



Post-Harvest Grain Moisture Content Checklist

Pre-Harvest Considerations

Actions to take **before** harvest that impact moisture content during storage. Focuses on management practices.

Expected Harvest Date (Day of Year)

Crop Variety Used (Influences Moisture Content)

- ☐ Variety A
- ☐ Variety B
- ☐ Variety C
- ☐ Other (Specify in Long Text)

Notes on Recent Weather Patterns (Drought, Rain, etc.)

Current Soil Moisture Levels (Scale of 1-10)

Management Practices Implemented (Select all that apply)

- ☐ Controlled Irrigation
- ☐ Fertilizer Application
- ☐ Pest & Disease Control
- ☐ Weed Management

Date of Last Irrigation

Enter date...

Harvesting & Initial Handling

Checks relating to the harvesting process and immediate handling of the grain to minimize moisture damage.

Harvested Grain Volume (tons/bushels)

Enter a number...

Harvest Method Used

- ☐ Combine
- ☐ Manual
- ☐ Other (Specify)

Describe any unusual conditions during harvest (e.g., uneven ripening, weather)

Write something...

Estimated Grain Moisture Content at Harvest (%)

Enter a number...

Cleanliness of Grain at Harvest

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

Foreign Materials Present?

- ☐ Weeds
- ☐ Stones
- ☐ Dirt/Clay
- ☐ Insect Damage
- ☐ None

Describe any observed damage to grain during harvesting or initial handling (e.g., breakage, bruising)

Write something...

Moisture Measurement - Equipment & Calibration

Ensuring accurate moisture measurements through proper equipment and calibration.

Moisture Meter Type Used?

- ☐ Handheld Electric
- ☐ Grain Bin Monitor
- ☐ Near-Infrared (NIR) Sensor
- ☐ Drive-Over Scale with Moisture Sensor
- ☐ Other - Specify

Manufacturer of Moisture Meter?

Write something...

Model Number of Moisture Meter?

Write something...

Last Calibration Date (YYYY-MM-DD)

Enter a number...

Next Calibration Date Due (YYYY-MM-DD)

Enter date...

Calibration Standard Used (Moisture %)

Enter a number...

Record of Calibration Readings (Standard vs. Meter Reading)

Write something...

Calibration Verification Passed?

☐ Yes

☐ No

☐ N/A

If Calibration Failed, Describe Problem and Action Taken

Write something...

Grain Moisture Content Assessment

Detailed steps for taking and interpreting moisture content readings.

Grain Lot ID

Enter a number...

Grain Type

- ☐ Wheat
- ☐ Corn
- ☐ Soybean
- ☐ Barley
- ☐ Rice
- ☐ Oats
- ☐ Other (Specify in LONG_TEXT)

If 'Other' grain type selected, specify:

Write something...

Moisture Measurement Method

- ☐ Moisture Meter (Electrical)
- ☐ Moisture Meter (Capacitance)
- ☐ Oven Drying Method
- ☐ Other (Specify in LONG_TEXT)

If 'Other' measurement method selected, specify:

Write something...

Moisture Content (%) - Reading 1

Enter a number...

Moisture Content (%) - Reading 2

Enter a number...

Average Moisture Content (%)

Enter a number...

Acceptable Moisture Content Range (According to standards)

- ☐ Check local/regional standards
- ☐ Not Applicable

Comments/Observations (e.g., grain condition, meter readings, any anomalies)

Write something...

Storage Preparation & Sealing

Checking the condition of storage facilities and ensuring proper sealing to prevent moisture ingress.

Storage Type

- ☐ Grain Bin
- ☐ Silo
- ☐ Flat Storage
- ☐ Other

Bin/Silo Cleanliness Rating (1-10)

Enter a number...

Pre-Storage Cleaning Procedures Completed?

- ☐ Sweeping
- ☐ Scraping
- ☐ Washing
- ☐ Insecticide Application
- ☐ None

Sealing Material Type

- ☐ Tarpaulin
- ☐ Grain Bags
- ☐ Caulking
- ☐ None

Number of Roof/Wall Seam Leaks Identified

Enter a number...

Description of Any Structural Damage (roof, walls, floor)

Write something...

Ventilation System Operational?

- ☐ Yes
- ☐ No
- ☐ Not Applicable

Comments regarding storage preparation

Write something...

Monitoring During Storage

Regular checks and procedures for monitoring moisture content within the storage facility.

Date of Moisture Content Check

Enter date...

Time of Moisture Content Check

Moisture Content (%)

Enter a number...

Temperature (°C/°F)

Enter a number...

Grain Condition (Appearance)

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

Odor Presence

- ☐ None
- ☐ Fungi
- ☐ Musty
- ☐ Other

Notes/Observations

Write something...

Action Taken (if applicable)

- ☐ None
- ☐ Aeration
- ☐ Temperature Adjustment
- ☐ Re-stacking
- ☐ Other

Details of Action Taken (if applicable)

Write something...

Corrective Actions

Steps to take if moisture content exceeds acceptable limits.

Moisture Content Exceeds Limit: Initial Action

- ☐ Increase Ventilation
- ☐ Reduce Grain Mass (Removal)
- ☐ Apply Drying Strategy
- ☐ Monitor Closely (No Immediate Action)

Target Moisture Content (Percentage)

Enter a number...

Description of Drying Strategy Implemented

Write something...

Airflow Rate (CFM) if applicable

Enter a number...

Date of Corrective Action Initiated

Enter date...

Time of Corrective Action Initiated

Amount of Grain Removed (Kilograms/Pounds)

Enter a number...

Reason for Moisture Exceedance

- ☐ Incomplete Drying
- ☐ Poor Ventilation
- ☐ Leakage/Moisture Ingress
- ☐ Unforeseen Weather Event
- ☐ Other

Additional Notes & Observations

Write something...