



Nori Verification Report



This template is for the verification of projects under the [Nori US Croplands Methodology](#).

Director, Sustainability Consulting

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Project Title	<i>C21-0670</i>
Version	<i>1.0</i>
Nori Project ID	<i>fa14a56f-0a0d-410c-b6e9-19003ef871dc fcd6738a-55da-456e-8033-c7d91fed5e1a 4d7df366-6c33-45e7-9602-a5d31fe1d2d3 e21c15c7-2928-4c8c-83a9-21c46a477a6b 064e8067-ddb6-4bcd-aa71-5bac20d7ec3c 398fbc39-9547-45db-b9a5-1b8ef08c3852 87d04ee8-1562-4a44-99b6-547607c6f591 afa17f05-b9ed-47a4-92d4-a8cb4367bcef d64ba229-b15c-4bfd-b929-8bebc7e591a5</i>
Methodology	<i>Croplands Methodology Version 1.4</i>

Report Title	<i>Bayer Farmer Verification - C21- 0670</i>
Applicant / Primary Contact	<i>Bayer CropScience LP</i>
Pages	<i>11</i>
Date of Issue	<i>September 2023</i>
Prepared By	<i>NSF</i>
Contact	<i>789 N. Dixboro Road, Ann Arbor, MI, 48105, USA sustainability@nsf.org www.nsf.org</i>
Approved By	<i>David Jaber</i>
Work Carried Out By	<i>Razane Akil</i>

Overview:

This report verifies that soil carbon sequestration has occurred through reduced tillage practices on 979 acres of farm C21-0670 in Iowa, USA. Of the 979 acres reported by applicant, 974 acres were determined by the Nori model as eligible for NRT issuance. The farm's explicit location and owner is kept confidential to protect personal identifier information but verifier has confirmed exact location through background documentation.

This verification ensures that reasonable and sufficient evidence exists to substantiate that: 1) new farming practices were implemented that can sequester additional carbon compared to practices previous to the switch date; 2) the applicant has the right to sell the credit(s) – referred herein as Nori Removal Tonnes (NRTs)— associated with the land, 3) the credits are not being double-sold on other carbon credit markets, and 4) the applicant or land owner is not currently in violation of applicable laws.

We provide assurance at a limited level that regenerative agriculture practices that sequester additional carbon have been implemented since the switch event. Though no negative findings were noted during review, and overall evidence provided by the farm is thorough, uncertainty stems from limited verifier ability to confirm switch practices across the entire field – provided photographs only cover a small portion of total fields. We recommend periodic onsite audits, or more extensive video, in the renewal cycle to confirm the extent of verified practices.

Conflict of Interest Statement

No employee, executive or board member of the verifying body shall have any financial interest, direct or indirect, in this Nori Project, or any contract, agreement or other transaction contemplated to occur or be undertaken thereunder or with respect thereto, nor shall any such employee, executive or board member participate in any decision relating to the Nori Project which affects his or her personal interests or the interests of any corporation, partnership or association in which he or she is directly or indirectly interested.

If an employee, executive or board member of the verifying body is providing additional services to the Primary Contact or Data Manager or other interested party to this Nori Project it has been disclosed to all parties the role you as the verification and validation body (VVB) will be playing for this Nori project and these parties have waived any conflict of interest the VVB may have for this Nori project.

The undersigned represents and warrants that the above is true and correct.

Lisa Spicka de Bercegua

Name:

Director, Sustainability Consulting

Title:

1 Introduction

1.1 Summary Description of the Project

The C21-0670 Nori US Croplands Project is comprised of multiple fields totalling 979 acres located in Iowa. The reduced tillage methods employed to produce food in these fields draw CO₂ out of the atmosphere, enhancing soil health, moisture retention, soil productivity and increasing the percent of soil organic matter (SOM%), and related organic carbon (SOC), that is retained in the top 20 centimeters of soil.

Of the 979 acres reported by applicant, 974 acres were determined by the Nori model as eligible for NRT issuance. This project qualifies for a maximum of 5 years of “vintage” NRTs, or NRTs the Supplier has phased in a sequence of regenerative soil management, crop choice and cropping practices in the past (vintages 2018 through 2022), subject to verification of the annual Carbon Removal Claims. An NRT represents approximately 1 tonne of CO₂ removed from the atmosphere and sequestered in the soil for 10 years. This project reflects practice changes that were adopted during and/or after 2012 (the project “Switch year”).

Project Information:

Project Name <i>Name of the farm/project enrolling</i>	C21-0670
Sectoral Scope	Agriculture, Forestry, and Other Land Uses (AFULO)
Applicable Methodology	Croplands Methodology V1.4

Nori Project ID:	fa14a56f-0a0d-410c-b6e9-19003ef871dc fcd6738a-55da-456e-8033-c7d91fed5e1a 4d7df366-6c33-45e7-9602-a5d31fe1d2d3 e21c15c7-2928-4c8c-83a9-21c46a477a6b 064e8067-ddb6-4bcd-aa71-5bac20d7ec3c 398fbc39-9547-45db-b9a5-1b8ef08c3852 87d04ee8-1562-4a44-99b6-547607c6f591 afa17f05-b9ed-47a4-92d4-a8cb4367bcef d64ba229-b15c-4bfd-b929-8bebc7e591a5
State(s)	Iowa
County(ies)	

Contact Information:

Primary Contact Name	Bayer CropScience LP
Also known as <i>(past aliases, maiden name, etc)</i>	
Primary Contact cell phone number	833-877-7934
Primary Contact email	carbonprogram@bayer.com
Primary Contact Mailing Address	800 North Lindbergh Blvd St. Louis, MO 63167
Secondary Contact Name	N/A
Also known as <i>(past aliases, maiden name, etc)</i>	
Secondary Contact cell phone number	
Secondary Contact email	
Data Manager Company	

Data Manager Name (if not applicable, write N/A, if data manager is the secondary contact write "same as above")	N/A
Data Manager cell phone number	
Data Manager email	

1.2 Quantification Method

Nori uses a process-based model called Soil Metrics to estimate increases in SOC stocks resulting from the adoption of regenerative soil treatment and cropping practices.

The Soil Metrics platform is the commercial implementation of a Greenhouse Gas Implementation Tool model ("GGIT") that meets USDA greenhouse gas and carbon stock and flux estimation guidance (sometimes referred to as the "Blue Book" standards). The tool on which GGIT is based was developed by Colorado State University (CSU) staff and students, with funding from and under the guidance of the US Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS).¹ GGIT directly and indirectly relies on outputs from DayCent and up to 35 other models that are maintained and used by multiple US federal government agencies to estimate the SOC stock change and greenhouse gas (GHG) emissions impacts associated with changes in soil treatment, cropping and livestock management and production practices at both the field and farm-scale.

2 Verification Process

2.1 Method and Criteria

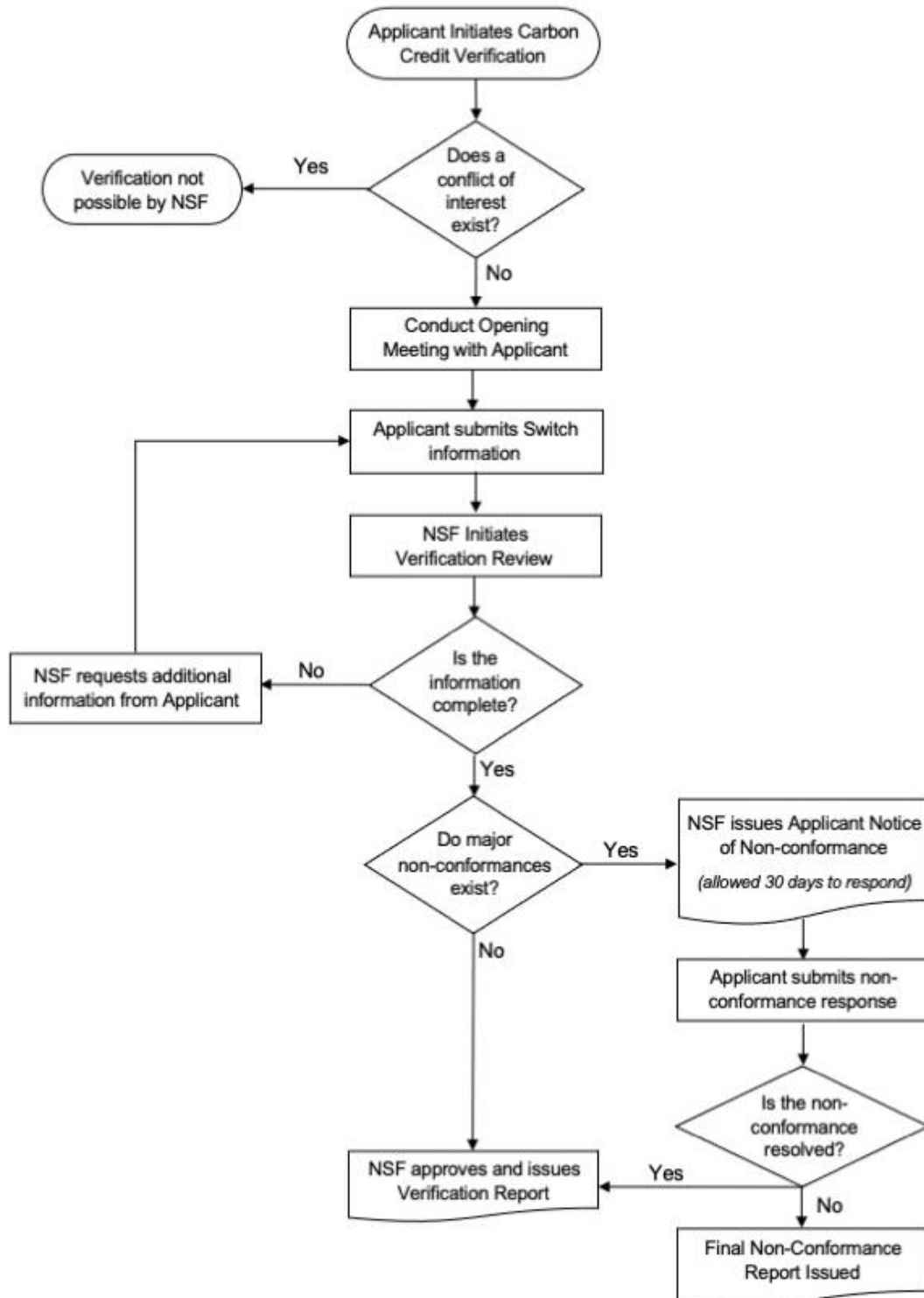
NSF's verification process involves verifying the following six items:

1. Non-Conflict of Interest (confirmed at the outset to ensure work can continue)
 2. Right to Register the Project
 3. Evidence Review
 4. Appropriateness of Project Switch Date
 5. No Double Selling of Credits
- Director, Sustainability Consulting

¹ <http://cometfarm.nrel.colostate.edu/>

6. Legal Compliance

Remote verification practices are used to complete the verification, unless clear concerns exist that can only be resolved through an in-person visit. NSF’s process is seen in the following flow chart:



2.2 Document Review

A review of documentation provided by Nori and the Supplier is a critical step to verify four of the verification criteria, including:

- 1) Right to register the project
- 2) Evidence review/replicability
 - a. Evidence that can provide substantial and compelling proof that the switch event occurred was reviewed, including:
 - i. *Grower attestation* regarding implementation of switch event and description of practices used to enable the switch event with signature. Description should highlight connections between switch events and other evidence provided (i.e. new equipment or input purchases).
 - ii. *Annual field photos* with date stamps, before and after switch date (or explanation of why before photos are not available, if not available).
 - iii. *Purchase/financial records* that demonstrate supplies or infrastructure were purchased to implement the alternate practice(s). These may include but are not limited to: inputs, seeds, fuel, labor records and equipment.
 - iv. *Field activity logs* for alternate practice, with date stamps to determine switch year.
- 3) Appropriateness of switch year
 - a. Reviewed various documents such as field records to prove when switch even occurred.
- 4) Legal compliance of the Land Operator/Farmer
 - a. Involved review of any regulatory violations in relevant databases, including the EPA, to verify the supplier is in legal compliance with applicable regulations.

2.3 Interviews and Site Inspections

Formal interviews and formal site inspections were not conducted. Supplemental information requests where required were sent to the NRT source farmer via the Applicant.

2.4 Resolution of Findings

The verification process can involve issuing supplemental information requests and corrective actions to the applicant when needed. The verification process allows a 30 day window for any corrective actions to be addressed. If not addressed after 30 days, a non-conformance report is issued, indicating the project did not pass verification.

During the verification process, we discovered field photos for two fields were missing. As all other supporting evidence was otherwise adequate, those fields passed verification. The grower also disclosed that fields have been enrolled in CSP program. Nori staff confirmed participation in that program does not disqualify a grower from providing NRTs to the Nori marketplace. The applicant was otherwise able to provide the necessary information.

2.5 Participation under other Carbon Programs

The following registries were checked to confirm that project is not registered by NRT supplier or source farmer:

- Verra
- ACR
- Climate Action Reserve
- Gold Standard
- Markit
- Nori

Checks involved searching the associated database(s) for the applicant and/or farmers' names. No duplicate listings were found.

3 Verification conclusion

This project complies with Nori Verification criteria as outlined in the current version of the Nori Croplands Methodology as of this report date. The body of evidence provided by the farm is thorough and compelling, in spite of the fact that visual evidence before the switch date was not available. Given these factors, we provide assurance at a limited level that regenerative agriculture practices have been implemented since the switch event and that NRTs have been generated.

Verification period: October 1, 2021 - September 30, 2022

4 Representation

Verification Statement: This is to state that, for the verification period from October 1, 2021 - September 30, 2022 this Nori Project C21-0670 carbon sequestration listed above for the aforementioned project: have been verified without qualification according to the Nori Pilot Croplands Methodology version 1.4 and all of the requirements of the Nori program. Nori, Primary Contacts, Suppliers and Buyers of Nori Removal Tonnes may rely on the terms of the Verification Statement and Report.

Attestation Lead Verifier: In signing this Verification Statement, I certify that the information contained herein is true, accurate and complete.

Senior Internal Reviewer: In signing this Verification Statement, I certify that the information contained herein is true, accurate and complete. I attest that I was not involved in the verification services documented in this Verification Statement but have conducted an independent review of the verification services and findings of the verification team and concur with this Verification Statement.

EXECUTED by NSF



Signature of Lead Verifier

Razane Akil

Name of Lead Verifier



Signature of Internal Reviewer

David Jaber

Name of Internal Reviewer