Record Nr. UNINA9910460273803321 **Titolo** Guidelines for operational hail suppression programs: hail suppression programs / / American Society of Civil Engineers Pubbl/distr/stampa Reston, Virginia:,: American Society of Civil Engineers,, 2015 ©2015 **ISBN** 0-7844-7914-3 Descrizione fisica 1 online resource (62 p.) Collana **ASCE Standard** Disciplina 551.68/787 Soggetti Hail control Weather control Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. ""Cover""; ""CONTENTS""; ""ASCE STANDARDS""; Nota di contenuto ""ACKNOWLEDGMENTS""; ""1 SCOPE""; ""1.1 Applicable Documents""; ""2 THE HAIL PROBLEM"": ""2.1 Historical Perspective"": ""2.2 The Status of Hail Suppression Technology""; ""2.2.1 American Society of Civil Engineers"; ""2.2.2 Weather Modification Association""; ""2.2.3 American Meteorological Society""; ""2.2.4 The National Research Council and Weather Modification Association Viewpoints"; ""3 HAIL CONCEPTS""; ""3.1 Requirements for Hail Development""; ""3.2 The Scientific Basis for Hail Suppression""; ""3.2.1 Beneficial Competition"" ""3.2.2 Early Rainout""""3.2.3 Trajectory Lowering""; ""3.2.4 Promotion of Coalescence""; ""3.2.5 Dynamic Effects""; ""3.2.6 Other Concepts""; ""3.3 Concept Visualization""; ""3.4 Cloud Modeling""; ""4 THE DESIGN OF HAIL SUPPRESSION OPERATIONS""; ""4.1 Definition of Project Scope""; ""4.1.1 Historical Hail Losses""; ""4.1.2 Historical Radar Data""; ""4.1.3 Basic Project Area Concepts""; ""4.1.4 Initial Design Considerations""; ""4.1.5 Climatology""; ""4.2 Seeding Agent Selection""; ""4.2.1 Silver lodide""; ""4.2.2 Dry Ice""; ""4.2.3 Other Ice Nucleants""; ""4.2.4 Hygroscopic Agents"" ""4.2.5 Quality Control"""4.3 Delivery Methods""; ""4.3.1 Airborne Application"": ""4.3.2 Ground-Based Ice Nucleus Generator Networks"";

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