

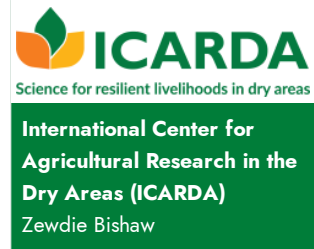
Hessian Fly Resistant Wheat Varieties

Reduce wheat losses due to Hessian fly and increase yield

The Hessian Fly Resistant Wheat Varieties are specifically bred wheat plants with a natural ability to resist the Hessian fly, a destructive insect. Created through selective breeding, these varieties are developed to withstand larvae attacks, acting as a protective shield for the wheat.



Hessian fly adult (left) and larvae and damage to wheat (right)



This technology is **TAAT1 validated**.

8-8



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

Cost: \$\$\$ **35—43 USD**

Seed needed per ha

ROI: \$\$\$

79—100 %

Protection of plants from pests

5.5—7.1 tons/ha

yield potential

105 USD

Additional production of forages per ha



Copyright

Problem

The wheat production faces infestations by the Hessian fly and lead to substantial losses in many major wheat-producing areas, impacting crop yields.

Solution

- Hessian Fly Resistant Wheat Varieties provides a natural barrier against infestations.
- These varieties significantly decrease damage caused by Hessian fly larvae, ensuring healthier crops.

Key points to design your business plan

This technology benefits seed multipliers, resellers, and users (farmers). Seed multipliers can reduce production losses and improve food security by acquiring and multiplying Hessian fly resistant wheat varieties. Resellers can meet the growing demand by providing proper storage facilities and safeguarding seeds against insects. For users, the technology offers natural resistance to the Hessian fly.

Gender assessment



Climate impact



Technology from

[ProPAS](#)

Commodities

Wheat

Sustainable Development Goals



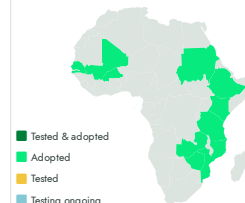
Categories

Production, Improved varieties, Insect resistance

Best used with

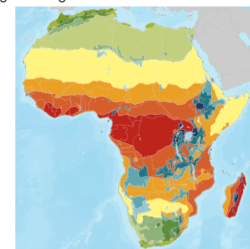
- [Integrated Management of Insects, Diseases and Weeds in Wheat >](#)

Tested/adopted in



Where it can be used

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



Hessian Fly Resistant Wheat Varieties

<https://taat.africa/gpb>

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