



## Agriculture

Due to the ever-rising costs of treating potable water, greater focus is being placed on the ability to improve agricultural water management. A key to greater efficiency is the increased reuse potential of processing water. The water that contacts foods must be free of microorganisms which are present everywhere food is present, from the fields in which the crops are planted and raised to packaging and food storage. Controlling microorganisms at every stage of the process is critically important for improving yield and market quality.

Ozone can offer a safer, less costly, and more effective water treatment solution than traditional chemical options. Ozone is the strongest oxidant and disinfectant available commercially. Ozonating water makes it free of viruses, bacteria, fungi, and any other microorganisms. Ozone, consisting only of oxygen atoms, is particularly suited to the agriculture industry because once ozone disinfects and destroys microorganisms, it decomposes back to oxygen, leaving no harmful residual material behind.

Ozone has a long and proven history of treating water and wastewater, and thus has many potential applications in agriculture and food processing facilities. Ozonating water provides numerous benefits, from washing vegetables and extending shelf life to protecting against diseases and promoting better crop growth. By using water to carry the ozone, oxidation and disinfection can be achieved during a single step of ozonation reducing the time required to spray wash processing and storage equipment.

### Advantages

- Ozone is the strongest, most effective germicidal agent commercially available.
- Ozone-treated irrigation water protects against diseases.
- Ozonated irrigation water provides a better product in terms of volume, weight, size, strength, nutritious value and taste.
- Ozone destroys organic waste by oxidizing it.
- The site saves water by improving efficiency.
- Increase the reuse potential of processing water.
- OWS's complete, turn-key systems allow easy ozone integration into your existing processes.

### OWS OFFERS:

- Service
- Rental Equipment
- Monitor Calibrations
- Optional UL Certification
- Parts Support
- Sales
- Pilot Systems
- Refurbished Equipment
- In-house Repairs
- Custom System Design
- Years of Experience

### OZONE FACT:

Eco-friendly ozone leaves behind no harmful residues or toxins as it decomposes back to oxygen molecules.

### TYPICAL OZONE SKID

