

# Proactive Management of Striga Infestation

Striga defended for farmers' empowerment

The technology for managing Striga infestation aims to tackle challenges like Striga weed and declining soil fertility. It involves simple farming methods like using less fertilizer, recycling organic matter, rotating crops, and planting Striga-tolerant varieties.



Sorghum severely infested by Striga



**International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)**  
Dougbedji Fatondji

✓ This technology is **TAAT1 validated**.

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

## Project adoption

The technology has been integrated in the **ENSURE project**: in 7 regions of the East African Community

Inclusion assessment **4**

Climate impact **6**

## Problem

- Striga attaches to the roots of maize, millet, sorghum, and rice, extracting nutrients and water delayed crop growth.
- Its causes a significant reduction in crop yield.
- The presence of Striga in fields can contribute to soil impoverishment.

## Solution

- This technology proposes various agronomic practices such as fertilizer micro-dosing, organic matter recycling, crop rotation, intercropping, the use of Striga-tolerant varieties, seed dressing, pre-emergence herbicides, and hand weeding.
- It has led to an increase in sorghum and pearl millet yields by up to 60% within four years.

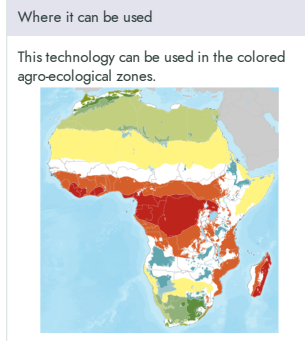
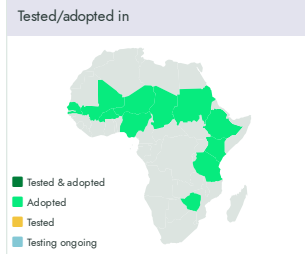
Technology from  
**ProPAS**

Commodities  
Sorghum/Millet

Sustainable Development Goals

Categories  
Production, Practices, Weed management

Best used with  
Precision Fertilizer Micro-Dosing for Millet and Sorghum Yield Enhancement  
See all 1 technologies online



Target groups

## Key points to design your project

To integrate the technology:

- One needs to estimate fertilizer quantities,
- Consider delivery costs, provide training,
- Develop communication support, and
- Consider collaboration with agricultural institutes for optimal implementation.

Open source / open access

