

BOOMITRA CARBON FARMING IN EAST AFRICA THROUGH SOIL ENRICHMENT, VERRA ID: 3774

Offset project details	
Protocols used for estimations	Verified Carbon Standard (VCS) VM0042, CCB Certification
Project location	Croplands in Kenya, Rwanda, Tanzania, and Uganda
Project timeline	10/1/2019 — 9/30/2039
Project start date	1 st October 2019
Dates and quantities when emissions reductions or removals started, was modified, or reversed	Start date: 1-Oct 2019, ~300,000 tCO ₂ ^e removal annually
The type of project (removals, avoidance)	Improved Cropland Management (ICM), Removals
Whether the project meets standards established by law or by a nonprofit entity	Yes, the Boomitra Carbon Farming in East Africa through Soil Enrichment project meets Verra standards. It fulfills the six Kyoto Protocol greenhouse gas targets.
The durability period especially in relation to known or presumed project period being less than the atmospheric lifetime of GHG emissions	20 years
Third party validation / verification of project attributes	Yes. Earthood Services Pvt. Ltd.
Emissions reduced or carbon removed on an annual basis	~300,000 tCO ₂ ^e removal annually
Details regarding accountability measures if a project is not completed or does not meet the projected emissions reductions or removal benefits, including, but not limited to, details regarding what actions the entity, either directly or by contractual obligation, shall take under both of the following circumstances:	
(1) if carbon storage projects are reversed.	In the case of reversals, Boomitra will proceed in accordance with the rules and requirements of the applicable VCS Standard. The AFOLU Non-Permanence Risk Tool determines the number of credits to deposit in the AFOLU pooled buffer account, which covers the non-permanence risk associated with these projects.
(2) if future emissions reductions do not materialize.	Carbon sequestration assessments are conducted on a project-wide basis, which allows for the distribution of risks and the absorption of any individual farm losses into the project's future reserves. In cases of over-crediting, our third-party verifiers adjust by reducing future credit issuances to keep the system balanced and sustainable. Complying with standard requirements, we allocate 10-20% of our measured credits to buffer pools, which are not sold, following VVBs and Standards Body guidelines. This acts as a safety net against any unforeseen changes in carbon storage. Continuous soil monitoring further minimizes the risk of discrepancies or reversals.
The pertinent data and calculation methods needed to independently reproduce and verify the number of emissions reduction or removal credits issued using the protocol.	Remote sensing technology using satellites throughout the electromagnetic spectrum in a proprietary data fusion and machine learning system. This satellite mix allows us to measure soil carbon at depths around 30cm.
Offsets partner details	
The name of the business entity selling the offset and the offset registry or program.	Boomitra Inc.
Project name and registry id	Boomitra Carbon Farming in East Africa through Soil Enrichment, VCS#3774
Offset type (removal, avoidance)	Improved Cropland Management (ICM), removal
Protocol used for reductions and/or removals	VCS, VM0042
Third-party verification of data and claims	Yes. Earthood Services Pvt. Ltd.