

BILL & MELINDA GATES AGRICULTURAL INNOVATIONS

Gates Ag One Fact Sheet

Bill & Melinda Gates Agricultural Innovations (Gates Ag One) is a nonprofit dedicated to ensuring high-quality, cutting-edge crop innovations are accessible to those who need them most. Gates Ag One was founded in 2020.

WHY WE EXIST

To bring breakthrough science to smallholder farmers in Sub-Saharan Africa & South Asia.

Climate change is threatening the lives and livelihoods of smallholder farmers. There is an urgent need for innovations to sustainably improve crop productivity, support adaptation to the impacts of climate change, and spur long-term economic growth.

WHAT WE DO

We work to understand the needs of smallholder farmers first and foremost. Our multidisciplinary team then works with partners to develop and fast-track scientific research to create safe, effective, affordable, and sustainable products that will meet their needs.

HOW WE WORK

Our model is based on building an inclusive community of partners from both high- and low-income countries. These include:

- R&D organizations
- Academic institutions
- Governments
- Private-sector companies
- Cooperatives
- Nonprofits

Working with local partners, we can effectively evaluate, de-risk, and advance the introduction of the best breakthrough crop science into products for farmers to use.

We are a nonprofit subsidiary of the Bill & Melinda Gates Foundation, guided by our shared belief that all lives have equal value.

CONTACT US

If you have any queries or are interested in learning more about our work, contact us: Media@GatesAgoOne.org

THE PROBLEM WE ARE TRYING TO SOLVE

Smallholder farmers play a crucial role in national, regional, and global food systems and economies. There are:

- ~500 million smallholder farms worldwide,
- Depended on by over two billion people,
- And producing 35% of food for Sub-Saharan Africa and South Asia

EXAMPLES OF OUR WORK

Unlocking photosynthesis

We partner with Realizing Increased Photosynthetic Efficiency (RIPE), an international effort to harvest more from the untapped potential of photosynthesis, the natural process all plants use to convert sunlight into energy and yield.

Rethinking nitrogen

We partner with Engineering Nitrogen Symbiosis for Africa (ENSA), which aims to increase yield for smallholder farmers in absence of chemical inputs by tapping the potential of naturally occurring biological nitrogen fixation.

Boosting cassava

The Cassava Source-Sink Project (CASS) focuses on improving edible tuberous root crops like cassava, a smallholder staple that has yet to significantly benefit from major advances in plant science.

LEADERSHIP TEAM

Joe Cornelius Chief Executive Officer

Al Gallegos Chief Operating Officer

Brigitte Weston Director, Product Development

Morven McLean Director, Global Strategy, Regulatory and Public Affairs

Trey Key Director, Business Development

Qing Wang Deputy Director, Intellectual Property

Carine Doyle Associate General Counsel, Bill & Melinda Gates Foundation