



## PRICE LIST

**SPRING  
2016**

Pricing in effect for this  
season only.

**NOW AVAILABLE  
VARIABLE RATE  
APPLICATION**



## GRAYMONT

### GRAYMONT – Michigan Lake

#### **Magnesium Dolomitic** \$35.00/MT

Magnesium 10% / Calcium	28%
Neutralizing Value (CaCO <sub>3</sub> )	91%
Agricultural Limestone Index	60

### GRAYMONT - Joliette Quarry

#### **HIGH Calcitic** \$35.00/MT

Calcium (CaCO <sub>3</sub> )	43%
Neutralizing Value	110%
Agricultural Limestone Index	92

### GRAYMONT- Bedford Quarry

#### **Calcium Calcitic** \$40.00/MT

Calcium carbonate (CaCO <sub>3</sub> )	95%
Calcium	38%
Neutralizing Value	96%
Agricultural Limestone Index	87
Certified BNQ 0419-070/2011	

#### **Graysol Plus** \$35.00/MT

Calcium in Carbon Dioxide (CaO)	37%
Calcium Total	56%
Neutralizing Value	95%
Agricultural Limestone Index	81

**100% Readily Available**

## Cal.P.K.Mag

### **4 in 1** \$78.00/MT

Calcium as (CaCO <sub>3</sub> )	56.9%
Phosphorus as (P <sub>2</sub> O <sub>5</sub> )	2.3%
Potassium as (K <sub>2</sub> O)	3.6%
Magnesium	17.5%
Neutralizing Value (CaCO <sub>3</sub> )	92%
Agricultural Limestone Index	94

#### **Contains:**

52 Micronutrients	Natural NPK
Primary & Secondary Clay	Phosphate
Sulphur	Biotite
Vermiculite	Mica

	Cal	P	K	Mag
<b>SRC</b>	165	21	10.5	9
<b>Mag Lime</b>	264	0	0	178
<b>K Cal Lime</b>	198	4.5	29.0	6
<b>Totals lbs</b>	627	25.5	40	193
<b>Kg</b>	569	23.0	36	175

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

**\*\*Prices are subject to change.**

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

Marc Beauchesne, CEO

**www.spreadx.ca**

Prices effective as of March 1, 2016

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



## **LIMESTONE – AGRICULTURAL cont.**

### **Magnesium Dolomitic**

#### **Magnesium Dolomitic – Ste-JN**

**\$35.00/MT**

Magnesium  $MgCO_3$  34% / Calcium as  $(CaCO_3)$  43%  
Neutralizing Value  $(CaCO_3)$  85%  
Agricultural Limestone Index 43

**TOMLINSON**

#### **Magnesium Dolomitic**

**\$35.00/MT**

Magnesium 8.9% / Calcium 20.8%  
Neutralizing Value  $(CaCO_3)$  82.25%  
Agricultural Limestone Index 78.5

#### **Magnesium Dolomitic – W**

**\$49.50/MT**

Magnesium 28% / Calcium 16%  
Neutralizing Value  $(CaCO_3)$  132%  
Agricultural Limestone Index 117

#### **Magnesium Dolomitic – M**

**\$39.50/MT**

Magnesium as 31% / Calcium as  $(CaCO_3)$  43%  
Neutralizing Value  $(CaCO_3)$  63%  
Agricultural Limestone Index 61

### **Calcium Calcitic**

**COLACEM  
CANADA**

#### **Calcium Calcitic**

**\$38.00/MT**

Calcium as  $(CaCO_3)$  90.9%  
Neutralizing Value  $(CaCO_3)$  93.3%  
Agricultural Limestone Index 86.8

#### **Calcium Calcitic – A**

**\$32.00/MT**

Calcium 31%  
Neutralizing Value  $(CaCO_3)$  78%  
Agricultural Limestone Index 70

**TOMLINSON**

#### **Calcium Calcitic**

**\$33.00/MT**

Calcium 41.6%  
Neutralizing Value  $(CaCO_3)$  99.5%  
Agricultural Limestone Index 69

#### **Tubre-X Calcitic**

**\$42.50/MT**

Calcium 31%  
Potassium 4-5%  
Sulfur 1.5-2%  
Neutralizing Value  $(CaCO_3)$  78%  
Agricultural Limestone index 71

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

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are included in prices.**

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## **LIMESTONE FOR LIVESTOCK BEDDING**

#### **GRAYMONT- BEDFORD**

**\$120.00/MT**

Calcium (Ca) 38%  
Calcium Carbonate  $(CaCO_3)$  97%  
Magnesium  $(MgCO_3)$  1 %  
Agricultural Limestone Index 59  
Neutralizing Value  $(CaCO_3)$  107%

**\$145.00/tote 1000kg**

**For barn only**

**Deliverv not incl.**

Recommended for mixing with straw for the deep bedding.



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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 (P205)	0.10%
Potassium (K20)	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

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

### 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.

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

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# SPANISH RIVER

## CARBONATITE

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



### BENEFITS

- \* Source of Ca, P, K, Mag an 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>	<u>19.50%</u>
<u>P<sub>2</sub>O<sub>5</sub></u>	<u>3.25%</u>
<u>Potassium Total (K<sub>2</sub>O)</u>	<u>1.59%</u>
<u>Magnesium (Mg)</u>	<u>1.3%</u>
<u>Sulfur (S)</u>	<u>0.05%</u>
<u>Zinc (Zn)</u>	<u>80ppm</u>
<u>Bore (B)</u>	<u>40ppm</u>

**Neutralizing Value (%CaCO<sub>3</sub> equivalence) 81%**

#### **1000 pounds contains**

P<sub>2</sub>O<sub>5</sub> = 3.25% = 32 pounds of phosphorus

K<sub>2</sub>O = 1.59% = 16 pounds of potassium

#### **2200 pounds (one tonne) contains**

P<sub>2</sub>O<sub>5</sub> = 3.25% = 72 pounds of phosphorus

K<sub>2</sub>O = 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 belong 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 (CO<sub>2</sub>, H<sub>2</sub>O), 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% H<sub>2</sub>O:** Water

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

-1200 lbs. calcite (CaCO<sub>3</sub>)

-200 lbs. apatite (Rock Phosphate) > apatite contains 35% P<sub>2</sub>O<sub>5</sub> > in 200 lbs. of apatite there are 70 lbs. of P<sub>2</sub>O<sub>5</sub>

-200 to 300 lbs. of vermiculite and biotite > in SRC there is approximately 20 lbs. of K<sub>2</sub>O 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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