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Advances in sugar beet storage systems in Nordic countries: A decade of research and development.

This presentation offers a comprehensive overview of the advancements in sugar beet storage systems in Nordic countries over the past decade. Focused on enhancing the efficiency and sustainability of sugar beet storage, the research evaluates both the physical and chemical properties of various sugar beet varieties from a storage perspective. Notable innovations include the development of quick tests to evaluate storability, which significantly improve the monitoring and maintenance of beet quality during storage. Additionally, the presentation covers the setup of large-scale temperature monitoring systems for clamps, which ensures a full overview of temperatures and improves decision-making to prevent spoilage and preserve beet quality. Research into the frost tolerance of beet material is also presented, emphasizing the importance of selecting the correct varieties and management techniques to withstand cold temperatures. Furthermore, the practical evolution of clamp covering techniques is discussed, with improvements designed to better protect sugar beets from adverse weather conditions and minimize losses. Looking forward, the presentation outlines future strategies and plans for optimizing storage systems, ensuring continued progress and adaptation to climate challenges. This work underscores the critical role of innovative storage practices in the sugar beet industry, contributing to sustainability and economic viability in the region.

