

BiInnovate Africa in Uganda (2016–2021)

Innovation partnerships between academia, industry, and government institutions in Uganda are delivering several products at different stages of development and commercialisation. These products are eco-friendly, and are part of BiInnovate Africa's contribution to economic growth and social development in eastern Africa through sustainable industrialisation.

Public Sector Organisations: Makerere University (MAK), Busitema University (in collaboration with Kyambogo University), National Agricultural Research Organisation (NARO), National Semi Arid Resources Research Institute (NASARRI), Gulu University, National Livestock Resources Research Institute (NaLIRRI).

Private Sector Companies: TONNET Agro-engineering Co. Limited, Food and Nutrition Solutions Limited, SENAI Farm Supplies Limited, TURSAM Investments Limited, Sulma Foods Limited, R & G Investments Ltd (Gudie Leisure Farm), Bomvitae Agro-Industries Ltd (BAIL), Consortium for enhancing University Responsiveness to Agribusiness Development (CURAD), Aroma Honey Toffee Limited, BioInnovations Company Limited.



Areawide control of tsetse flies using novel repellents and attractants

Catnip and other herbal-based mosquito repellents

Validating herbal remedies with antiviral properties to address COVID-19

Producing immune boosting aromatic herb extracts to address COVID-19



Refractance window drying (RWD) technology for high quality fruits and vegetables

Post-harvest disinfection of horticultural crops using hot water treatment method



Organic waste Conversion

Bio-alkanol gel fuel alternative for rural households in the Lake Victoria basin

New integrated methods for industrial wastewater treatment

Nitrogen bio-fortified commercial grade organic fertilizer to improve soil management

Using novel enzymes for eco-friendly processing of hides and skins into leather

Small-scale community-based biorefineries to produce syrups and other products from sorghum stems

Food enriched with insect-based proteins

High-quality Aroma Honey Toffees

Vitamin A enriched sweet potato puree for fried and bakery products

Nutritionally enhanced sorghum and millet products



Improving nutrition

Striga weed resistant maize and finger millet

Fungal biopesticides for safe pest control

Integrating digital solutions for distribution of virus-free sweet potato vines



Controlling plant pest, diseases and weeds

Eleven (11) BiInnovate Africa Postgraduate students in Ugandan institutions (2017-2021)

Seven (7) BiInnovate Africa women fellows from Uganda (2018-2021)



Enhancing bio-entrepreneurship capacity



Developing an innovation-led bioeconomy strategy for eastern Africa

Policy support for sustainable bioeconomy



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