



Learn More

To learn more about the work of Weather Modification, Inc., please take a look at some of the questions we typically answer from curious or concerned individuals.

General

What is weather modification?

What are the common applications of cloud seeding?

What is the difference between warm and cold cloud seeding?

How can the effectiveness of cloud seeding operations be determined?

Does cloud seeding "steal" precipitation from neighboring areas?

What are the environmental consequences of weather modification?

Environmental impact from cloud seeding operations can be broken into two categories:

- The effects of the chemical seeding agents used for the programs
- The impacts of precipitation changes

Environmental Impact from Cloud Seeding Agents

The active ingredient in cold cloud seeding agents is **silver iodide**, or AgI. Unlike ionic silver, the silver iodide compound is very stable, essentially inert. Numerous studies have been conducted that clearly demonstrate its safety. Even projects operated for decades have experienced no adverse environmental impacts because of silver iodide. Additional information about the safety of silver iodide, is found in many studies and reports. The active ingredient in warm cloud seeding is simple salt, either sodium chloride (NaCl, table salt), or calcium chloride (CaCl). Both are found abundantly in the environment; sea spray releases millions of tons of NaCl into the atmosphere annually.

Environmental Impact of Precipitation Changes

The effects of cloud seeding on precipitation are typically on the order of 10%, while seasonal natural variability may be as much as a factor of two. When viewed in this context, the seasonal effects resulting from increased precipitation are negligible.

Are cloud seeding activities subject to regulation or control?

How quickly can Weather Modification, Inc. , launch a project?

Why should I choose Weather Modification, Inc. , over other companies?

Do I need to have my own aircraft, or does Weather Modification, Inc. , supply them?

What does a cloud seeding project cost?

If I am interested in starting a weather modification project, where do I begin?

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