



# PROJECT PROFILE: LIME HAULING & SPREADING

*Agricultural lime reuse program supporting soil health and circular economy outcomes in central Alberta.*



## PROJECT DESCRIPTION

CORE was retained to develop and implement a program to haul and spread lime onto agricultural lands across central Alberta. The program included sampling spent lime, arranging haulers to move the product, and ensuring material was spread to the landowners' satisfaction.

The program focused on determining the reuse potential of the lime through systematic sampling and analysis. Lime offers significant agronomic benefits, including enhancing soil pH, improving nutrient uptake, and increasing crop resilience against pathogens such as clubroot in canola.

Through this work, CORE advanced opportunities for beneficial reuse while supporting sustainable resource recovery and circular economy objectives.



**LOCATION**  
Central Alberta

**SCHEDULE**  
Ongoing annually

**CLIENT**  
Nutrien

**CONTRACT VALUE**  
Undisclosed

**STAKEHOLDERS**  
Nutrien  
Landowners/  
Farmers

**PROJECT RELEVANCE**  
• Agricultural Amendments  
• Waste Valorization  
• Collaboration with Local Partners



## SCOPE OF WORK

CORE developed and implemented a sampling program to understand the characteristics of the spent lime dredged from the client's ponds. Once familiar with the material, provincial regulations were reviewed to determine application rates. Landowners were contacted and their fields were sampled to establish baseline conditions and suitability for lime application.

CORE managed the transportation of material from the client to the landowners' fields, maintaining detailed inventory records throughout the process. Lime was stored on-site as per landowner requests to minimize disruption to ongoing agricultural activities. After the fall harvest, CORE coordinated the application of lime using local spreaders, ensuring uniform and timely distribution.

As part of our commitment to quality, CORE conducts follow-up sampling after 1-2 years to assess the buffering effects of the lime. A comprehensive report detailing changes in soil properties is provided to both the client and landowners, ensuring full transparency and demonstrating the long-term benefits of the lime application.



## SPECIFIC SERVICES

- Characterization of spent lime material
- Valorization of waste
- Sampling of lands prior to and after application of lime material
- Safe transport of lime material
- Documentation of quantities of material moved
- Tabulation and management of data in accordance with QA/QC plan
- Coordination with spreading companies to spread material on lands
- Final reporting



## PROJECT OUTCOME

Through this comprehensive program, CORE demonstrated its expertise in beneficial reuse, agricultural support, and sustainable resource management; ensuring spent lime was responsibly characterized, efficiently transported, and effectively applied to improve soil health and long-term farm productivity across central Alberta.

To learn more and talk about your project needs, connect with us: [core-canada.com](http://core-canada.com)

