



University of Wisconsin-Green Bay

BACKGROUND

After taking the Salt Wise training in 2019, UW-Green Bay grounds administrators committed to improving practices on campus. From education and equipment upgrades, to changing when and how they salted, an overhaul of their winter maintenance program resulted in huge salt savings. An indirect benefit was a reduction in damage and cleaning inside buildings.

OVERVIEW

Salt Savings:

Winter 2018-2019: 325 tons
Winter 2019-20: 163 tons
Winter 2020-21: 66 tons
Total Reduction: 80%

Budget Numbers:

\$30,500 in salt savings over two years
Labor needs and costs decreased

CHLORIDE REDUCTION STRATEGIES

New Methods:

- In-house training for all custodial staff and resident assistants on the environmental impacts of salt, salt use best practices, and the new policies.
- Emphasis on mechanical removal (only spot treating with salt) during the storm.
- Frequent monitoring of pavement temperature to inform salt application rates.

New Equipment:

- 1-ton pickup outfitted with ground speed control, air and pavement temp. sensors.
- New plows for front loaders enabled the more efficient movement of snow.
- A sectional plow blade that conformed to pavement crown or unevenness.
- Brooms for skid steers produced a better result in less time.

“

The Salt Wise class opened up a whole new world.

Brad Gajeski, UWGB Facilities and Planning

”

