

AgLime #3

AgLime #3 is a large granular CaCO₃ product processed from mined high calcium limestone in Alden, IA with minimum calcium content of 38%

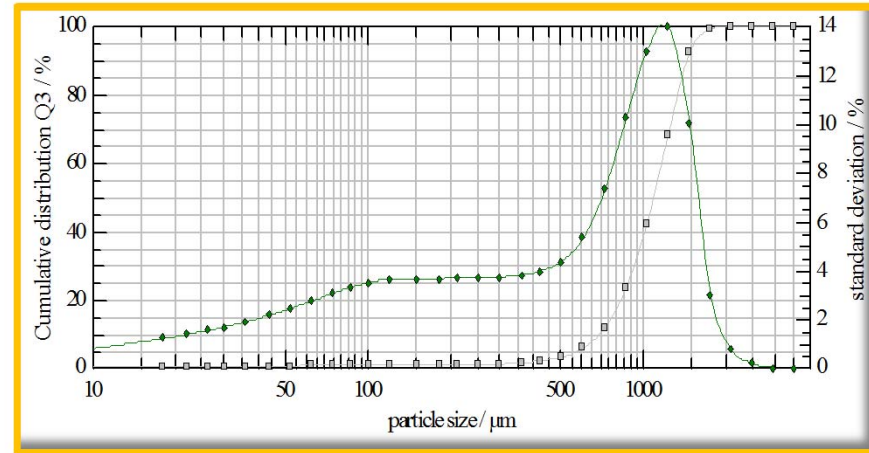


Alden, IA

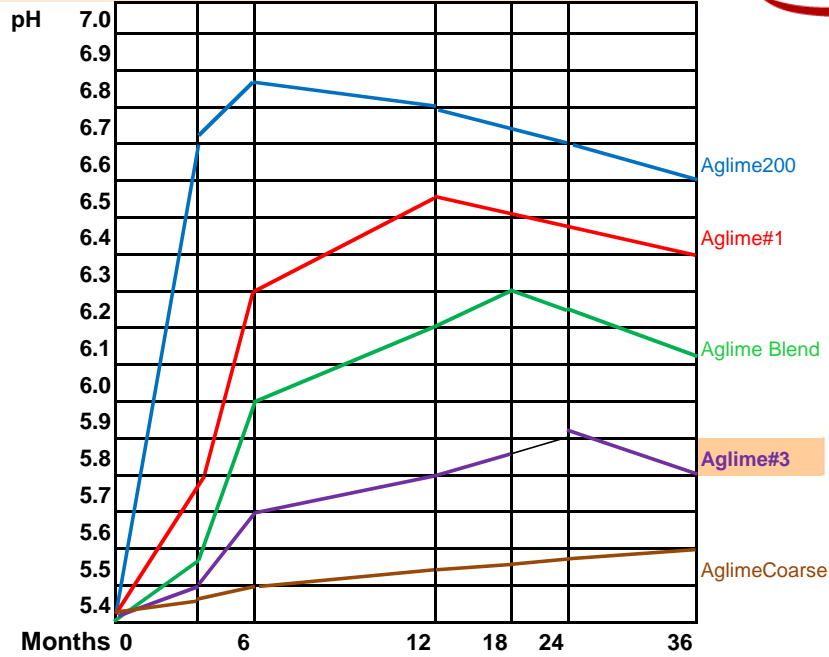
Particle Size Measurement -- Laser Diffraction

Average Particle Size = **1088.76** 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 |

Calculated Values Based on Test Data

| | IA-NE-SD-IL | KS-OK | MN | MO | WI |
|----------|-------------|-----------|------------|------------|-----------|
| | ECCE | ECC | ENP | ENM | NI |
| Aglime#3 | 801 | 50 | 580 | 206 | 29 |

| | |
|---------------------------|---------------|
| % Ca | 39.53 |
| % CaCO₃ | 98.83 |
| H ₂ O | < 0.5% |
| Bulk Density | (lbs./cu.ft.) |
| Loose: | 77 |
| Packed: | 83 |