

BIOFARM ESG & SUSTAINABILITY REPORT

Regenerative Agriculture • Climate Resilience • Farmer Prosperity • Responsible Growth

Healthy soils + resilient crops + empowered farmers + responsible business practices = sustainable agricultural growth.

Prepared for Biofarm / Unode Agro Uganda Ltd
Uganda and East Africa

1. Executive Summary

Biofarm is building an East African agricultural-input business focused on improving crop productivity, climate resilience and farmer livelihoods. Its amino-acid-based liquid agricultural solution is designed to support plant nutrition, root development and crop health, particularly during environmental stress. The company is increasingly focused on coffee and banana farmers reached through cooperatives, unions, commercial farms, agronomists, demonstration plots and farmer education.

Biofarm's sustainability strategy links business growth with responsible resource use, farmer impact, scientific validation, product stewardship and stronger governance. The company's long-term ambition is to expand local packaging and manufacturing in Uganda while building measurable ESG systems suitable for investors, regulators and development partners.

2026 ESG priorities

Priority	What it means
Climate resilience	Support farmers facing drought, heat and rainfall variability through evidence-based crop management.
Soil & water stewardship	Promote regenerative practices and quantify soil-health and water-efficiency outcomes.
Farmer prosperity	Track training, productivity, input economics and household-level value creation.
Traceability & quality	Strengthen batch controls and link product application with farm and crop-performance data.
Responsible growth	Build governance, ethics, environmental management and workplace-safety systems as operations scale.

2. ESG Framework

Environmental

Biofarm aims to strengthen farm resilience while reducing environmental pressure across production and distribution.

- Promote regenerative agriculture practices such as mulching, compost, organic-matter management and responsible input use.
- Measure water use, soil moisture, crop survival and yield under dry-season conditions before making quantified water-retention claims.
- Establish energy, water, waste, packaging and greenhouse-gas baselines as local manufacturing develops.
- Evaluate renewable energy, efficient logistics and packaging recovery as future reduction strategies.

Social

The company's strongest potential social impact is at farmer level through productivity, training, market participation and employment.

- Track farmers trained, cooperatives reached, women and youth participation, field visits and demonstration farms.
- Measure farmer economics: yield, input cost, farm revenue, gross margin and return on input investment.
- Create future jobs in agronomy, manufacturing, quality assurance, logistics, sales, research and farmer support.
- Formalize occupational health and safety procedures as manufacturing operations expand.

Governance

Biofarm intends to scale with clear controls, accountable decision-making and evidence-based product communication.

- Strengthen board oversight, regulatory compliance, financial controls and ESG responsibilities.
- Implement anti-bribery, conflict-of-interest, procurement, employee-conduct and whistleblower policies.
- Establish batch-level product traceability, complaint handling and quality-assurance records.
- Validate yield, water, soil and carbon claims before presenting them as verified performance results.

3. Sustainability in the Biofarm Value Chain

BIOFARM INPUT	FARMER & TRAINING	CROP PERFORMANCE	TRACEABLE HARVEST	MARKET & IMPACT
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The long-term model connects sustainable input use with farmer data, crop outcomes, traceability and higher-value agricultural markets.

Climate resilience and dry-season performance

Biofarm is positioning dry-season crop health as a priority area. Preliminary field observations are promising, but formal claims should be supported by controlled trials. Future monitoring should include soil moisture, irrigation frequency, leaf condition, root development, flowering, fruiting, yield and plant survival across different soils and climates.

Local production and circular-economy opportunity

Moving from finished-product imports toward local packaging and manufacturing in Uganda can potentially reduce logistics intensity, strengthen local technical capacity, improve product availability and retain more economic value within the region. Factory planning should incorporate water and energy efficiency, spill prevention, waste controls, occupational safety and responsible packaging management from the outset.

Research and scientific validation

Biofarm's credibility will increasingly depend on robust evidence. Research priorities include laboratory characterization of the product, comparative crop trials, multi-location farm data and consistent recording of soil, climate, dosage, application frequency and yield variables. Independent or university-supported validation should be pursued where practical.

4. ESG Scorecard & 2030 Direction

KPI	2026 position	2030 direction
Farmers trained	Baseline system being established	Annual increase with cooperative-led delivery

KPI	2026 position	2030 direction
Women & youth participation	Baseline required	Track and increase participation
Farmer income impact	Study required	Measured yield and economic impact
Water-use efficiency	Research stage	Scientifically validated performance
Soil-health impact	Research stage	Multi-year monitoring
Product traceability	Development stage	Full batch-level traceability
GHG footprint	Not yet quantified	Annual Scope 1, 2 and material Scope 3 inventory
Renewable energy	Factory planning stage	Progressive renewable-energy adoption
Supplier ESG screening	Development stage	All strategic suppliers screened
ESG reporting	Initial framework	Annual ESG reporting cycle

5. Priority Commitments: 2026–2030

- 1 Measure environmental performance** — Establish baseline data for energy, water, waste, packaging and greenhouse-gas emissions.
- 2 Build farmer-impact evidence** — Track productivity, farm economics, gender, youth participation and training outcomes.
- 3 Strengthen product stewardship** — Formalize application guidance, farmer safety, storage, batch controls and complaint management.
- 4 Develop traceability** — Connect batches, distributors, farm locations, crop records and performance data.
- 5 Improve governance** — Adopt ESG, anti-corruption, procurement, conflict-of-interest and whistleblower policies.
- 6 Advance scientific validation** — Use controlled trials, laboratory testing and external research partnerships to substantiate performance claims.

Design responsible manufacturing — Integrate environmental management, occupational safety and resource efficiency into factory development.

6. Alignment with the UN Sustainable Development Goals

SDG 1 – No Poverty Farmer productivity and income opportunity.	SDG 2 – Zero Hunger Resilient and sustainable agricultural production.
SDG 5 – Gender Equality Participation and opportunity for women farmers and employees.	SDG 6 – Clean Water Water-use efficiency and responsible agricultural input management.
SDG 8 – Decent Work Jobs in manufacturing, agronomy, distribution and agricultural enterprise.	SDG 9 – Industry & Innovation Local agricultural technology and manufacturing capacity.
SDG 12 – Responsible Production Product stewardship, resource efficiency and waste management.	SDG 13 – Climate Action Adaptation to drought and climate variability.
SDG 15 – Life on Land Soil-health and regenerative-agriculture practices.	SDG 17 – Partnerships Cooperatives, universities, investors, government and development partners.

7. Closing Statement

Biofarm's ESG journey is moving from aspiration to measurement. Several environmental and product-performance indicators still require stronger baselines and independent validation. The company's next phase should therefore prioritize credible data, responsible manufacturing, farmer-impact measurement and transparent governance as it scales across East Africa.

BETTER SOIL. STRONGER CROPS. RESILIENT FARMERS. SUSTAINABLE AGRICULTURE.