

PRACTICAL APPLICATIONS

IF NOTHING ELSE, DUMP YOUR SUMP!

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Kelly Griggs, Jeremiah Davis, Jess Campbell, Carson Edge and Martha Sabine Rueda Lastres

When the weather gets warm, do you have a process of getting the evaporative pads up and running? Or is your process just flipping the switch to On? Before running the evaporative system during a flock, the sump needs to be cleaned out. Debris, dirt, minerals, insects and even more gets caught in the evaporative system, and much of that solid matter ends up getting caught in the sump. The debris would also cycle back around to your pads, causing clogging/restrictions in airflow. Significant dirt and debris will displace water-holding capacity inside the sump and trough and could create an environment that would grow grass, even more so if the grass is cut towards the evaporative pads.

Preclean prior to adding cleaning chemicals. If you put cleaner in your evaporative system before startup and you have not cleaned the sump, the dirt and debris will consume all the cleaner, and the pads will not see the effects of the cleaner. Do not expect good results from your cleaning agent if you skip the precleaning process.

How often should you flush the cooling system? Some of the problems with evaporative systems are due to water quality issues like the calcium covered pads above and not routinely draining the system. Throughout the summer, it is a good idea to drain the system at the end



Pictures 1 and 2 – Magnified views of calcium buildup on evaporative pads. Calcium covered pads make an even rougher surface for debris to get caught on and clog pad flutes.

of each flock. If you have poor water quality, dumping the system more often would be beneficial to prevent mineral buildup and high pH that eventually damage the pads beyond repair.

Our Poultry Farming Toolkit smartphone app has an evaporative cooling system cleaning checklist that will guide you through the cleaning process if you need step-by-step assistance.

Auburn NPTC Team:

Jeremiah Davis
j.davis@auburn.edu
(334) 734-2644

Jess Campbell
campbjr@auburn.edu
(334) 332-6830

Kelly Griggs
griggs@auburn.edu
(251) 525-0075