

Farm Greenhouse Seedling Nursery Management Checklist 2026

Seed Sowing & Germination Environment

Verification of seed tray preparation, media moisture levels, temperature consistency, and germination substrate sterilization.

Sowing Date

Substrate Type

- ☐ Peat Moss Based
- ☐ Coconut Coir
- ☐ Perlite/Vermiculite Mix
- ☐ Compost-Based

Germination Temperature (°C)

Pre-Sowing Sterilization Steps Completed

- ☐ Tray Sterilization
- ☐ Substrate Hydration
- ☐ Seed Disinfection
- ☐ Media pH Adjustment

Seed Lot & Variety Details

Write something...

Supervisor Verification

Climate & Atmospheric Control

Monitoring of greenhouse ambient temperature, relative humidity, CO2 levels, and ventilation system functionality.

Inspection Date

Enter date...

Ambient Temperature (°C/°F)

Enter a number...

Relative Humidity (%)

Enter a number...

CO2 Concentration (ppm)

Enter a number...

Ventilation System Status

- ☐ Operational
- ☐ Malfunctioning
- ☐ Maintenance Required

Climate Anomalies Observed

- ☐ Temperature Spikes
- ☐ Excessive Condensation
- ☐ Low Humidity
- ☐ Draft/Air Leaks

Climate Control Observations & Corrective Actions

Write something...

Supervisor Verification

Seedling Vigor & Health Assessment

Evaluation of seedling height, stem strength, leaf color, root development, and early identification of damping-off or pathogens.

Assessment Date

Enter date...

Average Seedling Height (cm)

- ☐ Under 5cm
- ☐ 5cm - 10cm
- ☐ 10cm - 20cm
- ☐ Over 20cm

Stem Thickness/Strength

- ☐ Weak/Spindly
- ☐ Average
- ☐ Robust/Strong

Observed Health Indicators

- ☐ Uniform Color
- ☐ Deep Green Foliage
- ☐ Strong Root Development
- ☐ Signs of Wilting
- ☐ Leaf Yellowing (Chlorosis)
- ☐ Stunted Growth

Detailed Health Observations

Write something...

Seedling Macro Photos

 Upload File

Assessor Signature

Irrigation & Fertigation Management

Checking of automated drip systems, nutrient solution EC (Electrical Conductivity) and pH levels, and watering frequency logs.

Irrigation Cycle Date

Enter date...

Watering Volume per Zone (Liters/Zone)

Enter a number...

Nutrient Solution pH Level

Enter a number...

Nutrient Solution EC (Electrical Conductivity)

Enter a number...

Irrigation Method Used

- ☐ Drip Irrigation
- ☐ Mist/Mister System
- ☐ Manual Hand Watering
- ☐ Overhead Sprinklers

Fertilizer Components Added

- ☐ Nitrogen (N)
- ☐ Phosphorus (P)
- ☐ Potassium (K)
- ☐ Magnesium (Mg)
- ☐ Calcium (Ca)

Fertigation Observations & Anomalies

Write something...

Technician Verification

Light Intensity & Photoperiod Regulation

Assessment of supplemental lighting functionality, PAR (Photosynthetically Active Radiation) levels, and shading cloth deployment.

Date of Observation

Enter date...

Measured PAR (Photosynthetically Active Radiation) Level

Enter a number...

Supplemental Lighting Status

- ☐ Operational
- ☐ Non-Operational
- ☐ Maintenance Required

Photoperiod Duration (Total Daily Light Hours)

Enter time...

Shading/Covering Methods Used

- ☐ Aluminized Shade Cloth
- ☐ Black Shade Netting
- ☐ Insect Netting
- ☐ No Shading Applied

Light Deficiency or Intensity Anomalies

Write something...

Technician Verification

Integrated Pest & Disease Prevention

Routine inspection for greenhouse pests (aphids, whiteflies, thrips), monitoring of beneficial insect populations, and sanitation protocols.

Inspection Date

Enter date...

Detected Pests

- ☐ Aphids
- ☐ Whiteflies
- ☐ Thrips
- ☐ Spider Mites
- ☐ Fungus Gnats
- ☐ None Detected

Observed Disease Symptoms

- ☐ Leaf Spotting
- ☐ Stem Rot/Damping-off
- ☐ Wilting
- ☐ Powdery Mildew
- ☐ Root Decay

Detailed Observation Notes

Write something...

Upload Pest/Disease Photos

 Upload File

Inspector Signature

Nursery Infrastructure & Equipment Maintenance

Inspection of greenhouse glazing/poly-film integrity, bench stability, tray cleaning procedures, and automated sensor calibration.

Inspection Date

Greenhouse Zone/Unit ID

- ☐ Zone A - Germination Chamber
- ☐ Zone B - Propagation Bench
- ☐ Zone C - Hardening-Off Area

Equipment Inspected

- ☐ Irrigation Controllers
- ☐ Ventilation Fans
- ☐ Heating/Cooling Units
- ☐ Mist/Fogging Systems
- ☐ Automated Shading Systems

Ambient Temperature Reading (°C)

Maintenance Notes & Required Repairs

Photo Evidence of Equipment Issues

 Upload File

Inspector Signature



Inventory & Traceability Records

Logging of seed lot numbers, batch planting dates, variety types, and movement of trays from germination to hardening-off zones.

Planting Date

Enter date...

Seed Lot/Batch Number

Write something...

Crop Variety/Cultivar

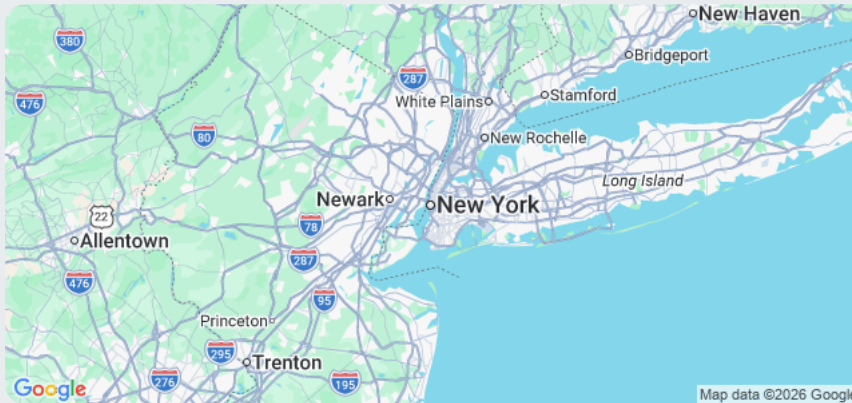
- ☐ Tomato (Determinate)
- ☐ Pepper (Bell)
- ☐ Cucumber (Parthenocarpic)
- ☐ Other

Total Seedlings Sown

Enter a number...

Greenhouse Zone/Bench ID

 **Set My Current Location**



Seed Packet/Invoice Photo

 Upload File

Nursery Manager Verification

Hardening-Off & Transplant Readiness

Evaluation of seedling resilience to outdoor conditions, stem lignification, and preparation for field or container transplanting.

Hardening-Off Start Date

Enter date...

Hardening-Off Stage

- ☐ Initial Acclimatization
- ☐ Intermediate Exposure
- ☐ Full Outdoor Exposure
- ☐ Ready for Transplanting

Average Daily Temperature Range (°C)

Enter a number...

Completed Hardening Tasks

- ☐ Reduced Greenhouse Humidity
- ☐ Increased Daylight Exposure
- ☐ Wind Exposure Testing
- ☐ Temperature Fluctuations Exposure

Observation Notes on Seedling Resilience

Write something...

Nursery Manager Approval

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✔ Finish

✎ Generate Sample Report