Various chemicals were being used in Agriculture until quite recently. But the fact that residues are left within the soil, water and the plant itself after usage of such chemicals; the fact that the balance of the soil and the water, also the balance of the plant are damaged have constituted a significant reason for wide-spread usage of Ozone System.

(World Health Organization) FDA and (United States, Chamber of Agriculture) USDA Certificates issued in year 2000 for Ozonation Applications both in Ventilation and Irrigation Applications are significant international certificates in Agricultural Sector in terms of their reliabilities.

Nowadays, Ozone is one of the most effective disinfectants among others. Moreover, the fact that it does not leave any chemical residuals after being applied, and also the fact that it increases the amount of Oxygen both in soil and in water provides the suitable circumstances for healthy soil and healthy growth of plants.

**Usage of Ozone in Soilless Agriculture**

The moist air, which is present at great amounts within greenhouses provide a suitable environment for bacteria and similar living organisms. The quality of the water which is used in soilless agriculture is very important for providing a living atmosphere for the plant and the product. Once the irrigation water is filtered, Ozonation system is installed; and consequently it becomes possible for providing constant disinfection of water. The system works fully automatically, and the application is completed together with appropriate mixing methods in gas/liquid forms. All the User has to do to complete disinfection process is to set process value.

**Ozone Usage in Fogging Line**

Within Fogging lines that are used in Greenhouses for the purpose of making the air moist, ozone is applied by means of appropriate mixing methods in liquid/gas forms. Constant Environmental and Line disinfection at user-set values is full-automatically provided on the water running into the system.

**Ozone Usage in Seed Production**

The seeds must not involve any kind of harmful organisms during seed production process. This is one of the most important factors while producing healthy and productive products. The application is realized in a fully automatic way during disinfection process of the water in both liquid/gas forms that is used during seed production, during packaging processes, during environmental disinfection in gas form; and as a result of this the disinfection is provided to be constant.

**Ozone Usage in Seedling Production**

The microbial loads that might occur within the environment where the seedlings are grown effects the production of seedlings and the resulting productivity. A very good and constant disinfection is provided by the use of ozone-containing water by means of a fully automatic system in dripping application and springing application systems in Seedling Production. Ozone, is again, used while disinfecting the viols where the seedlings are placed in.

**Ozone Usage in Greenhouse Floriculture**

Usage of Ozone in Floriculture is quite wide-spread. Temperature, moist, diseases and formation of ethylene within the stores affect the flowers in a bad way. Usage of Ozone is the most ideal method for lengthening the lifetimes of the already-cut flowers in the stores. Apart from lengthening the lifetimes of the flowers, it also terminates the microorganisms living in the environment; and consequently it makes it impossible for the diseases to spread within the environment.

The process id applied in gas form by means of fully automatic systems.

**Ozone Usage in Sodding Rooms**

Disinfection processes are provided to be constant by releasing Ozone in the form of gas into the air within sodding rooms against pesticides which can arise from atmosphere within the room during the sodding stage of the plants; or by releasing Ozone into the greenhouse in the form of liquid/gas when its empty.

**Usage of Ozone in Mushroom Cultivation**

Due to the fact that the Mushrooms are also members of Fungus plant family, they are very sensitive against chemicals that are used for fighting diseases. Ozone is allowed for being used securely in food applications in the liquid/gas forms. It is trustfully used while cleaning the cultivation rooms and the products. Ozone is much easier and reliable when compared with chemicals. Ozone in highly concentrated liquid/gas forms is used as an effective disinfectant in mushroom cultivation rooms before being filled. At the same time, it terminates the microorganisms and disease-causing spores that are floating in the air while disinfecting empty stores by means of gas formed Ozone. When the mission is completed, then ozone transforms back into oxygen and supports the product.