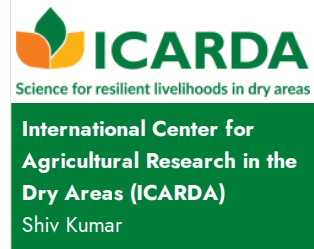


Kabuli chickpea: Improved Large-Seeded Varieties for Climate-Resilient Production



Improved large-seeded Kabuli chickpea varieties developed for different climate conditions, offering higher and more stable yields, early maturity, and resistance or tolerance to major diseases and climate stresses such as drought and cold. The varieties produce market-preferred, high-protein seeds and can help strengthen national chickpea production, food and nutrition security, and climate resilience.

This technology is **pre-validated**.

Inclusion assessment  13  12

 12

Scaling readiness: idea maturity 9/9; level of use 6/9

Climate impact  5

Problem

- Low and unstable chickpea yields.
- Significant yield losses from **Ascochyta blight and Fusarium wilt**.
- Production risks caused by **drought and cold**.
- Low market acceptance of small-seeded chickpea varieties.
- Late maturity and lodging, which can affect timely harvesting.

Solution

- Provides varieties with **2.0–3.0 t/ha yield potential**, with selected varieties achieving **18–25% higher yields** than local varieties.
- Provides **resistance or tolerance to major diseases**, including Ascochyta blight and Fusarium wilt.
- Offers **drought and cold tolerance**, supporting production under challenging climatic conditions.
- Produces **large, market-preferred, high-protein seeds**.
- Provides **early-maturing, compact and upright varieties**, with selected types suitable for mechanical harvesting.

Key points to design your project

Improved Large-Seeded Kabuli Chickpea varieties offer governments a practical pathway to increase chickpea productivity and strengthen **climate-resilient, market-oriented agricultural systems** in suitable temperate, semi-arid, arid, Mediterranean, continental, and rainfed environments.

Governments can accelerate adoption by supporting **variety registration and quality assurance, certified seed multiplication, national seed systems, agro-dealer networks, demonstration and extension programs, and coordinated access to recommended inputs and crop protection services**.

Policy opportunity: integrate improved Kabuli chickpea into national seed and climate-smart agriculture programs to increase productivity, stabilize farmer incomes, reduce climate and disease-related losses, and strengthen domestic and export-oriented chickpea value chains.

Commodities

Kabuli Chickpea

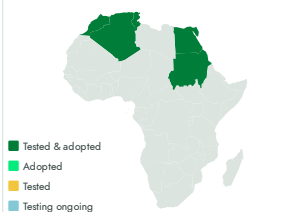
Sustainable Development Goals

Categories

Pre-production, Improved varieties, Disease resistance, Yield improvement, + 0 more

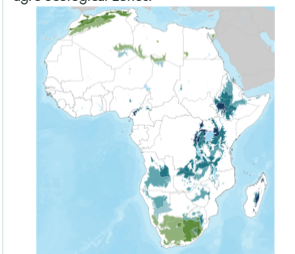
Tested/adopted in



 Tested & adopted
 Adopted
 Tested
 Testing ongoing

Where it can be used

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



Target groups

Governments, Seed companies, Cooperatives and Agribusinesses, Development institutions

18–25 %	21.3–25 %	2–3 t	 IP
Higher yields than local check varieties	Protein content	Potential yield per Ha	Plant variety protection



Kabuli chickpea

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