



Grain Storage Pest Control Checklist

Pre-Harvest Field Assessment

Evaluate the field conditions and grain maturity to minimize pest carryover to storage.

Date of Field Assessment

Field Location (GPS Coordinates or Description)

 [Set My Current Location](#)



Grain Type

- ☐ Corn
- ☐ Wheat
- ☐ Soybeans
- ☐ Barley
- ☐ Oats
- ☐ Rice
- ☐ Other (Specify)

Grain Moisture Content (%)

Enter a number...

Observed Weed Species

- ☐ Broadleaf Weeds
- ☐ Grassy Weeds
- ☐ No Weeds Observed

Notes on General Field Condition (e.g., crop health, lodging)

Write something...

Evidence of Pest Damage Observed?

- ☐ Yes
- ☐ No
- ☐ Uncertain

Describe any observed pest damage (if applicable)

Write something...

Harvesting and Transportation

Minimize grain losses and contamination during harvest and transportation.

Moisture Content at Harvest (%)

Enter a number...

Harvesting Equipment Cleanliness

- ☐ Clean
- ☐ Needs Cleaning
- ☐ Significantly Dirty

Type of Harvesting Equipment Used (e.g., Combine, Auger)

Write something...

Estimated Grain Loss During Harvest (bushels/acre)

Enter a number...

Transportation Method

- ☐ Truck
- ☐ Railcar
- ☐ Grain Elevator Conveyor
- ☐ Other

Any Obvious Signs of Pests Observed During Harvesting/Transportation?

Write something...

Distance Grain Transported (miles)

Enter a number...

Condition of Grain Truck/Railcar

- ☐ Clean
- ☐ Moderately Clean
- ☐ Dirty

Storage Structure Preparation

Thoroughly clean and inspect storage structures before grain is placed inside.

Describe existing structural issues (cracks, leaks, etc.)

Write something...


Identify previous pest presence (indicate all that apply)

- ☐ Grain Weevils
- ☐ Indian Meal Moths
- ☐ Saw-toothed Grain Beetles
- ☐ Stored Product Ants
- ☐ Rodents
- ☐ Birds
- ☐ None
- ☐ Unknown

Measure and record cracks/gaps exceeding 1/8 inch (linear feet)

Enter a number...

Upload photos of storage structure (interior & exterior)

 Upload File

Floor Type

- ☐ Concrete
- ☐ Wood
- ☐ Dirt
- ☐ Steel

Describe any previous pest control treatments applied to the structure.

Write something...

Roof Condition

- ☐ Good
- ☐ Fair
- ☐ Poor

Grain Drying and Cleaning

Reduce moisture content and remove foreign material to create an unfavorable environment for pests.

Initial Grain Moisture Content (%)

Enter a number...

Target Grain Moisture Content (%)

Enter a number...

Drying Method Used

- ☐ Natural Air Drying
- ☐ Forced Air Drying
- ☐ Solar Drying
- ☐ Other (Specify)

Notes on Drying Process (e.g., airflow, temperature control)

Write something...

Foreign Materials Removed (Check all that apply)

- ☐ Weeds
- ☐ Stones
- ☐ Dirt/Clay
- ☐ Metal
- ☐ Broken Grain
- ☐ Other (Specify)

Percentage of Foreign Material Removed (%)

Enter a number...

Date of Drying and Cleaning

Enter date...

Any unusual observations during cleaning?

Write something...

Grain Storage Monitoring

Regularly inspect grain for signs of pest infestation and environmental issues.

Date of Inspection

Enter date...

Time of Inspection

Grain Temperature (Top)

Enter a number...

Grain Temperature (Middle)

Enter a number...

Grain Temperature (Bottom)

Enter a number...

Visible Pest Signs?

- ☐ Yes
- ☐ No
- ☐ Unsure


Description of Observations (e.g., insect presence, mold, odor)

Write something...

Possible Pest Types Observed (Check all that apply)

- ☐ Weevils
- ☐ Corcids
- ☐ Indian Meal Moths
- ☐ Grain Borers
- ☐ Angoumois Grain Moths
- ☐ Other

Upload Photo Evidence (if applicable)

 Upload File

Pest Control Measures (Preventative)

Implement strategies to prevent pest infestations before they occur.

Grain Fumigation Method (Pre-Storage)

- ☐ Not Applicable (No Fumigation)
- ☐ Chloropicrin Fumigation
- ☐ Phosphine Fumigation
- ☐ Other (Specify)

Recommended Application Rate of Grain Protectant (lbs/1000 bu)

Enter a number...

Sanitation Practices Implemented

- ☐ Sweep and Remove Debris
- ☐ Power Wash Structure
- ☐ Seal Cracks and Gaps
- ☐ Repair Damaged Screens
- ☐ Clean Fan and Ventilation Systems

Rodent Proofing Measures

- ☐ None
- ☐ Hardware Cloth around vents
- ☐ Sealed Foundations
- ☐ Rodent Bait Stations (Exterior)

Date of Last Structural Sanitation Treatment

Enter date...

Description of Additional Preventative Measures

Write something...

Pest Control Measures (Corrective)

Actions to take if pests are detected in the grain.

Identify the Pest(s) Present

- ☐ Indianmeal Moth
- ☐ Almond Moth
- ☐ Grain Weevil
- ☐ Rice Weevil
- ☐ Angoumois Grain Moth
- ☐ Khapra Beetle
- ☐ Unknown

Estimated Infestation Level (percentage of grain)

Enter a number...

Control Method Chosen (Initial)

- ☐ Aeration
- ☐ Temperature Manipulation (heat/cold)
- ☐ Chemical Treatment (approved product)
- ☐ Physical Removal (affected grain)
- ☐ Other

Describe the application of chemical treatment (if used)

Write something...

Date of corrective action implemented

Enter date...

Describe any unusual observations or issues encountered during corrective action.

Write something...

Quantity of pesticide applied (if applicable)

Enter a number...

Effectiveness of initial corrective action (after 7 days)

- ☐ Highly Effective
- ☐ Moderately Effective
- ☐ Slightly Effective
- ☐ Not Effective

If further action is required, select all that apply:

- ☐ Re-application of pesticide
- ☐ Increased aeration
- ☐ Further grain removal
- ☐ Consultation with Entomologist
- ☐ None

Record Keeping

Maintain accurate records of all pest control activities.

Date of Record Entry

Grain Lot Number/Identifier

Description of Observation/Action Taken

Type of Pest Observed (if any)

- ☐ None
- ☐ Weevils
- ☐ Grain Borers
- ☐ Moths
- ☐ Other (Specify in Description)

Estimated Pest Population (if observed)

Enter a number...

Control Method Used (if applicable)

- ☐ None
- ☐ Aeration
- ☐ Insecticide Application
- ☐ Other (Specify in Description)


Details of Insecticide Used (if applicable - Product Name, Concentration)

Write something...

Date of Next Inspection

Enter date...

Supporting Photos/Documents

 Upload File

Safety Considerations

Ensure the safe handling and application of any pest control products.

Review Material Safety Data Sheets (MSDS) for all pesticides/fumigants.

Write something...

Personal Protective Equipment (PPE) Requirements - What PPE is required for application?

- ☐ Respirator
- ☐ Gloves
- ☐ Eye Protection
- ☐ Coveralls
- ☐ Boots
- ☐ Other (Specify in Long Text)

Number of personnel trained in safe pesticide/fumigant handling.

Enter a number...

Describe emergency procedures in case of accidental exposure or spill.

Write something...

Ventilation Procedures – Are ventilation procedures in place and understood?

- ☐ Yes
- ☐ No

Date of last safety training session for grain storage pest control.

Enter date...