



# Rock Powder Solutions Inc

Provider of micronized, pulverized, granulated (agro)mineral products

**Canadian Wollastonite** is a calcium silicate mineral that comes from the world class Saint Lawrence Wollastonite Deposit near Kingston Ontario. The mine came in production in 2012 and has since found a loyal agricultural following within North America who have realized its benefits to their operations.



### Common Applications:

- Common grain crops such as corn, soys, wheat
- Alfalfa/grass forages, provides quick calcium release, helps balance Ca/K ratios
- Vineyards, greenhouses and turf farms.

### Typical Geochemistry of Canadian Wollastonite

	%		%		%
Silicon (Si)	25.80%	Nitrogen (N)	0.11%	Iron (Fe)	1.56%
Calcium (Ca)	18.94%	Phosphorous (P)	0.02%	Titanium (Ti)	0.14%
Magnesium (Mg)	3.99%	Potassium (K)	1.29%	Sodium (Na)	1.06%
Aluminum (Al)	2.32%	Sulfur (S)	0.83%		

### Features and Benefits:

*Calcium:* Wollastonite breaks down into calcium and silicon. Like lime, the calcium helps balance soil pH and supplies calcium for plant growth.

*Plant-Available Silicon:* The silicon in wollastonite is in an amorphous form, meaning that in the presence of water, it is available to plants as silicic acid. Silicon is important to a plant's resistance to environmental stresses, pests and disease. Silicon strengthens cell walls, reduces lodging, increases drought resistance, and resists infection by fungal pathogens.

*Trace Elements:* Because it has a wide array of trace minerals, wollastonite also has a broad span of trace elements.

### Applications:

**Wollastonite "Sand":** The most economical choice for field crops and broadcast application. Similar in appearance to agricultural lime and can be handled and applied in the same manner. Wollastonite can be broadcast in spring or fall. Incorporation is ideal but not necessary.

#### *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.

**Compost:** Can be blended with manures and compost at rates up to 10% by weight.

Finer grades are available upon request up to -400 mesh which is suitable for fertigation and foliar application.

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