



Horticultural Hydrated Lime

Hi-Yield

ferti-lome Item Sheet

ferti-lome



- Horticultural Hydrated Lime is used to correct acid soil conditions by raising the pH, making it more alkaline. They call this Sweetening the soil.

- Sweetens the soil? What does that mean? It comes from when the settlers moved west and would stop at a site, they would test the soil by tasting it. If the soil was alkaline it would taste sweet, especially when compared to acidic soil which is sour.

- Some other uses are: Reduce odor on waste areas and compost piles. Increases availability of Molybdenum and Phosphorous to plants. Increases microbial activity. Helps legumes fix Nitrogen.

Lets explain that CRAZY label. (see lower image)

Hydrated Lime is mined from a limestone quarry and crushed down to various sizes, thus the pulverized chart. This is known chemically as $Ca(OH)_2$ Calcium Hydroxide.

Calcium (Ca) 51% - So from this bag, 51% is just Calcium, but we are not selling it as just Calcium, it's Lime.

Calcium Oxide (CaO) 72.50% - When they heat the limestone to above 825 °C a CO2 molecule burns off leaving this, thus a higher amount. It is also known as Quicklime and has a super-high affinity for water, helping it to absorb moisture and associated aromas.

Magnesium Oxide (MgO) 0.45% - In Hydrated Lime the low % is a good thing because it has the opposite effect of the CaO. It is not attracted to water, thus working against the benefits of the Lime. If the MgO is between 5% and 35% it would be Dolomite.

Calcium Carbonate Equivalent C.C.E. (CaCO₂) 131.00% - This is a comparison to pure CaCO₃. Assuming CaCO₃ has a purity of 100%, at the same weight, the CaCO₂ amount would be 131%.

Calcium Hydroxide (Ca(OH)₂) 95.79% - This is Hydrated Lime.

Effective Neutralizing Power E.N.P. 130.35%

Effective Neutralizing Value E.N.V. 130.35%

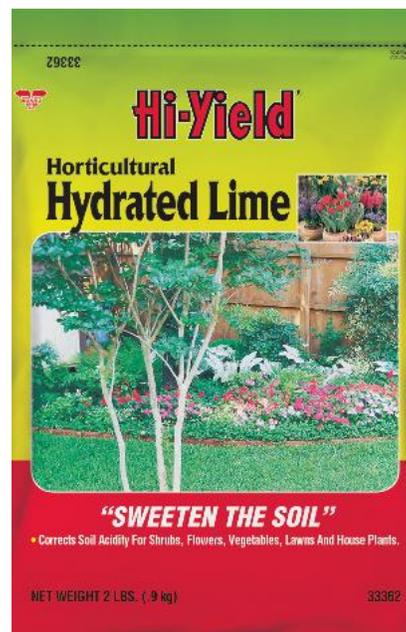
ECCE Value 130%

Oregon Lime Score 115.84

These are all values, (either by percent or assigned number) determined through a formula, used to compare different lime products regardless of differences in purity, fineness of grind and water content.

I get numerous questions about how percent's can be over 100%. We are trained to look at the label as to what percent of the contained product is active, or inert and the math should add up to 100%. Everything on this label, over 100% is determined through a formula and is required to be on the label by various states to help locals determine how much to use.

Has mixing instructions for making a "Whitewash"!



MINIMUM GUARANTEED ANALYSIS	
Calcium (Ca)	51.00%
Calcium Oxide (CaO)	72.50%
Magnesium Oxide (MgO)	0.45%
Calcium Carbonate Equivalent (CaCO ₃) (eq.)	131.00%
Calcium Hydroxide (Ca(OH) ₂)	95.79%
E.N.P.	130.35%
E.N.V.	130.35%
F370	
FINENESS PULVERIZED	
Minimum 100.00%	Passing 8 Mesh Sieve
Minimum 100.00%	Passing 10 Mesh Sieve
Minimum 100.00%	Passing 20 Mesh Sieve
Minimum 99.75%	Passing 40 Mesh Sieve
Minimum 99.50%	Passing 50 Mesh Sieve
Minimum 99.25%	Passing 60 Mesh Sieve
Minimum 99.00%	Passing 100 Mesh Sieve
Minimum 98.25%	Passing 200 Mesh Sieve
This Product requires 1,526 lbs. to equal 2,000 lbs. of Standard Liming Material.	
*This Product meets West Virginia's definition of Pulverized Limestone Laws and Regulations.	
Moisture, not more than	0.01%
Lime Score (Oregon)	115.84
Oklahoma ECCE Value	130%
Iowa Secretary of Agriculture Certified 2,480 Pounds ECCE per ton. Quarry Lime	

Available in two sizes:

2lb 33362 5lb 33371