

Participant Reference Guide

***The Effect of Speed
On Bounce and Scatter
Improve Service and Save Money
by Hitting the Target***

2011 Winter Operations Conference

Presented By

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Before we consider “Target Practice”

Properly Calibrated Equipment is Essential

- Just 10% off can mean HUGE waste of materials

Excellent sources for Information

Salt Institute

www.saltinstitute.org/content/download/4343/23606

Clear Roads

www.clearroads.org

Paul Brown, Massachusetts DOT video

www.youtube.com/watch?v=kzTIOG3MxNw

Pre-wet is a Good Bet

But how wet should it be?

Traditional Pre-wet-6-10 Gallons/ton

500#/L.M. and 10 gallons/ton=A shot glass/100 square feet. Try putting a shot glass evenly across a 10 x 10 area!

So what about 60-80 Gallons/ton?

Even at 60-80 Gallons/ton, using straight salt brine and traveling 35 MPH, significant salt was still bouncing off the road. How much “Gorilla Glue” would you have to put around a ½ salt nugget to get it to stick?

Other potential uses for the M.A.G.

- Evaluate different gradations of salt/abrasives
- Evaluate abrasives-Application rates/with liquids
- Spot check salt granules for liquid coverage using pre-wet systems. You should consider using a dye in your liquids to help determine coverage.
- Observe and record outcomes during different storm events using different practices.
- Fine tune direct application of liquids using different application rates and/or application methods.
- Create a new event at your local Snow Rodeos—Target Practice with real materials!

Thanks for Keeping our Roads Safe!

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