



ULTRACAL™

by GLC Minerals



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: 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	0.0

AVERAGE CHEMICAL ANALYSIS

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