

Lawn & Garden #1

Lawn & Garden #1 is a small granular CaCO₃ product processed from quarried high calcium limestone in Alden with minimum calcium content of 38%



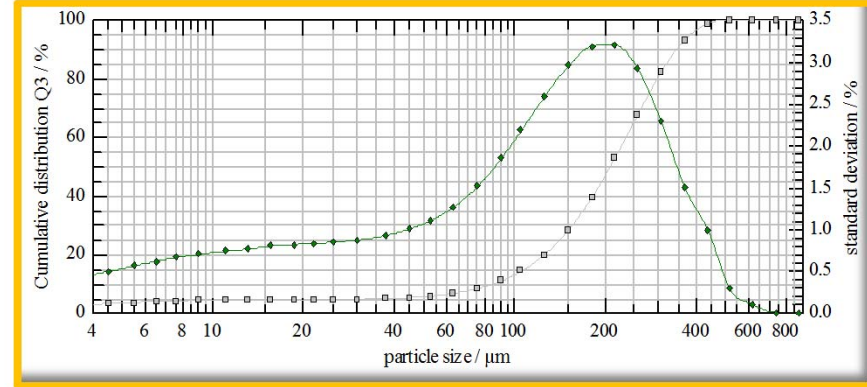
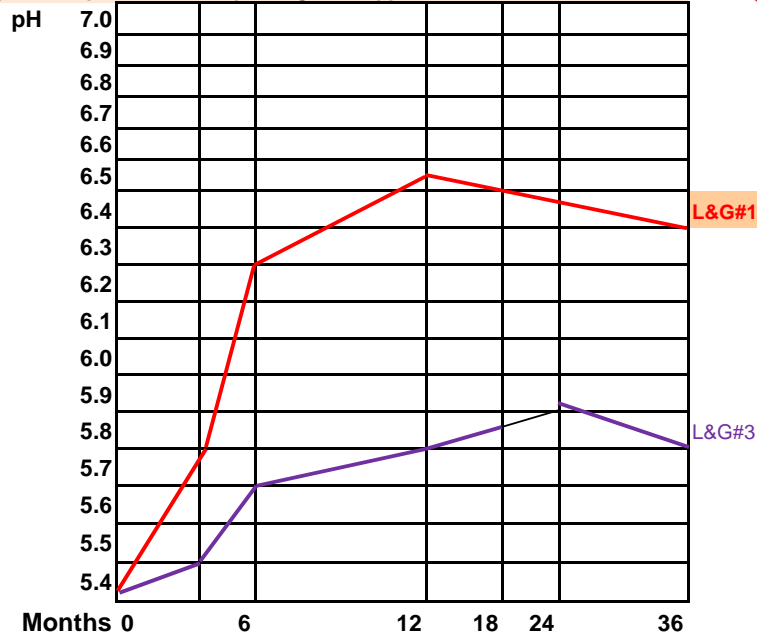
Alden, IA

Particle Size Measurement -- Laser Diffraction

Average Particle Size = **207.17** microns

Ave particle size: half of the particles are above and half are below this point on the "S" shaped cumulative distribution graph.

Change in soil pH over time -- post AgLime Application



Typical Analyses					
Magnesium (Mg)	0.118	%	Nickel (Ni)	< 5	ppm
Silicon (Si)	0.07	%	Cobalt (Co)	< 5	ppm
Silica (SiO ₂)	0.14	%	Copper (Cu)	29	ppm
Iron (Fe)	0.145	%	Zinc (Zn)	118	ppm
Sodium (Na)	0.021	%	Cadmium (Cd)	< 5	ppm
Potassium (K)	0.009	%	Iodine (I)	2	ppm
Sulfur (S)	0.888	%	Arsenic (As)	< 5	ppm
Manganese (Mn)	0.015	%	Beryllium (Be)	< 5	ppm
Phosphorus (P)	0.007	%	Selenium (Se)	0.252	ppm
Chloride (Cl)	0.004	%	Mercury (Hg)	< 0.05	ppm
Chromium (Cr)	7	ppm	Vanadium (V)	< 5	ppm
Aluminum (Al)	107	ppm	Molybdenum (Mo)	< 5	ppm
Boron (B)	10	ppm	Fluorine (F)	< 1	ppm
Barium (Ba)	< 5	ppm	Bismuth (Bi)	< 5	ppm
Lead (Pb)	< 5	ppm	Antimony (Sb)	< 5	ppm

% Ca	39.27
% CaCO ₃	98.18
H ₂ O	< 0.5%
Bulk Density	(lbs./cu.ft.)
Loose:	81
Packed:	89

Particle Distribution--U.S. Screen Comparison			
40 X 200 mesh product			
Micron Size	U.S. Screen	% Retained	% Passing
2000	10	0.0	100.0
1700	12	0.0	100.0
1400	14	0.0	100.0
1180	16	0.0	100.0
1000	18	0.0	100.0
710	25	0.0	100.0
500	35	0.3	99.7
425	40	2.2	97.5
355	45	6.5	91.1
300	50	10.6	80.5
212	70	28.9	51.6
180	80	12.5	39.1
150	100	11.3	27.8
75	200	20.0	7.8
10	Pan	7.8	
		100.0	