

CORRESPONDENCE

Comment on "An Assessment of NHRE Hail Suppression Seeding Technology Based on Silver Analysis"

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2 February 1978

I have respectfully reviewed the noted paper and wish to compliment the authors (Linkletter and Warburton, 1977) on an important piece of field and laboratory work. The results present further evidence which supports the view that the location choices for placement of seeding materials on the NHRE program were less than optimum if one expected to obtain maximum reduction of hailfall under our current technology.

On the basis of operational seeding of potential hailstorms which have rather similar physical characteristics over North Dakota, South Dakota; Texas, Utah and Colorado, one would predict that placement of seeding material at cloud base in the locations chosen for NHRE would simply allow the material to be carried aloft through the frontal area of the

cumulus developments and ultimately move out of the system through the anvil without moving through that volume of cloud where hail embryos are born and grow. The fact that Linkletter and Warburton did not find a significant silver content in the precipitation tends to support this observation. Because hail develops within very specific locations within the total cloud volume, further support for this observation could develop from a separate silver analyses of rainwater and hailstones.

REFERENCE

- Linkletter, G. O., and J. A. Warburton, 1977: An assessment of NHRE hail suppression seeding technology based on silver analysis. *J. Appl. Meteor.*, **16**, 1332-1348.