SNOW FENCE:
Technology and Control of Drifting Snow

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U.S. Annual Snowfall
Estimated from Observed and Modeled Data

Map generated July 2013 by Meridian Environmental Technology under funding of Clear Roads Project #10-02.

Data portrayed in this map were generated using daily snowfall data from the Snow Data Assimilation System (SNODAS) for the 2004/05 through 2010/11 winter seasons, adjusted to fit climatological snowfall data from the National Weather Service 1971-2000 Climate Normals at available observing stations across the United States. More information as to the specific process used to develop this map is available from Clear Roads.
U.S. Annual Hours of Blowing Snow
Estimated from Modeled Data

Map generated July 2013 by Meridian Environmental Technology
under funding of Clear Roads Project #10-02.

Data portrayed in this map were generated using data from the North
American Model (NAM) over the course of the 2009/10 through 2010/11
winter seasons, and 1-km landcover data from the University of Maryland.
The NAM data were used to track “blowable snowpack”, which was
subsequently evaluated against wind speed and surface roughness. No
reliable, national observational record of the frequency of blowing/drift
snow exists for calibration, so data should be treated only as a gross estimate
of where, and how often, blowing snow occurs. More information as to the
specific process used to develop this map is available from Clear Roads.
Before Snow Fencing: 1971
After Installing Snow Fences: 1972 - Present
Any Questions?