

Concept diagram, definitions, and notes

Regenerative agriculture, regenerative farming, carbon farming

Agricultural System

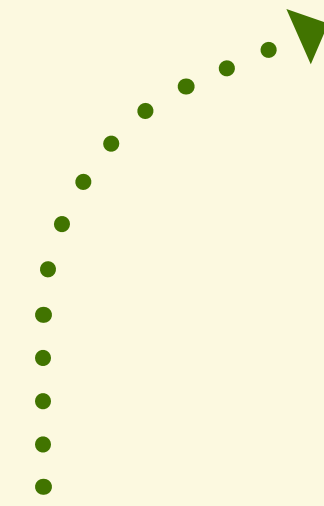


Regenerative Agriculture

an agricultural system that, in connection with food production, aims to curb climate change and to continuously and comprehensively improve the state of the environment



Farming Method



Regenerative Farming

a farming method that, in connection with food production, aims to continuously and comprehensively improve soil health, water protection and agricultural ecosystems

Carbon Farming

a farming method that, in connection with food production, aims to increase long-term soil carbon storage and reduce greenhouse gas emissions from arable land

Regenerative Agriculture

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Definition

an agricultural system that, in connection with food production, aims to curb climate change and to continuously and comprehensively improve the state of the environment

Note

Regenerative agriculture aims to renew and improve the fundamental resources of agriculture, such as soil health, the farmer's economy, and the well-being of people and animals. It also enables agriculture to adapt to the precarious weather conditions caused by climate change.

Regenerative agriculture uses the methods of regenerative farming. These methods are customised to suit the conditions of each farm.

Regenerative Farming



Definition

a farming method that, in connection with food production, aims to continuously and comprehensively improve soil health, water protection and agricultural ecosystems

Note

In regenerative farming, carbon farming that curbs climate change plays a key role, but regenerative farming also has other goals and benefits.

Regenerative farming yields a variety of benefits, as it increases crop safety, improves nutrient recycling, strengthens the ecosystems in the fields and bodies of water and supports biodiversity.

Regenerative farming methods include increasing the year-round vegetation cover, minimising tillage, diversifying crop rotations, and utilising adaptive multi-paddock grazing. Good water management and soil structure are the foundations of regenerative farming.

Carbon Farming



Definition

a farming method that, in connection with food production, aims to increase long-term soil carbon storage and reduce greenhouse gas emissions from arable land

Note

Carbon farming utilises different farming measures, such as increasing year-round vegetation cover, in order to curb climate change. These are the same methods used in regenerative farming.

In carbon farming, adding carbon to the soil through assimilation is essential. It maintains the biological activity in the soil, which transforms the carbon into stable forms and accumulates the soil carbon stock.

Depending on soil type, the aim is to increase or maintain the soil carbon stock or to reduce carbon loss into the atmosphere.