



**Highway Maintenance Manual**  
**Chapter 06 Winter Maintenance**  
**Section 20 Snow Removal Materials**  
**Subject 55 Spreader Attachments**

**Bureau of Highway Maintenance**  
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### ***1.0 Spreader Attachments***

Guidance on charging for spreader attachments can be found in HMM 02-25-45, Equipment Rental Rates of the maintenance manual.

### ***2.0 Spreader Usage***

When the spreader attachment is a spinner type the revolutions of the spinner should be adjusted downward such that the materials are placed onto the roadway so as to minimize any loss of material from the driving lanes (typically the middle third of the roadway). The materials should only be widely broadcast when appropriate such as intersections, ramps, curves, and other locations where a windrow is less effective.

### ***3.0 Spreader Calibration***

Spreader attachments shall be calibrated every fall prior to the winter season. Spreaders should also be recalibrated during the winter season after any maintenance activities are performed on the truck, salt spreader, or controller or when out of calibration is suspected. The units shall be capable of spreading sodium chloride within 10% of the recommended application rates of 100-400 lbs./lane mile at speeds of 15 to 35 mph. The units should also be capable of spreading sand at an application rate of 200-1000 lbs./lane mile for double lane sanding at speeds of 15 to 35 mph.