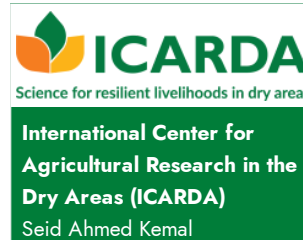


Integrated Orobanche Management on Faba bean: Resistant Faba Bean and Low-Dose Herbicide Package

Restoring faba bean productivity by defeating Orobanche.

Integrated Orobanche Management (IOM) is an integrated crop management package that combines the partially resistant **Hashenge** faba bean variety with low-dose Glyphosate application to effectively control *Orobanche crenata*. The technology significantly increases yields and profitability while creating market opportunities for improved seed production, herbicide supply, and commercial faba bean production.



Technology from

[PRMS](#)

Commodities

Faba bean

Sustainable Development Goals



Categories

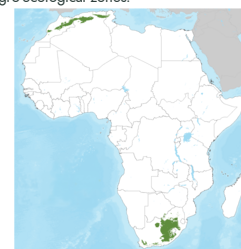
Production, Improved varieties,
Weed resistance

Tested/adopted in



Where it can be used

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



Target groups

Breeders, Farmers, Seed companies,

This technology is **pre-validated**.

9/9



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



Open source / open access

Problem

- **Unstable faba bean supply:** Orobanche infestation causes severe yield losses, reducing market availability and export potential.
- **Low profitability and high production risks:** Crop failures discourage investment across the faba bean value chain.
- **Limited input market opportunities:** Lack of effective control options reduces demand for improved seed and crop protection products.

Solution

- **Restores faba bean productivity:** Combines the resistant Hashenge variety with low-dose Glyphosate application to overcome major yield losses caused by *Orobanche crenata*.
- **Creates profitable market opportunities:** Increases farm profitability and demand for improved seed, crop protection products, and related services.
- **Strengthens value chains:** Supports reliable faba bean supply for domestic markets, processing, and export opportunities.

Key points to design your business plan

The technology addresses a major production constraint (*Orobanche crenata*) limiting faba bean supply, creating opportunities in seed, agro-input, and pulse value chains.

- **Business potential:** Restores productivity in affected areas and improves the profitability of faba bean production.
- **Proven performance:** Demonstrates a **218.5% yield advantage** over conventional practices, with high economic returns (**MRR: 193.5**).
- **Commercial opportunities:** Enables private actors to supply **Hashenge seed, crop protection products, advisory services, and value chain solutions**.
- **Investment potential:** Reduces production risks and supports expansion of faba bean production for domestic and export markets.

Inclusion assessment

12

12

12

Climate impact

7



Integrated Orobanche Management on Faba bean

<https://taat.africa/dtc>

Last updated on Jul 24, 2026 printed on Jul 24, 2026

Enquiries e-catalogs@taat.africa

