RECONCILING NATURE AND AGRICULTURE:
RESTORING NATURE AND IMPROVING BIODIVERSITY THROUGH AGROECOLOGICAL FARMING PRACTICES
A dense ecological network includes grass strips arranged across the entire farmland including wildflower meadows. This ecological network benefits predators and parasitoids of crop pests and has a positive impact on birds (grey partridge, songbirds like the red-backed shrike) and mammals (hare, roe deer, etc.).

Halting plowing and maintaining permanent soil cover with main crops and cover crops enhance soil life (bacteria, fungi, earthworms, etc.), serving as a trophic base for numerous other organisms, including birds.

A diverse hedge network with around twenty species provides pollen and nectar from January/February to June/July and fruits from June to December. This benefits pollinating insects and frugivorous birds.

The implementation of other ecological elements like ponds, lakes, stone and wood piles, etc., is encouraged.

For more information:
link here
The absence of insecticides promotes the development of insects and arachnids, providing various services beyond pest control and pollination such as nutrient cycling, and food for other wildlife species like birds, amphibians, and some mammals.

The absence of herbicides allows modest weed growth, which is sufficient to support birds (grey partridge) and insects.

Complex mixtures of cover crops like Biomax, sown between main crops, provide habitat for crop allies (especially insects), pollinators, migratory or wintering birds, mammals, etc.

A variety of crop rotations offer multiple food sources, such as seeds (flax, hemp, traditional cereals, corn, etc.) and tubers, while providing refuge cover for animals at all times.

For more information:
The integration of crop and livestock farming involving ruminants requires the presence of permanent grasslands (typically hedgerow-based) and temporary ones, which serve as a food resource for numerous insects and birds, among others.

**DID YOU KNOW?**

The presence of ruminants attracts insects that are consumed by swallows.

*Hirundo rustica*

The red kite hunts in recently mowed meadows.

*Milvus milvus*

The Rhizosphere is the foundation of soil food chains.


More information
www.agroecology-europe.org

Aknowledgements:
Thanks to Alain Peeters, Vice-President of Agroecology Europe, for the development of this factsheet and the data it contains.

Thanks to Alfred Grand, member of Agroecology Europe and organic farmer in Austria, for the wonderful photographs he has taken on his farm. Learn more: https://grandfarm.at/

With the financial support from the LIFE Program of the European Union, the Fondation de France and the Ecotone Fondation.

This publication reflects the views only of the authors, and neither the European Commission nor the Fondation de France, nor the Ecotone Fondation cannot be held responsible for any use which may be made of the information contained therein.