



# Orchard Irrigation and Maintenance Checklist

## Irrigation System Inspection

Check for leaks, blockages, and proper operation of irrigation equipment.

### Inspection Date

### Water Pressure (PSI)

### Flow Rate (GPM)

### Sprinkler Head Performance

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


### Leaks Detected?

- ☐ Main Line
- ☐ Sprinkler Heads
- ☐ Fittings
- ☐ None

### Notes on Sprinkler Head Performance

Write something...

### Photo of Leak (if applicable)

 Upload File

## Pump House & Well Maintenance

Inspect and maintain well pumps, motors, and related infrastructure.

### Last Pump Service Date

Enter date...

### Pump Motor Voltage (V)

Enter a number...

### Pump Motor Amperage (A)

Enter a number...

### Well Water Level (Feet)

Enter a number...

### Pump Condition

☐ Excellent

☐ Good

☐ Fair

☐ Poor

### Notes on Pump Performance/Issues

Write something...

### Photo of Pump House (Optional)

 Upload File

## Filter Maintenance

Clean or replace irrigation filters to ensure water quality.

### Filter Maintenance Date

Enter date...

### Filter Pressure (PSI)

Enter a number...

### Filter Type

- ☐ Sand
- ☐ Disk
- ☐ Screen
- ☐ Other


### Filter Cleaning Cycle (Days)

Enter a number...


### Cleaning Method Used

Write something...

### Filter Before Cleaning Photo (Optional)

 Upload File

### Filter After Cleaning Photo (Optional)

 Upload File

### Filter Media Replacement Interval (Days)

Enter a number...

## Sprinkler Head Assessment

Check sprinkler head distribution patterns and functionality.

### Sprinkler Head 1 - Flow Rate (GPM)

Enter a number...

### Sprinkler Head 1 - Precipitation (inches/hr)

Enter a number...

### Sprinkler Head 1 - Distribution Pattern

- ☐ Uniform
- ☐ Slightly Uneven
- ☐ Uneven
- ☐ Poor

### Sprinkler Head 1 - Nozzle Condition

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

### Sprinkler Head 1 - Notes/Observations

Write something...

### Sprinkler Head 1 - Photo Evidence

 Upload File

# Pipeline & Fittings Inspection

Inspect pipelines, valves, and fittings for damage or leaks.

## Pipeline Pressure (PSI)

Enter a number...

## Pipe Material Condition

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

## Fitting Condition (each fitting checked)

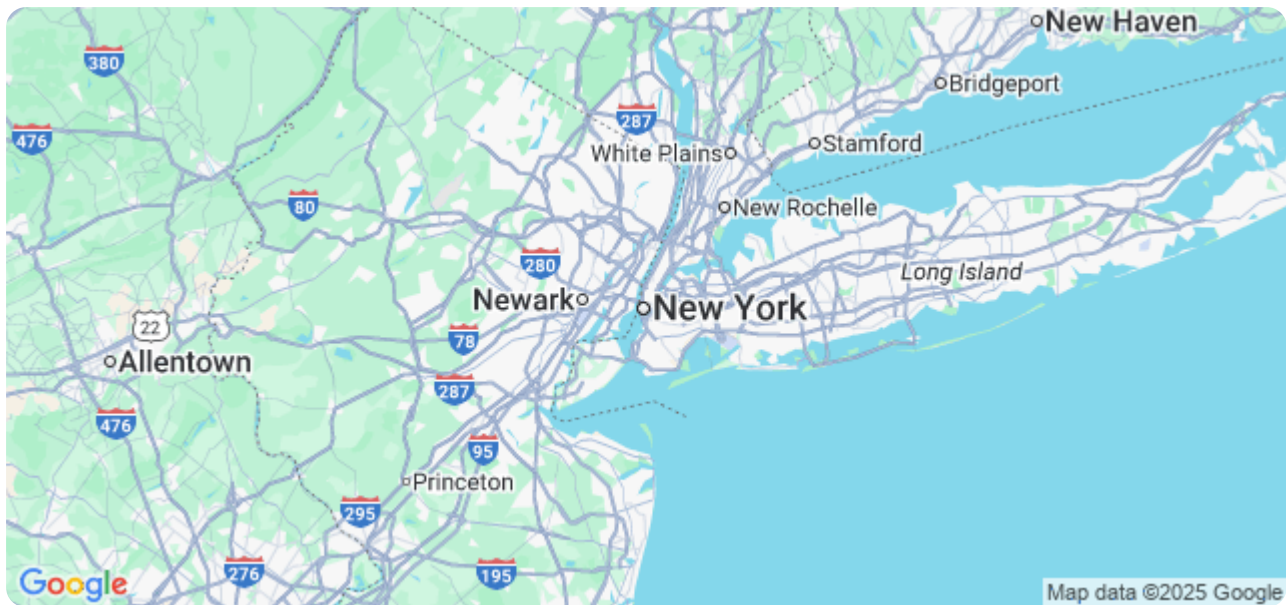
- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

## Notes on Pipe/Fitting Condition (corrosion, cracks, etc.)

Write something...

### GPS Location of Leak/Issue (if applicable)

 [Set My Current Location](#)



### Photos of Damage/Leaks (if applicable)

 [Upload File](#)

## Water Source Monitoring

Check water levels and quality of the irrigation water source.

### Monitoring Date

Enter date...

### Water Level (Feet/Meters)

Enter a number...

### Water Temperature (°C/°F)

Enter a number...

### pH Level

Enter a number...

### Electrical Conductivity (EC) (µS/cm)

Enter a number...

### Water Clarity

- ☐ Clear
- ☐ Slightly Cloudy
- ☐ Cloudy
- ☐ Turbid

### Observations/Notes (e.g., algae bloom, unusual odor)

Write something...

## Fertigation System Check

Verify proper functioning and calibration of fertigation equipment.

### Fertilizer Tank Level (Gallons)

Enter a number...



### Injection Pump Pressure (PSI)

Enter a number...

### Flow Rate (GPM)

Enter a number...

### Fertilizer Solution Type

- ☐ Nitrogen
- ☐ Phosphorus
- ☐ Potassium
- ☐ Micro-Nutrients
- ☐ Other

### Last Calibration Date

Enter date...

### Start Time of Fertilization

### Notes/Observations

Write something...

## Tree Health & Water Stress Observation

Monitor trees for signs of water stress or disease related to irrigation.

### Overall Tree Vigor

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

### Leaf Wilting Score (1-5, 1=No Wilting, 5=Severe)

Enter a number...

### Leaf Color

- ☐ Healthy Green
- ☐ Yellowing
- ☐ Brown Spots
- ☐ Other - Specify

### Notes on Leaf Appearance (Specify color variations, spots, etc.)

Write something...

### Soil Moisture (Visual Assessment)

- ☐ Sufficiently Moist
- ☐ Slightly Dry
- ☐ Dry
- ☐ Very Dry

### Date of Observation

### Time of Observation

## Record Keeping & Documentation

Log irrigation data, maintenance activities, and any issues identified.

### Date of Inspection

### Start Time

### End Time

### Water Flow Rate (GPM)

### Water Pressure (PSI)

### Notes/Observations

Write something...

### Next Scheduled Maintenance

- ☐ 1 Week
- ☐ 2 Weeks
- ☐ 1 Month
- ☐ 3 Months

### Supporting Photos/Documents

 Upload File

### Inspector Signature