



# ULTRACAL™

by GLC Minerals



## Organic UltraCal™

### BENEFITS

Fast-acting neutralizer, bulk powder, cost-effective

### BEST SOIL

Heavy soil that is need of pH adjustment

### BEST CROP

Alfalfa, corn silages, corn, and soy beans

### PRODUCT CODE

Bulk: ORG-600

### INGREDIENTS

High Calcium Carbonate

### BULK DENSITY (approx. lbs/cubic foot)

Compact 77 lbs/cubic foot

Loose 61 lbs/cubic foot

**NATURAL CALCIUM CARBONATE WITH HIGH CALCIUM CONTENT AND LOW MAGNESIUM CONTENT**

### PURITY

The chemical purity of aglime is represented by the calcium carbonate equivalent (CCE) determined in laboratory tests. UltraCal™ Lime has a CCE of 101.

### FINENESS

Aglime made of finely ground particles reacts more quickly with soil than lime with larger particle size. More surface area increases solubility. UltraCal™ Lime has a fineness factor of 100.

*Fineness Index = 20% x (% particles between 20 & 8 mesh) + 60% x (% particles between 60 & 20) + 100% x (% particles passing 60 mesh)*

### NEUTRALIZING INDEX

In Wisconsin, aglime quality is categorized by the Neutralizing Index. The Neutralizing Index is calculated by multiplying the purity and fineness factors. UltraCal™ Lime has a Neutralizing Index of 101.

*Neutralizing Index = Fineness Factor x (%CCE/100)*

### TYPICAL PARTICLE SIZE DISTRIBUTION

U.S. Mesh Screen	% Retained	% Passed
8	0.0	100
20	0.5	99.5
60	2.0	97.5
Pan	97.5	0

### AVERAGE CHEMICAL ANALYSIS

Chemical Compound		% of sample
Calcium Carbonate	CaCO <sub>3</sub>	97
Elemental Calcium	Ca	38.8
Magnesium Carbonate	MgCO <sub>3</sub>	2
Elemental Magnesium	Mg	0.6
Silicia	SiO <sub>2</sub>	0.3
Aluminum	Al <sub>2</sub> O <sub>3</sub>	0.15
Iron	Fe <sub>2</sub> O <sub>3</sub>	0.13
Sulfur	S	0.06



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