



AeroFarms Annual Report for NCERA-101 2017

AeroFarms is the commercial leader in indoor farming. We grow without sun or soil in a fully-controlled indoor environment. We have optimized our patented aeroponic growing system for faster harvest cycles, predictable results, superior food safety and less environmental impact. Below is a diagram of the technology.



A significant development has been technology that allows our plant scientists to monitor more than 130,000 data points every harvest. With over 20 harvests per year, learning is rapid and revision is on target. The plant scientists are constantly reviewing, testing and improving our growing system using predictive analytics to create a superior and consistent result. With remote monitoring and controls in place, we have minimized the typical risks associated with traditional agriculture.

We have a patented, reusable cloth medium for seeding, germinating, growing, and harvesting. Our growing cloth medium is made out of BPA-free, post-consumer recycled plastic, each taking 350 (16.9 oz.) water bottles out of the waste stream. This is but one example of how we are progressing in sustainability. The cloth can be fully sanitized after harvest and reseeded with no risk of contamination. Acting as a barrier between the mist and the plants, the cloth allows us to harvest a clean, dry and ready to eat product.

Our facility at on Rome St. in Newark, NJ is producing and selling crops locally. The reception in the stores has been overwhelming. The scaling of our technology is represented by grow towers that are twelve levels high making us 130 times more productive than outdoor agriculture. More facilities are in the works.

AeroFarms is grateful to the NCERA-101 meetings for sharing valuable insights into current research and providing a gathering where valuable discussions happen on timely topics.