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Biological Sciences Biology

**The Effects of Designated Pollutants on Plants**

Authors: [A. L. Granett](#); [O. C. Taylor](#); [CALIFORNIA UNIV IRVINE](#)

**Abstract:** The phytotoxicity of hydrogen chloride (HC1) gas and **aluminum oxide** (Al2O3) particulates was studied in special plant exposure chambers. These pollutants were generated separately by diluting bottled gas or commercial alumina dust. In addition, generation was affected by open-burning of small pieces of solid rocket fuel. The characteristics of these burn products were investigated. Rocket fuel gases produced phytotoxic responses similar to that seen on plants exposed to commercial HCl gas.

**Limitations:** APPROVED FOR PUBLIC RELEASE  
**Description:** Annual rept. no. 3, 1 Jul 1977-30 Jun 1978  
**Pages:** 74  
**Report Date:** NOV 1978  
**Contract Number:** F3361576C5005  
**Report Number:** A365560

**Keywords relating to this report:**

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