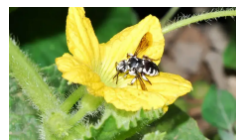


Farming with Alternative Pollinators: Integrated Pollinator Habitat for Sustainable Agriculture



Boost yields. Protect biodiversity. Increase profits.

The Farming with Alternative Pollinators (FAP) is an ecological intensification practice that combines agricultural production with biodiversity conservation through the integration of habitat enhancement plants within farming systems. It supports farmer-led conservation by applying locally adapted designs, pollinator-friendly management, and capacity building.



Technology from

PRMS

Commodities

Melon, Vegetable crop

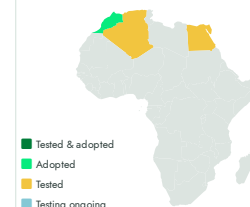
Sustainable Development Goals



Categories

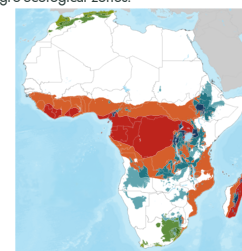
Production, Practices, Integrated pest management

Tested/adopted in



Where it can be used

This technology can be used in the colored agro-ecological zones.



Target groups

Farmers, Advisory and Extension Services

This technology is **pre-validated**.

8.7

Scaling readiness: idea maturity 8/9; level of use 7/9

Inclusion assessment

12

8

12

Climate impact

4

1

Problem

- Biodiversity loss and declining pollination services affecting 75% of major food crops.
- Food insecurity and agricultural expansion by increasing productivity on existing farmland.
- The limited sustainability of subsidy-based conservation approaches through a self-sustaining farmer-led model.
- Low adoption of biodiversity-friendly farming practices due to limited knowledge and ecological support.

Solution

- Farming with Alternative Pollinators (FAP)** provides an evidence-based, scalable solution addressing multiple development challenges: poverty, food insecurity, biodiversity loss, and climate vulnerability.
- Generates significant livelihood impacts**, increasing smallholder net income by an average of 121% while strengthening resilience against production losses.
- Improves sustainable agricultural outcomes**, with FAP fields attracting 89% of flower visitors compared to 11% in monocultures.
- Offers a financially sustainable pathway for scaling**, as adoption is driven by direct economic benefits rather than long-term external incentives.

Key points to design your program

- Integrate FAP into agricultural, climate, and biodiversity programs** to deliver multiple development outcomes through a single intervention.
- Support farmer training, policy engagement, and evidence-based scaling** to maximize economic, environmental, and social impact.
- Partner with ICARDA, national institutions, and extension services** to implement and monitor a proven, scalable solution aligned with multiple SDGs.



Open source / open access



Farming with Alternative Pollinators

<https://taat.africa/edd>

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Enquiries e-catalogs@taat.africa