



MASTER OFFICIAL PERFORMANCE REPORT • REVISED CANONICAL DATA

Official Performance Report and Expansion Plan

BIO-NO BURN™ Project

Low-Carbon Agriculture and Traceability Supporting the Pathway to Net Zero

2,500 rai	5,000 rai	500
FY 2025/2026 result	FY 2026/2027 target	Target farmers

Prepared on 10 August 2026

Document status

This report applies one canonical dataset across all four language editions. Greenhouse-gas figures are estimates derived from project activity data and assumptions, pending completion of evidence and independent validation and verification. This is not a certificate or a report of issued carbon credits.

Executive Summary

BIO-NO BURN™ is a community-based system for managing agricultural residues without burning. It reduces high-carbon fertilizer and diesel use, returns biomass to the soil through organic compost, and strengthens farm-level traceability. The project contributes to a community pathway toward Net Zero; it does not claim that Net Zero has already been achieved or that carbon credits have been issued.

The target area covers Phakdi Chumphon, Nong Bua Daeng, and Kaset Sombun districts in Chaiphum Province. The FY 2026/2027 plan targets 500 farmers and 5,000 rai, using 10 rai per farmer as a planning average. These figures are targets, not confirmation that full implementation has been completed.

- A 100% no-burn policy was announced for the pilot area.
- The project reports 2,500 rai under implementation and has begun GPS/polygon data collection.
- 46-0-0 fertilizer use was reduced by 92% per rai against the project baseline.
- The website number lock applies the rate of 2 tonnes of compost per 5 rai: 1,000 tonnes for 2,500 rai and 2,000 tonnes for the 5,000-rai target. Weighbridge and production records must still be reconciled.

1. Project Scope and Target Area

BIO-NO BURN™ is a community-based system for managing agricultural residues without open burning. It reduces chemical-fertilizer and diesel use, returns biomass to soil through organic compost, and develops plot-level records for traceability and MRV.

Implementing entity	The Community of Bio-Organic Fertilizer Plant Enterprise Chaiyaphum
Period	Fiscal years 2025–2027 (B.E. 2568–2570)
Reported pilot area	2,500 rai in FY 2025/2026
Expansion target	5,000 rai and 500 farmers in FY 2026/2027
Three target districts	Phakdi Chumphon, Nong Bua Daeng and Kaset Sombun, Chaiyaphum Province
Next-stage ambition	1,000 households, subject to evidence, staffing and resource readiness

2. FY 2025/2026 Performance and Estimate

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For the 2,500-rai pilot, the canonical compost rate is 2 tonnes per 5 rai, equivalent to 1,000 tonnes in the model. This quantity must be reconciled against weighbridge tickets and production records before assurance-level use.

Activity	Baseline	Project	Net reduction
46-0-0 fertilizer	189,750	15,180	174,570
Diesel	10,275	6,850	3,425
Residue/sugarcane-leaf burning	1,115,000	0	1,115,000
Organic composting (1,000 tonnes)	0	55,000	—55,000
Total (kgCO₂e)	1,315,025	77,030	1,237,995

Net reduction

Estimated net reduction: 1,237,995 kgCO₂e (94.14%), from a baseline of 1,315,025 kgCO₂e and project emissions of 77,030 kgCO₂e.

3. Estimation Method and Emission Factors

Emission reduction (ER) = Baseline Emissions (BE) — Project Emissions (PE) — Leakage (LE). LE is provisionally set at zero and requires supporting evidence.

Emission source	Activity data	Factor used	Status
46-0-0 fertilizer	kg fertilizer	1.518 kgCO ₂ e/kg	Project factor; source and version must be locked
Diesel	litres	2.74 kgCO ₂ e/litre	Project factor; verify the reference used
Residue burning	rai	446 kgCO ₂ e/rai	Biomass type, moisture and data source required
Organic compost	tonnes	55 kgCO ₂ e/tonne	Model estimate; verification required
Document status The estimate follows $ER = BE - PE - LE$, with LE currently assumed to be zero. Project calculation factors are 1.518 kgCO ₂ e/kg for 46-0-0 fertilizer, 2.74 kgCO ₂ e/litre for diesel, 446 kgCO ₂ e/rai for residue burning, and 55 kgCO ₂ e/tonne for compost. Several factors still require a locked source and version before assurance-level publication.			

4. FY 2026/2027 Expansion Plan**4. FY 2026/2027 Expansion Plan**

The 5,000-rai, 500-farmer and 2,000-tonne model figures are expansion targets, not confirmation that implementation has been completed.

Activity	Baseline	Project	Net reduction
46-0-0 fertilizer	379,500	30,360	349,140
Diesel	20,550	13,700	6,850

Residue/sugarcane-leaf burning	2,230,000	0	2,230,000
Organic composting (2,000 tonnes)	0	110,000	—110,000
Total (kgCO₂e)	2,630,050	154,060	2,475,990
Net reduction Target-scale estimate: net reduction of 2,475,990 kgCO ₂ e (94.14%), from a baseline of 2,630,050 kgCO ₂ e and project emissions of 154,060 kgCO ₂ e.			

5. Implementation Plan and MRV

- Q1: Confirm participants, plot IDs, boundaries, land-use rights and baseline data
- Q2: Train participants in recordkeeping and collect plot-level input data
- Q3: Monitor no-burn compliance, biomass quantities and compost-production batches
- Q4: Close the GHG inventory, review data quality and prepare for independent verification

Minimum evidence package

- Participant register, plot IDs, consent forms and evidence of land-use rights
- KML/GeoJSON files, maps, geotagged photographs and boundary-change history
- Purchase, issue and plot-level use records for fertilizer and fuel
- No-burn inspections, before/after evidence, hotspot data, weighbridge tickets, batch records and compost inventory

6. Reservations and Publication Conditions

Land status

According to project information, target plots do not hold Chanote title deeds or Nor Sor 3 certificates and use agricultural-use documents such as S.P.K., BDS.10 or BDS.07. Each plot must be checked for lawful use rights, consent, document restrictions and disputes. This statement is not proof of ownership.

Carbon-credit reservation

Reported reductions are project performance estimates, not issued carbon credits. They must not be sold, transferred or represented to third parties as credits until an applicable methodology, validation, verification and registration process has been completed.

EUDR clarification

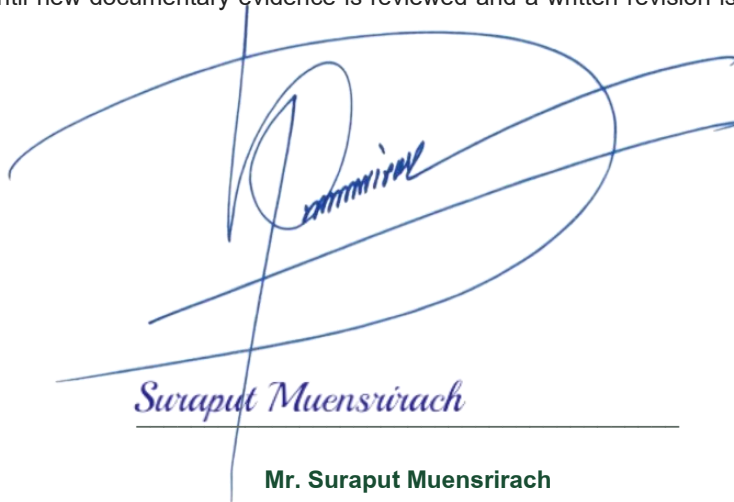
GPS/polygon data support traceability and readiness for international sustainability requirements. Sugarcane is not currently a commodity directly covered by the EUDR; the project must not be described as EUDR-certified.

Copyright and intellectual property

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7. Document Certification

Prepared as the official master for data review, reference and four-language publication. All editions must use this canonical dataset until new documentary evidence is reviewed and a written revision is approved.



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10 August 2026