

LAP Material Certification

Mike Ricker & Pam Carriker

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**A new LAP Material Certification
guide is coming out in 2025**

What is a “Material Certification”?

Documented Process by which NCDOT certifies to FHWA that All materials and workmanship on each Federal-Aid project are in compliance with NCDOT Specifications and Federal Requirements

Just because it meets the “Contract” requirements, doesn’t mean it meets FHWA requirements.

Top 5 “Need To Know” For Contractors

1. Every material that arrives on site must have the required:

- **Certification** (Type 1-7; Section 106-3 Spec book)
- **Documentation** (Bill of Lading, Invoices, Buy America)
- **Sampling/Testing** (On-site, Pretested)
- **Tracking** (Heat Numbers, Manufacture Certification)

Top 5 “Need To Know” For Contractors

2. Shortage:

- Insufficient amount of a particular material for which a contractor receives payment; or,
- Lack of required certification, verification, sampling and/or testing of a particular material for which a contractor receives payment

Top 5 “Need To Know” For Contractors

3. Buy America: Review submitted letter from the contractor stating:

“All steel and iron products furnished as domestic products shall be melted, cast, formed, shaped, drawn, extruded, forged, fabricated, produced, or otherwise processed and manufactured in the United States.”

Top 5 “Need To Know” For Contractors

4. RFID

- Precast Concrete and Prestressed Concrete must come from an approved Producer/Supplier.
- The contractor needs to ensure that the material being produced/supplied by the approved producer/supplier is also NCDOT approved.
- RFID tags are cast in all pieces produced for NCDOT.
- If no RFID on material = No Pay

Top 5 “Need To Know” For Contractors

5. Weight Tickets

- Materials which require or specify a weighmaster stamp and are incorporated on LAP, or projects fully or partially supported by FHWA funding, must be signed by the active certified weighmaster to receive payment for that individual material.
- Tickets, receipts, or invoices without proper stamp and signature will not be approved or accepted on the project.
- Hard signatures, electronic signatures, or computer generated signatures are all acceptable methods, as long as it is provided by the active certified weighmaster who verifies the accurate weight.
- All tickets shall only display one weighmaster and their respectful signature, and not multiple names.

Materials must come from an Approved Producer/Supplier

- **Materials received from supply warehouses must include documentation from the original source.**
- **Advise Producer/Supplier to submit NCDOT required documentation.**
- **Concrete Mix designs must be on the approved list.**
- **Asphalt Job Mix Formulas must be on the approved list.**
- **Pipe, Precast and Prestress components will have an RFID code attached. We are no longer using the NCDOT Approved stamps.**
- **Frames and grates are accepted by Type III certification. We no longer require the CI01 form.**
- **Orange seed tags are being phased out.**
- **Certifications are no longer required for geosynthetics with the exception of Type 4a.**

Orange Seed Tags are being phased out

- **Discontinuation of Physical Tags/Stickers:** NCDA&CS will no longer attach physical tags or stickers to seed lots. Compliance must now be verified online through the Materials and Tests (M&T) Approved Products List (APL) website.
- **Online Verification:**
 - **APL Website:** NCDOT Project Inspectors must verify seed lot compliance on the APL website: [APL Seed List](#).
 - **Criteria:** Seed lots listed as “Meets Specifications” should be used on NCDOT projects. Do not use seed lots shown as anything other than “Meets Specifications”.
 - **Expiration Check:** Always check the expiration date of the seed lot. Expired seed is not allowed for use.

Orange Seed Tags are being phased out

- **Transitional Details:**

- **Existing Stickers/Tags:** Seed lots with existing tags or stickers are still acceptable for use if the seed lot has not expired but the tags/stickers will phase out over time.

Procedures:

- **Step-by-Step Process:**

- **Locate Seed Lot Number:** Use the lot number on the seed bag.
- **Access APL Website:** Go to the [APL Seed List](#).
- **Enter Lot Number:** Enter the lot number in the search field and review the results.
- **Confirm Compliance:** Ensure the seed lot is marked “Meets Specifications.”
- **Check Expiration:** Verify the seed is within its valid date.

DOT TALL FESCUE

LOOK FOR LOT NUMBER

LOT NUMBER: B3-23-4603

95.00% PURE SEED
02.00% OTHER CROP SEEDS
02.00% INERT MATTER
01.00% WEED SEEDS

TEST DATE: 09-23
NET WT: 50 LBS
GERMINATION: 85%
ORIGIN: OR

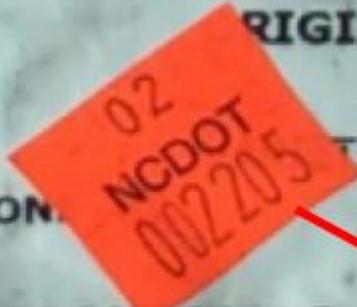
NOXIOUS WEED SEEDS: PER LB:NON

TY: TITAN TALL FESCUE

*TYPICAL SEED
TAG/STICKER
DELIVERED TO THE
PROJECT

GREEN RESOURCE LLC
PO BOX 429
COLFAX, NC 27235

NCDOT
Sticker/Tag
Will Phase
Out



- Approved Resources
- Approved Products List
- ITS & Signals Qualified Products List
- Seeds**
- Producer/Supplier
- Technician Certification
- Minimum Sampling Guide
- Alternate ID Lookup

Business »
Seeds

<https://apps.ncdot.gov/vendor/approvedproducts/Seed.aspx>

DOT Certification Number:
 Lab Number:
 Seed Kind:
 Seed Supplier:
 Lot Number:
 Expiration Date (mm/dd/yyyy):
 Seed Status:

ENTER LOT NUMBER IN APPROPRIATE FIELD, CLICK SEARCH, AND RESULTS WILL POPULATE BELOW

DOT Certification Number	Seed Kind	Seed Supplier	Lab Number	Lot Number	Test Stage	Expiration Date	Seed Status	Increased Seed Percent
02-002205	TALL FESCUE	GREEN RESOURCE - COLFAX	665474	B3-23-4603	Final Report	1/1/2025	Meets Specifications	0

This link opens Seed Details page.

***CHECK EXPIRATION DATE OF SEED*
EXPIRED SEED SHALL NOT BE USED ON
NCDOT PROJECTS.**

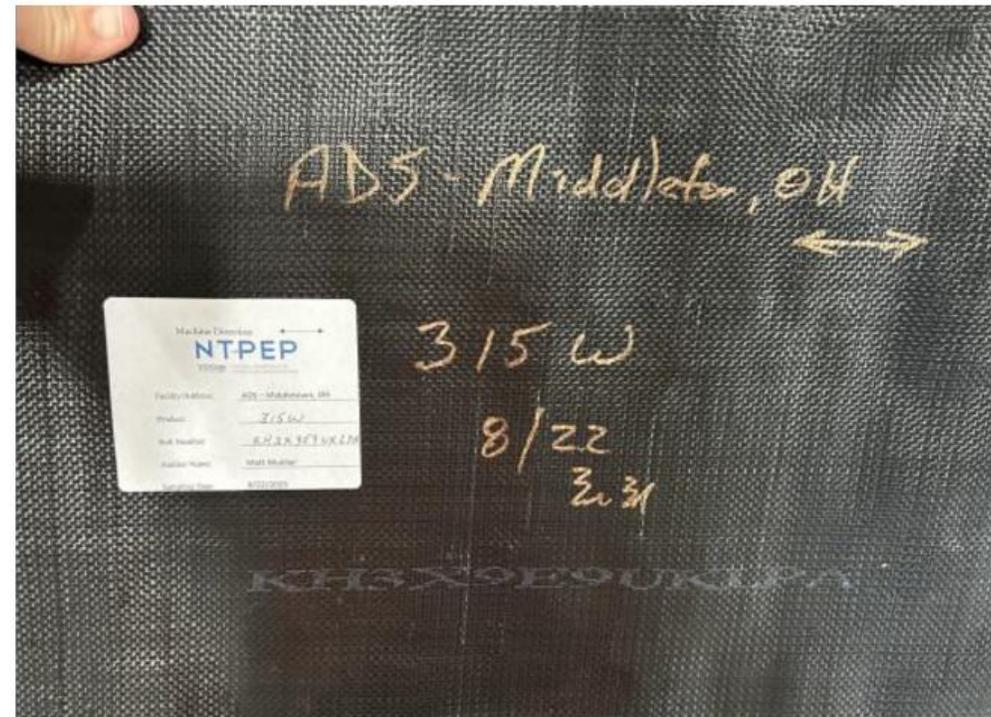
***CHECK SEED STATUS*
ONLY SEED SHOWN AS
"MEETS SPECIFICATIONS"
SHALL BE USED ON NCDOT
PROJECTS.**

Seed Details

DOT Certification Number: 02-002205
Lab Number: 665474
Seed Kind: TALL FESCUE
Varieties: TITAN
Seed Supplier: GREEN RESOURCE - COLFAX
Lot Number: B3-23-4603
Test Stage: Final Report
Expiration Date: 1/1/2025
Seed Status: Meets Specifications
Number of Bags: 840
Weight per Bag (lbs.): 50
Quantity (lbs.): 42000
Germ Test Date: 10/16/2023
Restricted Noxious Weed (lbs.): 0
TZ: 93
Purity: 99.3
Inert Matter: 0.7
Other Crop: 0
Weed Seed: 0
Pure Live Seed: 92.35
Germ: 93
Hard Seed / Dormant Seed: 0
Total Germ: 93
Increased Seed Percent: 0
Comments:

Geotextile Markings

Applies to Type 1 through 3 now and soon Type 5a;
still need certs on Type 4a



Sampling and Testing requirements

- All sampling and Testing must be performed by a certified technician.
- Ready mix concrete is accepted on 28 day compressive strength tests. Early breaks are for informational purposes only.
- Non-NCDOT testing laboratories must be approved by NCDOT Materials & Tests Unit

Precast and Prestress Units

- Precast and Prestress units are pre-approved by NCDOT M&T, at the active and approved producer's facility. Once approved, the M&T inspector will generate a Field Inspection Report (FIR) and place it in the HiCAMS system.
- On-site approval of precast and/or prestress units are **NOT** permitted.

Precast and Prestress Units

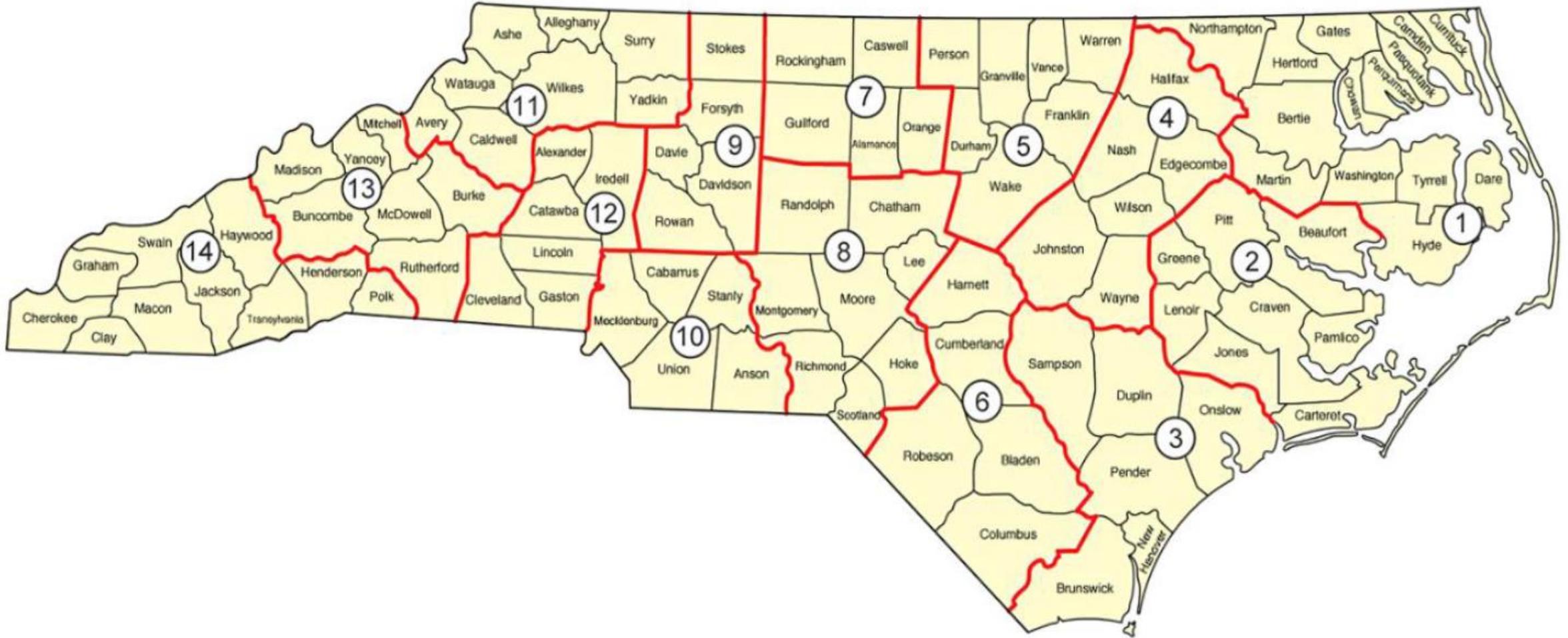
- If units are damaged during loading, transportation, unloading or storage, the unit can be rejected. If this occurs, recommendation is to notify the producer that the units have been rejected and need to be replaced. In addition, inform M&T of the rejection so those pieces can be marked as “Rejected” in the HiCAMS record and not reused.

Fabricators and Pedestrian Bridges

- The notification of work form shall be submitted with a 3 day notice in state, or an 8 day notice out of state, before fabrication.
- The notification form can be found at:

[MT Form M4000 Notification of Beginning Work.pdf \(ncdot.gov\)](#)

Materials & Tests LAP Territory



Divisions	M&T Representative	Phone No.	Email Contact
1 – 2 - 4	Emily Nichols	919-646-0052	ext-ecnichols@ncdot.gov
3 - 9 -10	Pam Carriker	704-798-4332	ext-pdcarriker@ncdot.gov
5	Angela Pace	919-646-0052	ext-acpace@ncdot.gov
6 – 8 - 12	Randy Pace	919-348-8540	rpace@pacepllc.com
7 -11-13	Jerry Sands	919-646-0052	ext-grsands@ncdot.gov
14	Sam Frederick	984-272-5545	sjfrederick@ncdot.gov

Mike Ricker

mdricker@ncdot.gov

828-385-2645

Pam Carriker

ext-pdcarriker@ncdot.gov

704-798-4332

Thank You!