

Contact Information:

5689 Ste-Catherine Rd., St-Isidore, ON K0C 2B0
info@spreadx.ca T.: (613) 524-2626



LIMESTONE – AGRICULTURAL cont.

Magnesium Dolomitic

Magnesium Dolomitic – Ste-JN

\$35.00/MT

Magnesium MgCO₃ 34% /Calcium as (CaCO₃) 43%
Neutralizing Value (CaCO₃) 85%
Agricultural Limestone Index 43

TOMLINSON

Magnesium Dolomitic

\$35.00/MT

Magnesium 8.9% / Calcium 20.8%
Neutralizing Value (CaCO₃) 82.25%
Agricultural Limestone Index 78.5

Magnesium Dolomitic – W

\$49.50/MT

Magnesium 28% / Calcium 16%
Neutralizing Value (CaCO₃) 132%
Agricultural Limestone Index 117

Magnesium Dolomitic – M

\$39.50/MT

Magnesium as 31%/Calcium as (CaCO₃) 43%
Neutralizing Value (CaCO₃) 63%
Agricultural Limestone Index 61

Calcium Calcitic



Calcium Calcitic

\$42.00/MT

Calcium as (CaCO₃) 90.9%
Neutralizing Value (CaCO₃) 93.3%
Agricultural Limestone Index 86.8

Calcium Calcitic – A

\$32.00/MT

Calcium 31%
Neutralizing Value (CaCO₃) 78%
Agricultural Limestone Index 70

TOMLINSON

Calcium Calcitic

\$33.00/MT

Calcium 41.6%
Neutralizing Value (CaCO₃) 99.5%
Agricultural Limestone Index 69

Tubre-X Calcitic

\$42.50/MT

Calcium 31%
Potassium 4-5%
Sulfur 1.5-2%
Neutralizing Value (CaCO₃) 78%
Agricultural Limestone index 71

All products can be purchased in TOTES or
Bags of 40kg /20lbs. Please contact us for details.

**Transport and Spreading services
are included in prices.**

**Prices are subject to change.

LIMESTONE FOR LIVESTOCK BEDDING

GRAYMONT- BEDFORD

\$120.00/MT

\$145.00/tote 1000kg

Calcium (Ca) 38%
Calcium Carbonate (CaCO₃) 97%
Magnesium (MgCO₃) 1 %
Agricultural Limestone Index 59
Neutralizing Value (CaCO₃) 107%

For barn only

For barn only

Delivery not incl.

Recommended for mixing with straw for the deep bedding.



For more information on our products, please visit our website at:

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SOIL TESTING & RECOMMENDATION

Soil Sampling	\$20,00 /25 acres
Soil Laboratories Analysis + Micronutrients	\$48,00/sample
Recommendation	\$30.00



CANADIAN WOLLASTONITE



Canadian Wollastonite is a high-grade source of calcium silicate, located just north of Kingston, ON. The product contains 26% silicon, 18% calcium, and 4% magnesium. The mineral is available in a number of formats for use as a soil amendment and can be applied at similar rates and using similar equipment as agricultural lime. Detailed information is available on the product label. Canadian Wollastonite is available in a range of package sizes and formats.

Guaranteed Analysis

Nitrogen	0.11%
Phosphorus (P2O5)	0.10%
Potassium (K2O)	0.10%
Calcium	16.5%
Magnesium	4%
Sulphur	1.78%
Copper	11.00ppm
Zinc	1.10ppm
Silicon	27%

A source of carbon-neutral calcium and plant-available silicon for enhanced tolerance to biotic and abiotic stresses (pests, diseases, drought, lodging, frost)

Agriculture Applications

Canadian Wollastonite can be broadcast in spring or fall. Incorporation is ideal but not necessary. Canadian Wollastonite can also be banded at seeding or early emergence.

Broadcast Rates: Apply at 0.5 to 2 MT/ac. Sandy soils, soils low in organic matter; corn, wheat and alfalfa will respond to higher rates.

Banding Rates:

Corn (at seeding, or up to 2-4 leaf stage)	400-500lbs/ac
Soybeans (at seeding)	300-400lbs/ac

Features and Benefits

Carbon-neutral Calcium: When calcium carbonate (lime) reacts in the soil, it releases carbon dioxide. Wollastonite breaks down into calcium and silicon, and is therefore carbon neutral. Like lime, the calcium helps balance soil pH and supplies calcium for plant growth.

Plant-Available Silicon: The silicon in the product is in an amorphous form, meaning that in the presence of water, it is available to plants as silicic acid. Although silicon is abundant in the soil, a very small percentage is plant-available, and continual cropping can reduce this amount.

Promoting Plant Health: Silicon is important to a plant's **passive** and **active** resistance to environmental stresses, pests and disease.

PRICE: \$85.00/MT FOB St-Isidore quarry
(Spreading and Transportation Extra)

For more information on our products, please visit our website at:

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\$120.00/MT FOB St-Isidore (transportation extra)
(Approx. 1000lbs per acre)



BENEFITS

- * Source of Ca, P, K, Mag and many trace minerals
- * Extremely Reactive—Quick Results & Durable
- * Enhances plant/microbial/mineralogical interactions resulting in soil restoration and better utilization of natural soil minerals.
- * Corrects soil acidification and metal toxicities (aluminium) within the soil
- * Sourced from Northern Ontario
- * 52 Micronutrients
- * Minor elements

GUARANTEED ANALYSIS

<u>Calcium (Ca)</u>	19.50%
<u>P2O5</u>	3.25%
<u>Potassium Total (K2O)</u>	1.59%
<u>Magnesium (Mg)</u>	1.3%
<u>Sulfur (S)</u>	0.05%
<u>Zinc (Zn)</u>	80ppm
<u>Bore (B)</u>	40ppm

Neutralizing Value (%CaCO₃ equivalence) 81%

1000 pounds contains

P2O5 = 3.25% = 32 pounds of phosphorus

K2O = 1.59% = 16 pounds of potassium

2200 pounds (one tonne) contains

P2O5 = 3.25% = 72 pounds of phosphorus

K2O = 1.59% = 35 pounds of potassium

Organic Matter facts:

Microbiological activities in soil are stimulated, which liberates other available plant nutrients from soil minerals and organic matter. Soil scientist report that for every 1 percent of organic matter content, the soil can hold 16,500 gallons of plan soil down to one foot deep. One percent of OM is equal to 30lbs of N per acre.

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SPANISH RIVER CARBONATITE™

Agromineral Fertilizer

Spanish River Carbonatite™ (SRC) is a natural agromineral fertilizer and soil conditioner, which is appropriate for use with, certified organic and conventionally produced crops. SRC contains a suite of minerals, which are mined from an ancient volcanic deposit in Northern Ontario. SRC belongs to the family of alkalic rocks, a very unique group of "high reactivity" rocks. The mineral constituents, sitting at the top of "solubility and reactivity series". Alkalic rocks are characterized by rarity, high concentrations of volatiles (CO₂, H₂O), lithophile elements (lithophile elements are those with a strong affinity for oxygen, having a greater free energy of oxidation) and wide spectrum of mineral types, (up to 50 different types). This group of minerals includes calcium (Ca), magnesium (Mg), phosphorous (P), potassium (K), sodium (Na), iron (Fe) and sulfur (S) bearing species, which are beneficial to plant growth.

SRC contains the following average mineral ingredients:

(SRC is a naturally quarried product that has not been refined or altered, the following list of minerals is an average of the deposit and quantities will vary)

65% Igneous Calcite: A unique form of calcium carbonate, which buffers acid soils and is a source of calcium.

12% Apatite: Also known as rock phosphate, is a source of calcium, phosphorous. Apatite shares the same chemical composition with teeth and bones.

15% Biotite & Vermiculite Mica: A primary, potassium rich, high-energy clay mineral, which is the parent mineral of glauconite (greensand) and vermiculite. Vermiculite is an important high-energy clay mineral, which is widely used in horticulture.

1.5% Magnesite: A magnesium carbonate mineral.

1.5% Pyroxene: Primary mineral rich in lime, iron, silica and magnesia.

1.5% Olivine: A iron magnesium silicate mineral.

1.0% Orthoclase: A potassium feldspar mineral.

2.0% Magnetite & Hematite: Both minerals are a good source of iron.

.20% Thenardite: A sodium sulfate mineral.

.30% H₂O: Water

One Ton (2000 lbs.) SRC contains approximately the mineral equivalent of:

-1200 lbs. calcite (CaCO₃)

-200 lbs. apatite (Rock Phosphate) > apatite contains 35% P₂O₅ > in 200 lbs. of apatite there are 70 lbs. of P₂O₅

-200 to 300 lbs. of vermiculite and biotite > in SRC there is approximately 20 lbs. of K₂O per ton

-50 lbs. of Magnesium (Mg)

-80 lbs. of Sulfur (S)

-1200 ppm* Manganese (Mn) > 2.4 lbs.

-60 ppm Zinc (Zn) > 0.12 lbs.

-10 ppm Copper (Cu) > 0.02 lbs.

-40 ppm Boron (B) > 0.08 lbs.

Potassium content in SRC:

Biotite is potassium mica, an excellent source of potash. When biotite weathers it releases its potassium and replaces it with water. These water molecules that lie in the structure of vermiculite when rapidly heated transform into steam causing the vermiculite to exfoliate. Exfoliated vermiculite is used in agriculture and horticulture as a soil amendment and fertilizer carrier.

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Marc Beauchesne, CEO