

AGROECOLOGICAL BENEFITS OF AN AGROFORESTRY SYSTEM

Agroforestry significantly impacts the environment by improving soil fertility and biodiversity and creating healthier farms for future generations. As a holistic approach to agriculture, agroforestry offers a guarantee for sustainable communities and an agricultural future.

- 1 Protection from wind, sun and heavy rain, reduced water runoff, soil erosion and losses due to heat and direct sunlight.
- 2 Enhancing biodiversity and the presence of various species, attracting pollinators such as bees and butterflies.
- 3 Providing habitat for natural predators that feed on pests and prevent the spread of diseases.
- 4 Providing shade that reduces water and heat stress on crops, animals and farmers.
- 5 Good soil structure and organic soil cover reduce rainwater runoff, allowing water to infiltrate the soil, and preventing water loss through evaporation.
- 6 Increasing nutrient inputs available for plants due to deep root systems and nitrogen-fixing trees, stabilising soil with root system.
- 7 Enhancement of biological activity through reduced soil temperature, providing organic matter as habitat and food for various insects and organisms.
- 8 Creating a good soil structure, improving moisture retention and nutrient-holding capacity.

