Facility-Wide Pathogen Monitoring Over Time

The problem

Most pathogen reviews happen one room or one batch at a time. That's useful for spot decisions, but it hides the bigger picture: how is the facility as a whole trending? Is HLVd creeping up quarter over quarter? Did fusarium spike after a new feed schedule went in? Did the Aspergillus problem actually go away after the new cleaning SOP, or did it just move?
Without a facility-level view, growers can't tell whether the operation is getting cleaner or dirtier over time. They also can't prove that an SOP change worked, which makes it hard to justify the cost of the change or to defend it when staff push back.

The workflow

Facility-wide monitoring uses the location tag to roll up every test result for a single site into one trend line per pathogen. The dashboard tracker handles the heavy lifting — change the date range and the graph updates.

1. When submitting each test, the test submitter enters the location of the sample's facility. You can add as many locations as you want, there is always room to expand
2. Open the dashboard tracker and filter to the target facility.
3. Set the date range — last 30 days, last quarter, year over year, or all-time — depending on what you want to see.
4. Review the trend per pathogen. Look for spikes, dips, and plateaus.
5. Line the trend up against your operational history. Keep a simple log of when you changed SOPs, swapped genetics, hired new staff, or adjusted HVAC, and compare those dates against the chart to see what actually moved the needle. Pulling a longer range—the same months across different years—usually exposes seasonality the week-to-week view hides.

Multi-site operators, this is your highest-value view. If you run more than one facility, filter each site separately and compare them head-to-head. The cleanest site's SOPs, staffing, and routing become a playbook you can copy to the others—and the dashboard tells you whether the copy actually worked.

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Pathogens this applies to

All pathogens tracked in the customer portal. HLVd, fusarium, pythium, aspergillus, viral diseases — anything in your testing panel. The dashboard supports the same date-range analysis for every one of them.

Pathogen	What its trend line tends to reveal
HLVd	A slow creep over months rather than sudden spikes. Nearly invisible week to week, obvious over a quarter—the classic case for a long date range.
Fusarium	Step-changes tied to operational events—a new feed schedule, a water source change, a room brought back online. Line up the jumps against your log.
Pythium	Rises during propagation-heavy periods and with irrigation or runoff changes. Watch it against your veg and clone cycles.
Aspergillus	Sharp, often seasonal spikes tied to humidity and HVAC strain. Recurring peaks in the same months are your cue to schedule preventatives ahead of the spike.

What it gets you

- **Proof that SOPs work.** Compare the facility's positivity rate before and after a change. If the line drops, the SOP earned its place. If it doesn't, you have evidence to revisit it.
- **Seasonality awareness.** Many pathogens follow predictable annual cycles tied to humidity, outdoor pressure, or HVAC strain. Knowing your facility's curve means inspections and preventatives can be scheduled ahead of the spike.
- **Early warning for drift.** A slow upward trend over six months is invisible week to week but obvious on a date-range chart. Catching drift early is cheaper than fighting an outbreak.
- **Multi-site benchmarking.** Operators with more than one facility can compare sites head-to-head and copy the playbook from the cleanest one.
- **Board and investor reporting.** A trend line of pathogen positivity over time is a credible operational KPI — the kind of metric leadership and investors actually want to see.

What you need

- Location field entered on every test submission.
- Consistent testing cadence across the facility. Sporadic sampling makes spikes harder to interpret.
- A record of major operational changes—SOP updates, staffing shifts, equipment changes, new genetics—to overlay against the curve.

Where to start

Not ready to analyze the whole facility? Pull one pathogen over the last quarter and just look at the shape of the line. That alone usually tells you whether you're trending cleaner or dirtier—and it's the fastest way to see whether your last SOP change actually did anything.

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