

AMAGGI 



amaggi
regenera



1. Amaggi Regenera Program Objectives

OBJECTIVES

Bearing in mind the need to evolve in discussions for the development of regenerative agriculture, the **Amaggi Regenera** Program has the following objectives:



Soil regeneration in productive areas and yield increase



Mitigation of climate impacts and economic resilience



Increase and conservation of biodiversity and water resources



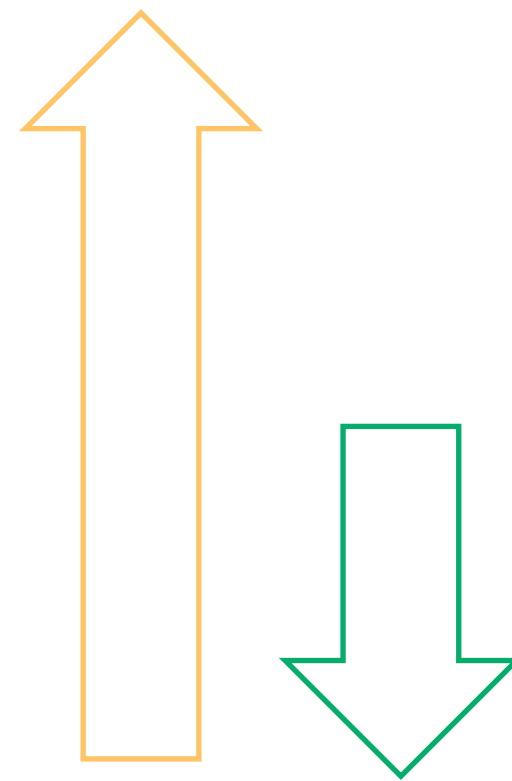
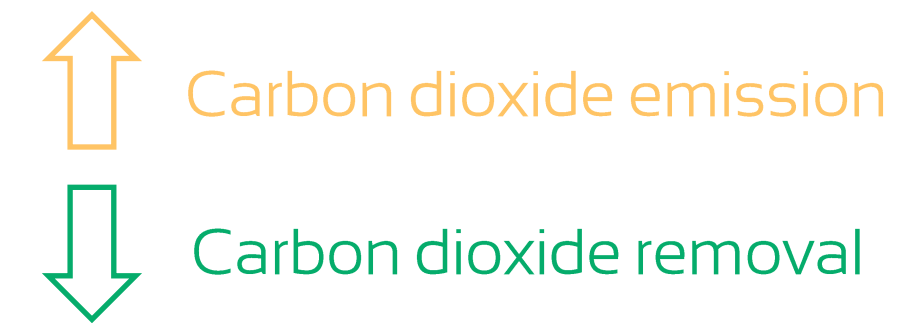
Dissemination of regenerative practices to more grain producers and family farming

An aerial photograph of a dense forest is the background. A large, semi-transparent circle is centered over the image, bisected by a diagonal line from the bottom-left to the top-right. The upper-left half of the circle is dark green, matching the forest's color, while the lower-right half is a vibrant orange. The text is centered within this circle.

2. What is it Regenerative Agriculture?

WHAT IS IT?

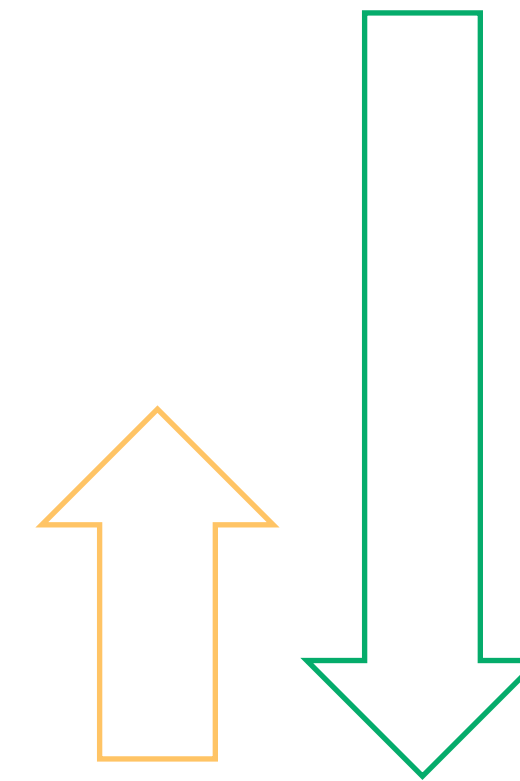
Regenerative is going beyond net zero (zero net carbon emissions) and measure positive results.



Conventional
Agriculture



Sustainable
(net zero)



Regenerative
Agriculture

HISTORICAL REFERENCE

- The term was coined in **1986** in an article published by researchers linked to the University of Nebraska.
- Initially, it referred to organic agriculture and the low use of external inputs in agriculture, focusing on the importance of biodiversity, progressive biological sequencing and integrative farm structuring.



HISTORICAL REFERENCE

- Some principles associated with regenerative agriculture by researchers in the field are:
 - Limit crop opening area;
 - maintain soil cover;
 - carbon sequestration;
 - follow biological cycles of nutrients;
 - species diversity;
 - integrate animal breeding;
 - avoid pesticides use;
 - improve soil water absorption;
 - keep roots alive in soil all year round etc.





3. Program development

DEVELOPMENT OF THE AMAGGI REGENERA



The company has been committed to ensuring a **transition to regenerative agriculture**, understanding how this concept can be framed for the production of commodities on a large scale, and maintaining the expected impacts on increasing soil quality, biodiversity and business continuity.

In a partnership with Embrapa, since 2021, **the company made significant advances in understanding the dynamics of nutrients and carbon in the soil at AMAGGI farms**. Mainly with regard to soil carbon removals and ways to enhance efficiency in the use of inputs, further improving productivity and reducing greenhouse gas emissions.

DEVELOPMENT OF THE AMAGGI REGENERA

In 2021, in partnership with IPAM, AMAGGI conducted a biodiversity survey of its farms, implemented a process for wildlife sighting, and intensified, through the *Caminhos da Semente* initiative, restoration actions through the *muvuca* technique.

In 2023, the company partnered with reNature to structure all their learnings and advances from their work with EMBRAPA, with the intention of maturing their understanding of regenerative agriculture, giving scale and transparency to all they have done.

AMAGGI increasingly
seeks to expand the
use of regenerative
agriculture practices



A PARTICIPATORY DEVELOPMENT

Partnership with reNature

DIAGNOSIS



December
2022

Bibliographic review with data from IPAM and EMBRAPA, in addition to AMAGGI's internal goals



January/February
2023

Interviews with internal and external stakeholders to identify actions, priorities and internal dynamics

INSPIRATION



March
2023

Workshop with implementers to transfer knowledge and align feasibility of practices and indicators



April
2023

Visit to model farm in regenerative transition

DECISION



April
2023

Workshop for alignment on pillars, indicators and appropriate practices for AMAGGI



May
2023

Validation with EMBRAPA, ESALQ and IPAM



4. Regenerative Agriculture for AMAGGI

AMAGGI REGENERERA

After an internal and external listening process, AMAGGI structured its regenerative agriculture program, taking into account what it understood to be the best value of its work.

Thus, **Amaggi Regenera** is born, a connection of the highest technology in the field with nature, to guarantee a low-carbon agricultural system that restores soil health and biodiversity, while promoting an entire generation of producers for a new way of producing. For regenerative transition, the program will be based on 3 central pillars: Soil, Biodiversity and People, with monitoring and transparency of best practices and results achieved.





Principles

- Regenerative agriculture is a dynamic concept;
- Factors such as ecological complexity, types of businesses and existing human relationships must be considered;
- Regenerative farms empower other farms, businesses, and even entire industries to improve their impact on the places where they live;
- The impact of regenerative agriculture on the ecosystem is holistic;
- Transparency through monitoring and reporting must be ensured;
- Climate and economic resilience are key to lasting results.



Mission

- Connecting agriculture and nature, aiming at environmental regeneration and the protection of life on Earth;
- Establish a connection between the knowledge and technology that agriculture has today and nature-based solutions;
- Promote an increasingly sustainable, resilient and healthy environment.



Pillars

Soil, Biodiversity and People, with economic resilience as a transversal pillar.



5. Amaggi Regenera Program Pillars

PILLARS

- To achieve the regenerative transition objectives, **Amaggi Regenera** aggregates the monitoring of practices and indicators to measure progress and impact, each of them linked to one of the **three main pillars: Soil, Biodiversity and People**, with climate and economic resilience being fundamental elements to increase productivity and lasting results.



PILLARS



Soil: this pillar involves restoring the health of the soil, taking it into account as a dynamic system, considering important contributions to the conservation and efficient use of water and focusing on reducing greenhouse gas emissions in agricultural actions within the farm and incorporating more carbon to the soil, contributing positively to the climate.



PILLARS



Biodiversity: protect and increase biodiversity through the regeneration of the production system and maintenance of protected areas. The actions of this pillar are supported by the biological control of diseases, integrated pest management and the conservation and restoration of areas of native vegetation that facilitate the transport of living beings and important microorganisms.



PILLARS



People: scaling up regenerative practices and positive impacts through access to information and knowledge strengthening.

The proposal is to form and influence an entire generation of rural producers and family farmers, who can keep their traditions alive, but who work for the sustainability of the soil and life.





<https://www.amaggi.com.br/en/amaggi-regenera/>

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