Evaporative Cooling Quick Guide

Air Speed First

Air movement is vital to removing heat from above, below, and between birds.

Bird Density

An over-crowded house decreases the amount of heat lost to air movement.

80-80 Rule

At 80°F, humidity is roughly 80%. When temperatures are above 80°F outside, evaporative cooling can safely be used to remove heat from inside the barn.

Relative Humidity

For every 2.5% Rise in relative humidity, 1°F is removed from the air. For every gallon of water evaporated into the air, 8700 BTU's of heat are removed.

Pad Cooling

Check that water is distributed evenly. Dry areas on the pad results in hot air entering the barn.

Fog Cooling

Air currents created by the fans move the water droplets along the house to remove heat from the air.

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