




Competitive Limestone Analysis:

Wisconsin Liming Materials

Chemical and Physical Analysis

		Wisconsin Pell-Lime	60-69 Aglime	80-89 Aglime
Calcium:	36%	34%	18%	21%
Magnesium:	0.4%	3%	11%	13%
CCE [†] :	94%	89%	93%	100%
ECCE [‡] :	91%	71%	68%	85%
%Pass 60-Mesh:	97%	69%	62%	75%
%Pass 100-Mesh:	95%	61%	45%	65%
Lbs Equivalent*:	100	190	280	230

† = CCE; Calcium Carbonate Equivalent (purity)

‡ = ECCE; Effective Calcium Carbonate Equivalence (purity + particle size + moisture). Used to obtain lime "score" or Neutralizing Index (e.g. 60-69 or 80-89).

* Lbs Equivalent combines ECCE and magnesium component of liming material to calculate equivalency.

Note: Comparison samples in above table are representations of pell-lime and aglime collected throughout Wisconsin and were analyzed by Midwest Laboratories, Omaha, NE.

Key Differences

- 98G™ contains more calcium and less magnesium than the other materials. Magnesium in liming materials makes them less effective at changing soil pH. Calcium promotes better soil structure than magnesium.
- 98G has a higher ECCE than the other materials, resulting in lower application rates. ECCE is the measurement of what percentage of a given material actually changes soil pH.