



Hurlbut Hi-Cal Aglime

PURITY

The chemical purity of aglime is represented by the calcium carbonate equivalent (CCE) number which is determined in the lab. Hurlbut Hi-Cal Aglime has a CCE of 101.

FINENESS

Aglime made of finely ground particle sizes reacts more quickly with soil than larger particle sizes because more surface area is exposed. More exposed surface area increases solubility. Hurlbut Hi-Cal Aglime has a fineness factor of 100.

$$\text{Fineness Index} = 20\% \times (\% \text{ Particles between } 20 \text{ \& } 8 \text{ mesh}) + 60\% \times (\% \text{ Particles between } 60 \text{ \& } 20 \text{ mesh}) + 100\% \times (\% \text{ Particles Passing } 60 \text{ mesh})$$

TYPICAL CHEMICAL ANALYSIS

Chemical Compound		% of Sample
Calcium Carbonate	CaCO ₃	97.0
Elemental Calcium	Ca	38.8
Magnesium Carbonate	MgCO ₃	2.0
Elemental Magnesium	Mg	0.56
Silica	SiO ₂	0.3
Aluminum	Al ₂ O ₃	0.08
Iron	Fe ₂ O ₃	0.13
Sulfur	S	0.06

NEUTRALIZING INDEX

In Wisconsin, aglime quality is categorized by the neutralizing index. The neutralizing index is calculated by multiplying the purity and fineness factors. InstaLime has a Neutralizing Index of 101.

$$\text{Neutralizing Index} = \text{Fineness Factor} \times (\% \text{CCE}/100)$$

Mined limestone is 100% natural!

Compact Bulk Density: 86 lbs /cubic foot

Loose Bulk Density: 76 lbs/cubic foot

AVERAGE PARTICLE SIZE

U.S. Mesh Screen	% Retained
8	0.0
20	0.0
60	1.0
Pan	99.0