ChecklistGuro

Grain Storage Temperature And Humidity Checklist

Show only Checklist

Display Style
Default

Pre-Storage Assessment & Planning

Initial evaluation of grain condition and storage environment to establish baseline and identify potential issues.

Date of Assessment

Enter date...

Grain Type & Variety

Write something...

Initial Grain Moisture Content (%)

Enter a number...

Storage Bin/Silo Number

Enter a number...

Storage Type

- [ ] Bunker Silo
- [ ] Grain Bin
- [ ] Flat Storage
- [ ] Bagged Storage

Pre-Storage Grain Condition Notes (e.g., damage, foreign matter)

Write something...

Desired Storage Temperature (°C/°F)

Enter a number...

Storage Facility Condition

- [ ] Good
- [ ] Fair
- [ ] Poor

Temperature Monitoring

Regularly checking and recording grain temperature at various locations within the storage facility.

Temperature at Probe 1 (°C/°F)

Enter a number...

Temperature at Probe 2 (°C/°F)

Enter a number...

Temperature at Probe 3 (°C/°F)

Enter a number...

Average Grain Temperature (°C/°F)

Enter a number...

Temperature Trend (compared to previous reading)

- [ ] Increasing
- [ ] Decreasing
- [ ] Stable

Date of Temperature Reading

Enter date...

Time of Temperature Reading

Enter time...

Notes on Temperature Readings (e.g., location issues, unusual readings)

Write something...

Humidity Monitoring

Tracking and analyzing moisture content and humidity levels within the storage environment.

Average Grain Moisture Content (%)

Enter a number...

Ambient Humidity (%)

Enter a number...

Storage Bin Humidity (%)

Enter a number...

Date of Humidity Measurement

Enter date...

Time of Humidity Measurement

Enter time...

Measurement Method Used

- [ ] Moisture Meter
- [ ] Drying Curve
- [ ] Other (Specify in Long Text)

Details Regarding Measurement Method (if 'Other')

Write something...

Moisture Content Status

- [ ] Acceptable
- [ ] Slightly High
- [ ] High
- [ ] Critical

Ventilation and Aeration

Evaluating and managing ventilation and aeration systems to maintain optimal temperature and humidity.

Airflow Rate (CFM) - Check & Record

Enter a number...

Air Temperature (°F) - Intake

Enter a number...

Air Temperature (°F) - Exhaust

Enter a number...

Relative Humidity (%) - Intake Air

Enter a number...

Aeration System Status

- [ ] Operating Normally
- [ ] Operating at Reduced Capacity
- [ ] Not Operating
- [ ] Alarming

Fan Speed Setting

- [ ] Low
- [ ] Medium
- [ ] High
- [ ] Automatic

Notes on Ventilation/Aeration Observations

Write something...

Last Ventilation System Maintenance Date

Enter date...

Pest and Mold Control

Inspecting for and addressing potential pest and mold issues related to temperature and humidity conditions.

Evidence of Pest Activity?

- [ ] No
- [ ] Yes - Visual Signs
- [ ] Yes - Traps Detected

Description of Pest Signs (if any)

Write something...

Mold Odor Detected?

- [ ] No
- [ ] Yes - Slight
- [ ] Yes - Moderate
- [ ] Yes - Strong

Temperature at Mold Detection Point (°C/°F)

Enter a number...

Humidity at Mold Detection Point (%)

Enter a number...

Photos/Evidence of Pest or Mold (Optional)

Upload File

Corrective Actions Taken (e.g., pesticide application, fumigation)

Write something...

Date of Corrective Action

Enter date...

Record Keeping & Reporting

Maintaining accurate records of temperature, humidity, and corrective actions taken.

Date of Record

Enter date...

Time of Measurement

Enter time...

Average Grain Temperature (°F/°C)

Enter a number...

Average Grain Humidity (%)

Enter a number...

Observations & Notes (e.g., signs of moisture, condensation)

Write something...

Condition of Storage Bin

- [ ] Excellent
- [ ] Good
- [ ] Fair
- [ ] Poor

Supporting Photos/Documents

Upload File

Initials of Person Recording Data

Write something...

Equipment Maintenance

Routine maintenance and calibration of temperature and humidity monitoring equipment.

Last Calibration Date (Temperature Sensors)

Enter date...

Last Calibration Date (Humidity Sensors)

Enter date...

Temperature Sensor Accuracy (± °C/°F)

Enter a number...

Humidity Sensor Accuracy (± %)

Enter a number...

Details of Calibration Procedure Followed

Write something...

Calibration Standard Used

- [ ] NIST traceable standard
- [ ] Manufacturer's Recommended Standard
- [ ] Other (Specify)

Notes/Observations during Calibration (e.g., drift, error codes)

Write something...

Equipment Status After Calibration

- [ ] Operational
- [ ] Needs Repair
- [ ] Out of Service