



## Introduction of Seeding Agents

Water resources are increasingly taxed by exploding demand and continued population growth. The world's population is projected to grow over 40% in the next 45 years.

Weather modification, commonly known as **cloud seeding**, is the application of scientific technology that can enhance a cloud's ability to produce precipitation. Weather Modification, Inc., is on the forefront of scientific technology to maximize water availability worldwide. Application of scientific concepts and extensive scientific experimentation has proven that cloud seeding increases the amount of precipitation.

### Cloud seeding useful in the following applications:



**Increasing Precipitation**



**Mitigating Hail Damage**

Cloud seeding can be used as a tool to help mitigate hail damage and protect crop yields, homes and other property, thus reducing the economic harm from disastrous storm damage. Since hail is itself ice that is produced only by vigorous convective clouds, it is certain that such clouds are cold enough to be amenable to glaciogenic seeding techniques. Hail develops when excess supercooled **liquid water** develops within strong updrafts. However, if the excess might be induced to freeze into large numbers of small particles rather than much smaller numbers of large particles, the ice that does precipitate may melt during its transit through the warm sub-cloud layer, or if it doesn't it will reach the surface as much smaller, less-damaging, ice.



**Dispersing Fog**

### Enlist our team of cloud seeding experts.

Whether you are looking for a small operation or a full program, Weather Modification, Inc. can ensure your cloud seeding project runs smoothly. From Federal Aviation Administration (FAA) approved aircraft installations, configured for aerial cloud seeding and **cloud physics**, to ground-based seeding equipment and training, Weather Modification, Inc., has the equipment, experience and knowledge you need.



### Types of Cloud Seeding:

**Aerial Cloud Seeding**

**Ground-Based Cloud Seeding**