

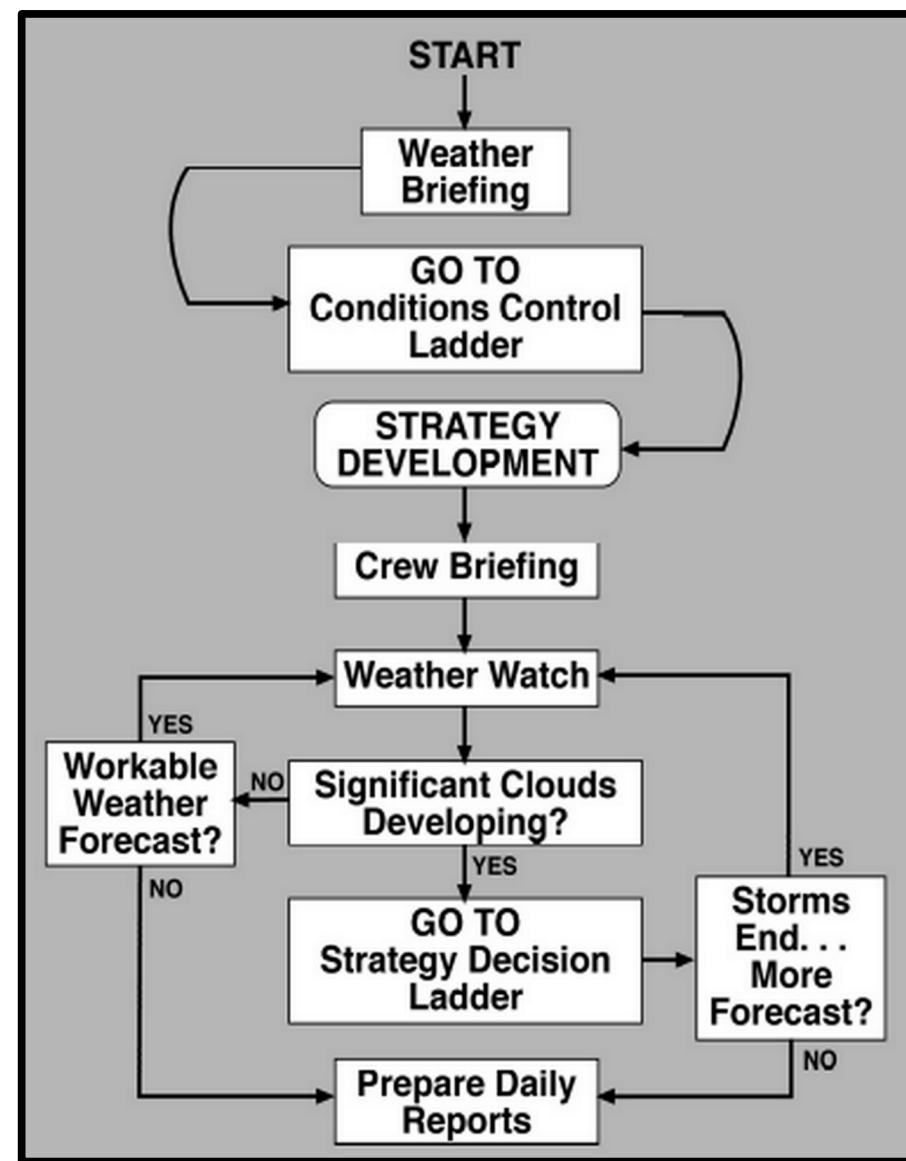
Daily Weather Modification Operations



Daily Operations Decision Ladder



The Bowman on August 15th, 2021 with Seed 2 (N13AG, Seneca II) and Seed 1 (N37356, Cessna 340A). Photo taken by Captain Alex Bestul.

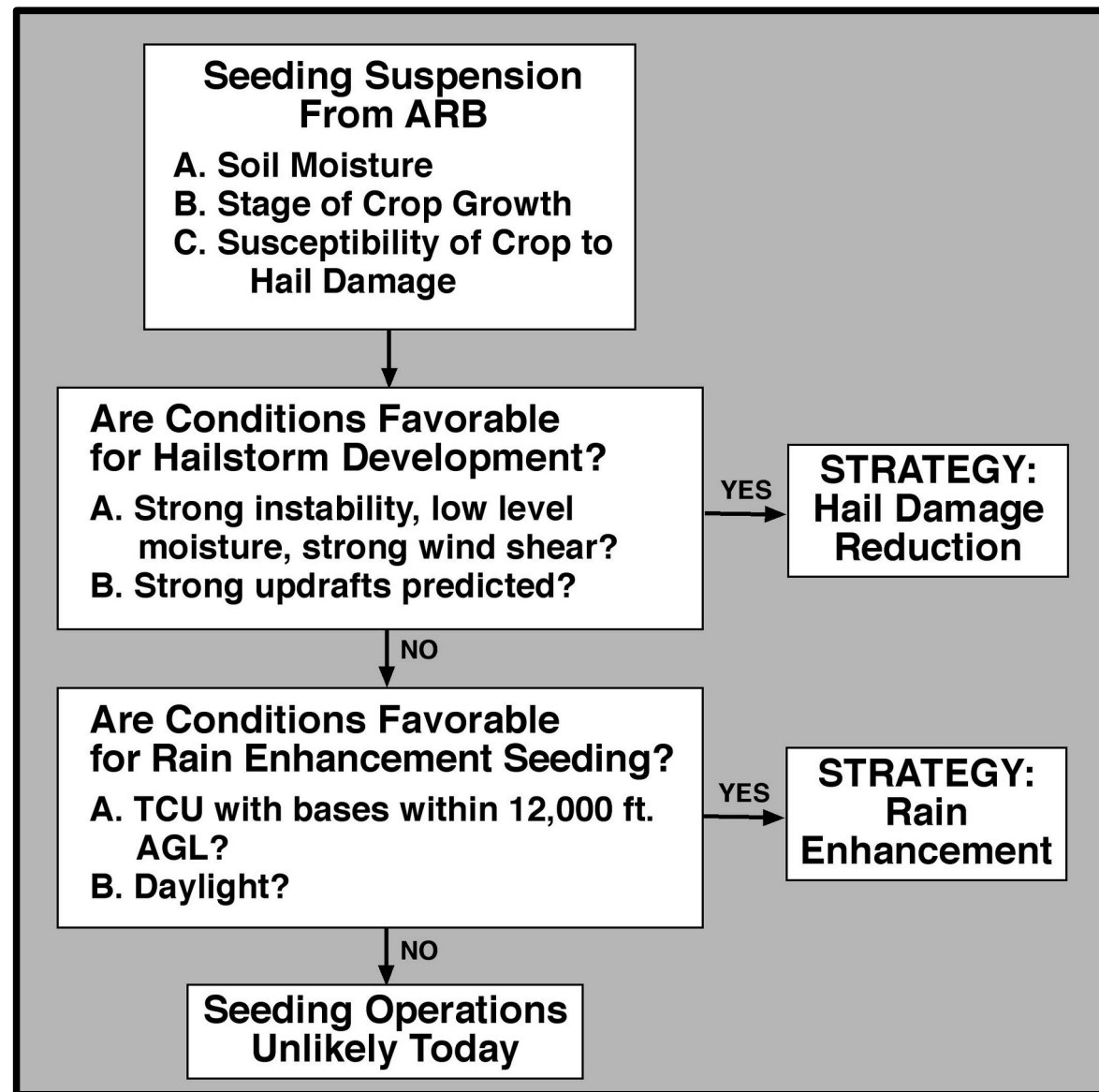


Daily Weather Briefing



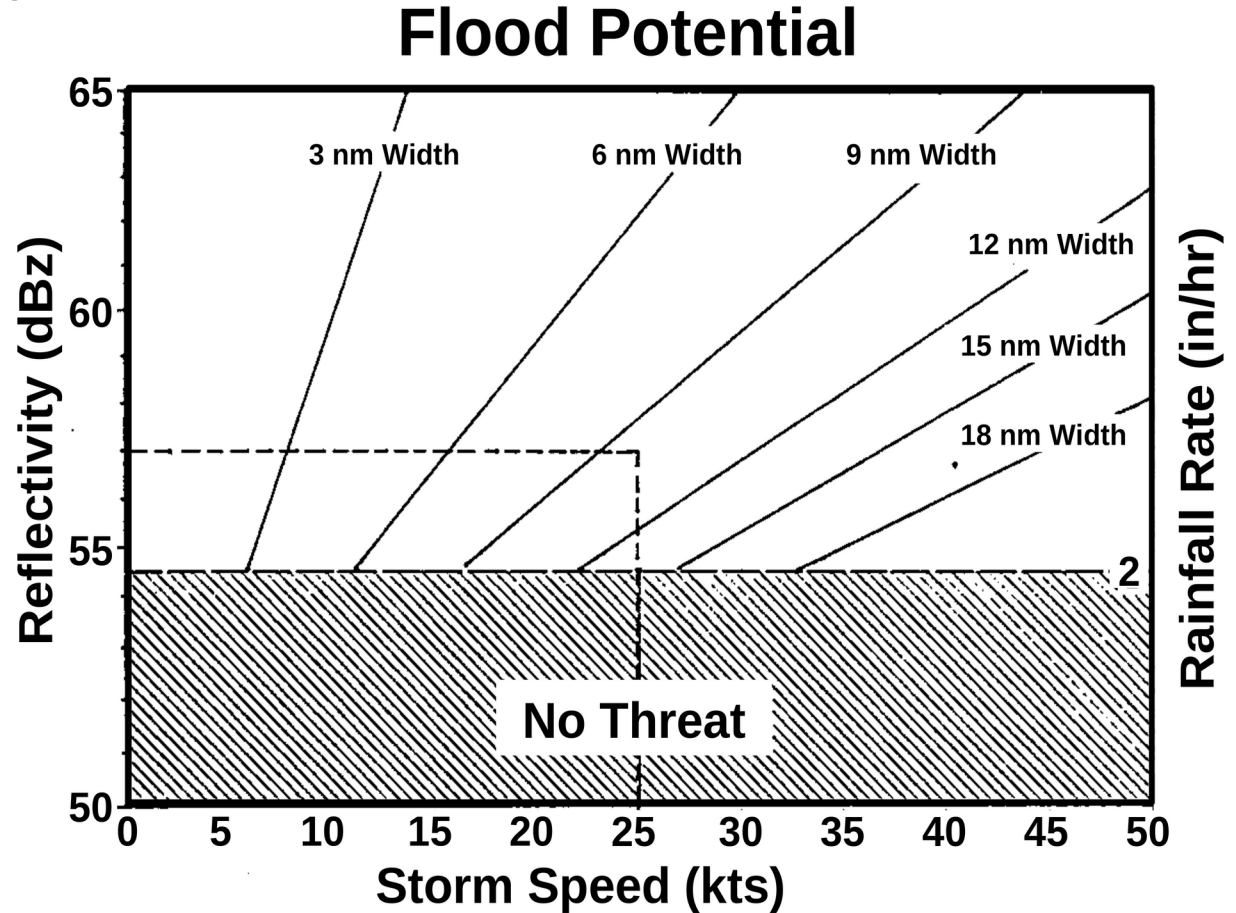
Meteorologists in Bowman office for 2021 daily weather brief. Pictured left to right – Joseph Parton (Radar Meteorologist) Alexis Staniec (Intern Meteorologist). Photos by Captains Alex Bestul and Alex Sailsbury.

Conditions Control Ladder



Seeding Suspension Criteria

- Tornado/Funnel Cloud
- Flood Potential
- County Authority



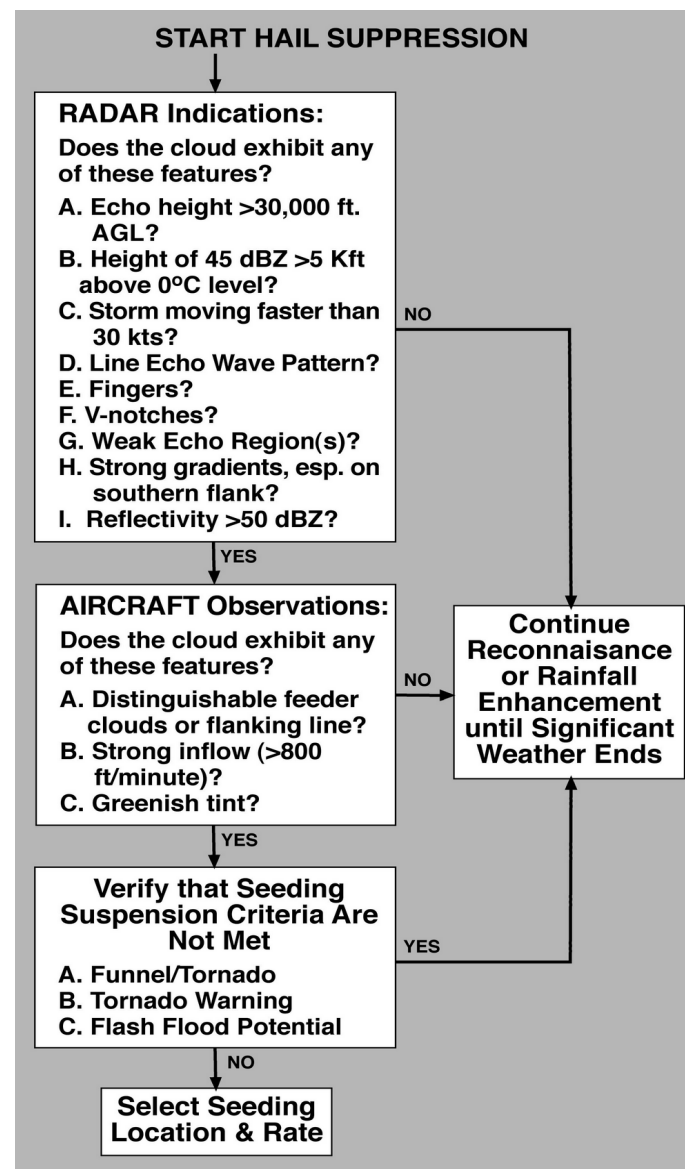
Strategy Development

- Hail Damage Reduction
- Rain Enhancement
- Crew Briefing
- Weather Watch
- Significant Cloud Development



Oil check on King Air C90 pre-flight by Jake Floyd, 2021 Pilot Intern. Photo taken by Captain Alex Sailsbury.

Hail Suppression Decision Ladder

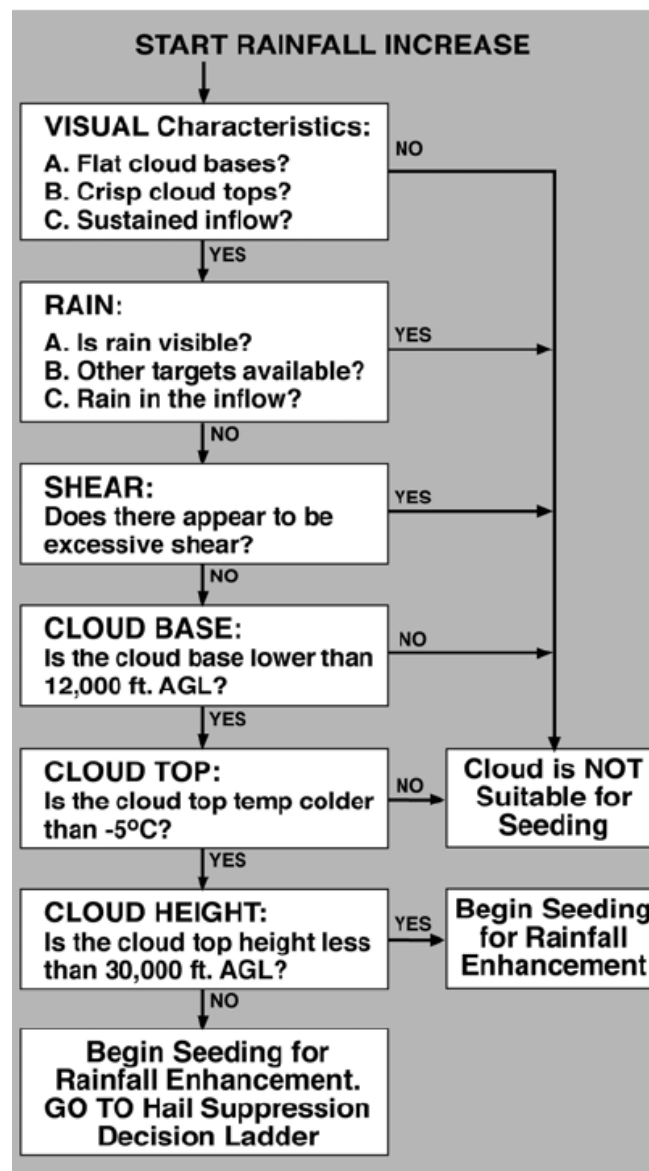


Bowman radar site in front of supercell on July 2, 2022. Photo taken by meteorologist Lynnlee Rosolino.



Sioux Falls sky with ominous green before severe weather (Credit KSFY via CNN).

Rain Enhancement Decision Ladder



Seed 5 captures a forming rain shaft underneath a growing thunderstorm. Photo taken by Captain Jacob Berg.