

# Scientific and Gov. Ion Research

## Negative Ions reduce and/or destroy bacteria, viruses and other microbes

### ***U.S. Dept. of Agriculture***

A recent study by the U.S. Dept. of Agriculture found that ionizing a room led to 52% less dust in the air, and **95% less bacteria in the air** (many pollutants reside on floating dust particles).

### ***Agriculture Research Service***

The Agriculture Research Service of the U.S. Dept. of Agriculture tested the effectiveness of ionizers for removing dust in a poultry hatchery. The dust level is very high in such an environment. In this study, **the use of an ionizer resulted in dust removal efficiencies that averaged between 81.1% and 92.2%**. The airborne transmission of salmonella (to the eggs) was also significantly reduced as a result.

**"In the 1960s one U.S. Department of Agriculture scientist grew seedlings in ion-enriched air and produced cucumbers eighteen inches longer than normal."**

### ***Journal of Hygiene***

Scientists showed that **ionization reduced bacterial levels in burns and plastic surgery units by over 96% after a two week period**, which results in much better and more rapid healing of patients.

### ***Journal of Applied Microbiology***

The use of **Negative Ions was found by scientists to reduce the presence of airborne viruses by about 40%**. A study featured in a 1987 issue showed that Negative Ions are free from any adverse side effects.