE THE BENEFITS?

Regenerative agriculture aims to improve soil health and soil fertility, at the same time capturing carbon in soils and plant biomass. It contributes to drawing down carbon dioxide from the atmosphere and reducing emissions of GHGs. Consequently, regenerative agriculture helps improve the resilience of farmland to climate change and can therefore help improve farmers' livelihoods.

WHERE DOES NESTLÉ START?

With farmers. Nestlé promotes the introduction of regenerative agriculture practices in partnership with farmers. We take into account the local context, aiming to maximize benefits to the environment and farmer incomes.

HOW WILL NESTLÉ MEASURE PROGRESS?

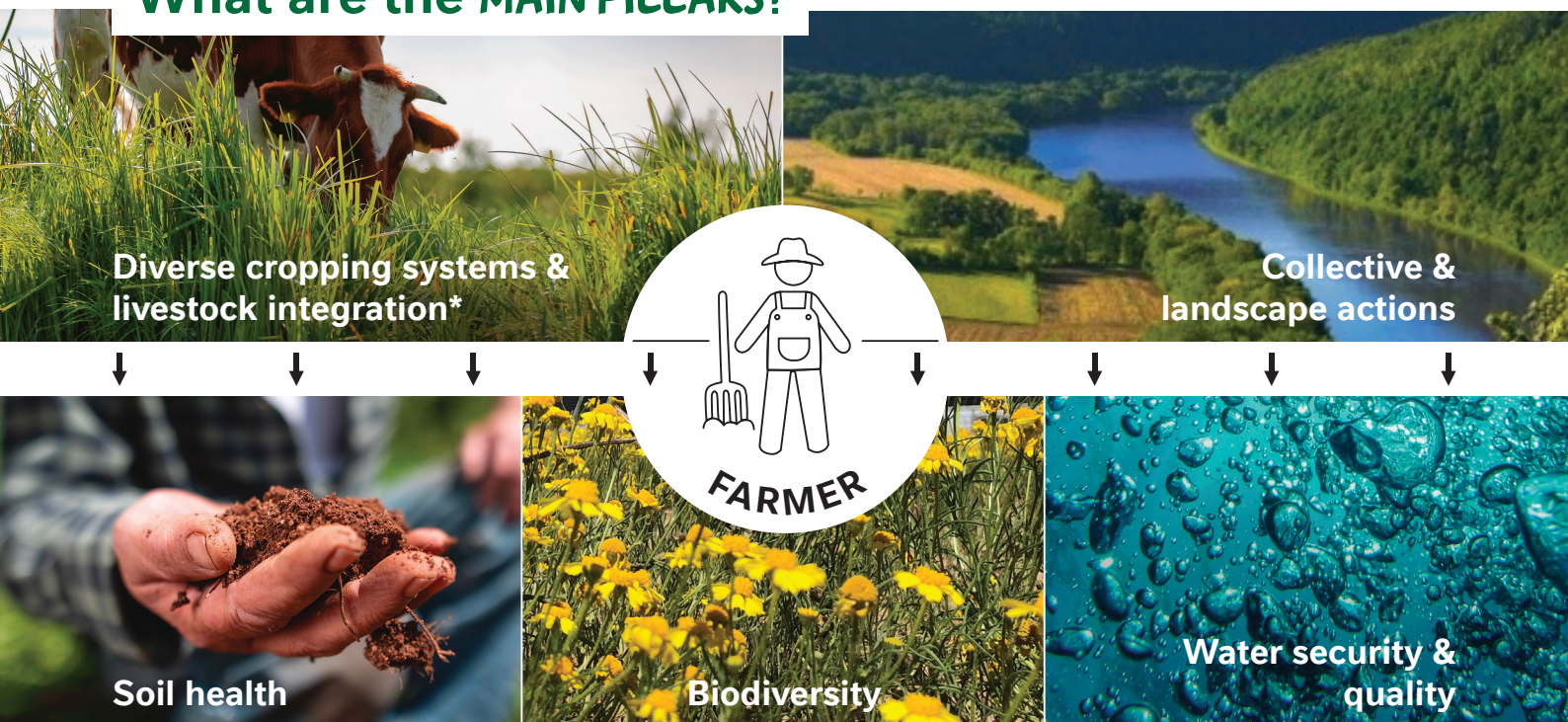
We aim to track both the level of implementation of regenerative farming practices and the tangible impacts we observe at field level under real world conditions. Monitoring both processes and outcomes will enable us to identify the right interventions for the right places. We will work with others on this program. Nestlé also welcomes other conservation agriculture methods that support regenerative principles.



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Our Regenerative Agriculture model is holistic and farmer-centric

What are the MAIN PILLARS?



PRIORITY ACTIONS

DRIVE SOIL CONSERVATION

Keep permanent & diversified soil cover, with minimum soil disturbance.
Increase the fertility of the soil through, e.g. intercropping, keeping living roots in the soil

USE ORGANIC FERTILIZERS

Replace synthetic by organic fertilizers

DEVELOPP NATURAL HABITATS

Increase natural habitats, especially for pollinators, within the farmland and at landscape level. Develop agroforestry and promote biodiversity

USE LESS CHEMICALS

Continuously reduce the use of synthetic herbicides & pesticides

PROTECT WATERSHEDS

Ensure regeneration of the water cycle in water stressed areas

INTEGRATE LIVESTOCKS

Optimize pasture management & maximize the value of manure to create a circular flow of energy & nutrients from barn to soil

...WHILE MAINTAINING OR INCREASING YIELDS, AND PROVIDING A LIVING INCOME FOR FARMERS

Working with partners

Nestlé is working with The Nature Conservancy on refining and improving our regenerative agriculture framework, incorporating the latest science and real-world experience into a tool which works for farmers.



Soil conservation

Soil is a core component of our holistic approach to regenerative agriculture.

It is the nexus where the natural resources needed to grow plants and produce food interconnect.

Improving soil organic matter helps drive soil fertility. It also delivers numerous other benefits like better availability of key nutrients, helping soil

retain water and improve drainage, the protection and restoration of biodiversity and greater sequestration of carbon in the ground.

Soil science is complex, and many aspects are important to consider per to each local context.

Potential benefits of soil conservation





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HOLISTIC APPROACH: each practice can benefit a range of nature resources

IMPACT		 Soil	 Water	 Biodiversity	 GHG mitigation
• Minor ••• Moderate ••• Major					
	Cover crops	•••	••	••	•••
	Diversified crop rotation	•••	—	•••	••
	Mulching & crop residues cover	•••	••	•	•••
	Minimum tillage	•••	••	••	•••
	Organic fertilizers	•••	•••	••	•••
	Integrated nutrient management	•••	•••	••	•••
	Irrigation technology	•	•••	—	•
	Riparian buffers	•••	•••	•••	•••
	Intercropping	•••	•	••	•
	Agroforestry & silvo-pastoral systems	•••	•	•••	•••
	Hedgerows & green buffers	•••	•	•••	•••
	Integrated pest management & bio-controls	••	•••	•••	—
	Precision farming	•	•••	••	••
	Manure storage & process	••	•••	—	•••
	Herd management	—	—	—	•••
	Integrated pasture management & grazing strategies	•••	••	•	•