

# “COOL CELL PAD MAINTENANCE”

## GROWER LUNCH BREAK NOTES JULY 7, 2021

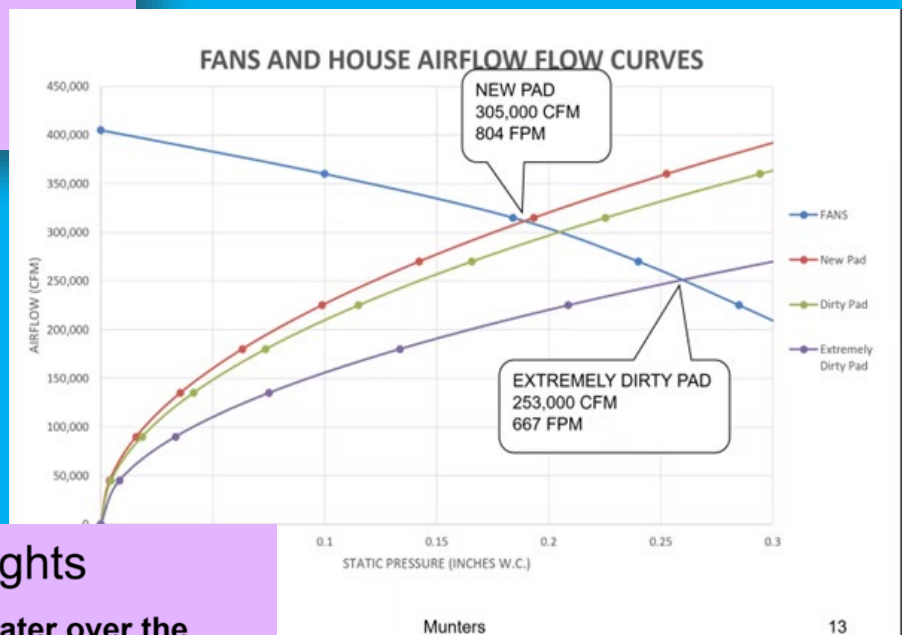
### The Importance of Pad Maintenance

- How pads typically fail
- How obstructed pads (dirty, scaling, or debris) effect house pressure, and fan performance
- How obstructed pads, (dirty, scaling, or debris) effect house temperatures and tunnel velocity
- Resulting impact on Bird comfort and performance.
- Pad maintenance best practices

Jon Moyle, UMD Extension Poultry Specialist, introduced our speaker, **Isaac Singletary of Munters Corporation**, who covered a lot on the topic, Cool Cell Pad Maintenance. This slide touched on the issues he would cover.

Isaac touched on fan and pad performance together and the need for cleanliness of both for optimal performance.

Below he spoke about the amount of water to run to prevent growth of algae on your pads.



### Pad Maintenance Highlights

- **Run the recommended amount of water over the Pads.** - For 6” thick pad you should use  $\frac{3}{4}$  GPM. per lineal foot of pad. Example; 100’ pad system = 75 gpm. (requires pump/pumps capable of delivering 75 gpm. at approx. 20’ of head pressure)
- **Algae – Requires 3 components (Water, Food, Sunlight) Prevention includes:**
  - Dry pads once a day to kill the Algae– time clock to shut pads off 10 PM to 9 AM
  - Shade pad if possible
  - Chemical control w/ Quaternary Ammonia, Don’t use Chlorine or other harsh oxidizing chemicals

So much more information in all Munters Corporation slides and the presentation.

Watch the entire video with questions answered at the end at the following link:

<https://umd.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=5cfd8f1a-a0c7-494e-b113-ad5e011fc0ae>

**Thank you Isaac Singletary! Great presentation!**

# COMING EVENTS!



**Poultry Mortality Composting Short Course and Demonstration** – Wednesday, **July 13, 2021, 9:00am - 3:00pm**  
Virtual School – Free – Register at [tscites@umd.edu](mailto:tscites@umd.edu) or (301) 405-1198. Instructors: Drs. Gary Felton and Jon Moyle.

**Grower Lunch Break with Extension** the first Wednesday starting back **September, October (Taxes), November (Solar Green Energy)** and continuing each month!

Register at: <https://umd.zoom.us/meeting/register/tJ0kfuyhgjzpGNzp8wIhemiV6PeHRsJpxntO>



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