



Poultry Farming

Hard water scale presents problems for poultry farmers in their climate control equipment and their self watering systems.

As the following case study demonstrates the installation of a catalytic Fluid Dynamics Scaletron has many benefits including:

- Totally Green Scale Prevention
- No Maintenance, Fit and Forget
- Chemical, Salt and Power Free
- Improved System Efficiencies reduce Energy Consumption and Costs















Hunter Farms Case Study

Objective:

To eliminate hard water scale in Hunter Farms water systems

Problems:

Hard water scale build up is causing equipment failure. The humidifier coils need constant cleaning and replacing. The drippers need constant cleaning and replacement. Any solution has to be chemical free and environmentally safe.

Solution:

A ¾" Scaletron was installed in the water main before the chicken house.





Installation of the Scaletron

This is the Scaletron installation in the Hunter Farm egg house. As simple as it gets.













The Humidifier Unit at Hunter Farms

This humidifier is located in the Egg Room











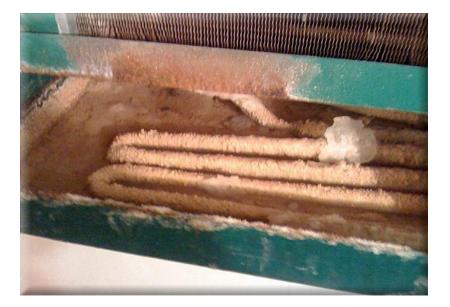




Humidifier Coil Condition

This is what the coils looked like before the installation of the Scaletron. The scale formation shown on the coil accumulated after just 60 days of operation.

The scale insulates causing the humidifier unit to work harder increasing energy use and bills .













A burnt out coil due to scale build up

Scale forms on the coils and coats it with hard as rock calcium carbonate.

The heat transfer is reduced by up to 40% with just ¼" scale build up. Coils will frequently burn out as the heat can not escape from the coil.





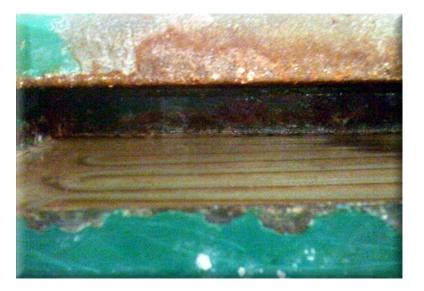




Scale-free coils in operation

After 90 days of operation with the Scaletron installed the coils are scale free.

This is the first time Hunter Farms has not had to remove and clean or replace the coils after operation.













Another image of the Humidifier Coils

A closer image of the coils in operation under water. The coils do not have to be removed or cleaned. Chemicals, electricity and maintenance are not required.

Simply install the Scaletron to the water supply and remain scale free.















Other Benefits

These are drippers used to supply drinking water to the chickens. As scale builds they become inoperable. The dripper on the left was used in untreated water. The dripper on the right was switched to treated water. The existing scale has been eliminated and remains scale free after 90 days of operation.

















Commercial Scale Prevention

The benefits of installing the Scaletron unit include:

- The chemical free Scaletron provides the chickens with a safer water source
- The farm has a **Totally Green Solution** for hard water scale.
- The savings cover the small cost many times over.







Scaletron Benefits for your Farm

- Does not use chemicals, electricity or magnets
- Does not waste any water
- Totally Green Solution
- Saves energy by keeping equipment scale free
- Extends life of equipment
- Saves labor due to large reduction in maintenance
- Calcium remains in water which helps the chickens and eggs
- Minimizes disruption in core business due to shut downs from equipment failure and maintenance
- Low cost to treat water for many years













The Best Solution

- When you couple all the benefits a Scaletron provides with its swift return on investment it makes financial and practical sense to install a Scaletron
- With a one year satisfaction guarantee and a three year warranty you have nothing to lose and plenty to gain





A Recommendation from a Fellow Farmer



February 01, 2012

Dear Mr. James,

Hunter Farms David and Margie Hunter 1067 Will Thompson Rd Sparta, TN 38583

As I wrote you before our farm has been in David's family for 3 generations. It is located on the Upper Cumberland Plateau in Tennessee. Our farm is diversified and we produce grain, beef cattle, hay, blueberries and poultry. The poultry barn is contracted with Heritage Farms, a subsidiary of Perdue Chicken.

We have 2 layer houses that house approximately 7,500 chickens at capacity. The eggs from our barn are fertile and go to a hatchery in Rome, Georgia.

The water supply for the poultry barn is from a well with very high (480) calcium content, thus contributing to large amounts of scaling in the self-watering system, the cool cells and the humidifier in the egg room.

(continued)











A Recommendation from a Fellow Farmer (cont.)

We installed your Scaletron about two years ago and are still having great success with it. The unit has greatly reduced our maintenance in our water system in the barns. The nipples are still clean and scale free. The humidifier is still performing well. When it is time to clean out the water tank all we have to due is take a putty knife and simply dip out the residue. There is no more putting acid or chiseling out the scale buildup. And we have not had to replace the first heating element since we install the Scaletron.

As far as our cool cells they are still scale free. The units are performing without any maintenance due to scaling.

Thank you for introducing this product to us.

Sincerely,

David and Margie Hunter (Food Safety Expert)







