



Agricultural Irrigation Maintenance Checklist

Pre-Season | In-Season | Post-Season | Weekly Performance Log

Farm / Field: _____

Season: _____

Year: _____

Pre-Season Checklist

- ☐ **System Flush**
Run mainlines until water is clear of silt and rust.
- ☐ **Static Pressure Test**
PSI with all outlets closed: _____
- ☐ **Priming and Air Bleed**
Pump is primed; air bled from all high-point valves.
- ☐ **Pump Lubrication**
Bearings greased; oil levels topped in gearboxes.
- ☐ **Alignment Check**
Motor and pump shafts aligned using a straightedge.
- ☐ **Electrical Check**
Terminals tightened; no signs of rodent nesting.
- ☐ **Solenoid Inspection**
No buzzing; no water pooling in valve boxes.
- ☐ **Amp Draw Test**
Amps at motor: _____ (compare to nameplate rating)
- ☐ **Filter Inspection**
Sand media or disc stacks deep-cleaned manually.

Post-Season Checklist

- ☐ **Deep Filter Clean**
Disc stacks soaked in acid or chlorine solution; sand media inspected for channeling.
- ☐ **Winterization and Drain**
All low-point drains opened; lines blown out if in frost zone.
- ☐ **Rodent Proofing**
Control boxes sealed with steel wool; manifold entry points plugged.

Hardware and Contact Reference

Component	Model / Part #	Vendor / Source	Date Last Replaced
Main Pump			
Master Valve			
Filter Media			
Solenoid Valves			
Injectors			
Pressure Gauges			
Flow Meters			

In-Season Checklist

- ☐ **Walk-the-Line Audit (Weekly)**
Look for geysers, soggy spots, or dry clogged patches.
- ☐ **Flow Meter Reading (Weekly)**
GPM this week: _____ Baseline GPM: _____
- ☐ **Filter Delta-P Check (Weekly)**
Inlet PSI: _____ Outlet PSI: _____ Clean if difference exceeds 7 PSI.
- ☐ **Solenoid Inspection (Monthly)**
Listen for buzzing; check for water pooling in valve boxes.
- ☐ **Amp Draw Test (Monthly)**
Amps at motor: _____ (compare to nameplate rating)

Weekly Performance Log

Record weekly readings for each zone. Compare to your baseline GPM and PSI from season start. Higher flow than baseline = leak. Lower flow = blockage. Filter differential > 7 PSI = clean filter.

Date	Zone / Field	GPM	Op. PSI	Filter In PSI	Filter Out PSI	Notes / Repairs

GET IN TOUCH WITH US

We're here to help with any questions about your irrigation system components.

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