

# PURITY. FINENESS. RESULTS.

## THE TRADITION CONTINUES

Since 1889, Baker Lime has been producing high quality limestone. Almost a century later, the tradition continues with Baker's complete line of products for the agricultural, consumer, and industrial markets.

Mined from a rich dolomite deposit in the heart of York County, Pennsylvania, the high purity and particle fineness of Baker's limestone have made it an acknowledged leader. Few products on the market today can compare.

Farmers depend on Commercial or Ag-Dolomite Limestone to neutralize acid soil. When soil pH is properly controlled, crop yields and fertilizer/herbicide effectiveness can be improved significantly. Baker's high quality ag limestone plays an important role in the overall economy of farm production.

Fertilizer and industrial manufacturing plants, using Grandol and RP-40, rely on Baker's quality and service to meet demanding production schedules and end product specifications.

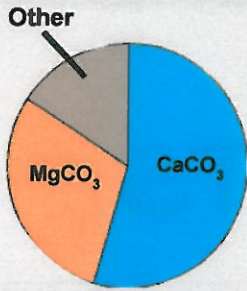
Whatever the need for limestone, Baker Lime has the product, quality, service, and commitment to provide the best value.

That is our tradition.  
That is our promise.



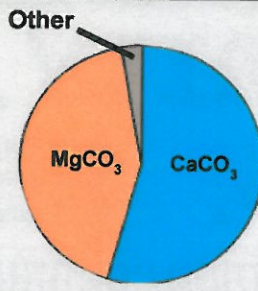
## Purity Comparison

## COMMERCIAL



### CHEMICAL ANALYSIS Typical Limestone

Calcium Carbonate	CaCO <sub>3</sub>	54.8%
Magnesium Carbonate	MgCO <sub>3</sub>	30.0%
Total Carbonates		84.8%
Other (no neutralizing value)		15.8%



### CHEMICAL ANALYSIS Baker's Limestone

Calcium Carbonate	CaCO <sub>3</sub>	53.5%
Magnesium Carbonate	MgCO <sub>3</sub>	42.0%
Total Carbonates		97.5%
Other (no neutralizing value)		2.5%

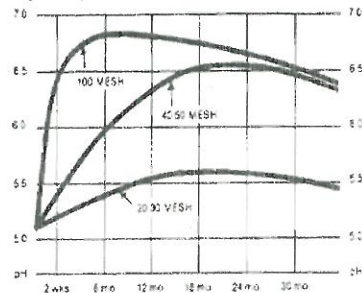
### CHEMICAL ANALYSIS GUARANTEED

Calcium Carbonate Equivalent (C.C.E.)	105.6%
Calcium Carbonate (CaCO <sub>3</sub> )	53.5
Magnesium Carbonate (MgCO <sub>3</sub> )	42.0
Total Carbonates	97.5
Calcium Oxide (CaO)	30.0
Magnesium Oxide (MgO)	20.0
Total Oxides	51.0
Elemental Calcium	21.4
Elemental Magnesium	12.1
Effective Neutralizing Value	95.0
Effective Neutralizing Power	93.0

Typical Moisture Content 2%-4%  
Maximum Moisture Content 8%

### TIME/PARTICLE ANALYSIS

### Time/Particle Analysis Reaction Time of Ground Limestone Depends Upon Particle Size



## COMMERCIAL

### CALCIUM CARBONATE EQUIVALENT (C.C.E.)

### Calcium Carbonate Equivalent (C.C.E.)

#### ACTUAL DOLLAR VALUE

	Recommendation		Lbs. of	Cost	Cost
Product	Lbs. C.C.E. per Acre	C.C.E.%	Limestone Needed	per Ton	per Acre
Baker	3,000	105.6	2,841	\$26.00	\$36.92
Other	3,000	90	3,333	24.00	40.08

### EFFECTIVE NEUTRALIZING VALUE (E.N.V.)

### Effective Neutralizing Value (E.N.V.)

#### ACTUAL DOLLAR VALUE

	Recommendation		Lbs. of	Cost	Cost
Product	Lbs. E.N.V. per Acre	C.C.E.%	Limestone Needed	per Ton	per Acre
Baker	3,000	95	3,158	\$28.00	\$44.24
Other	3,000	85	3,524	26.00	46.02

### SCREEN ANALYSIS FERTILIZER EFFICIENCY

### Screen Analysis

#### SCREEN ANALYSIS

U.S. Standard Sieve	Guaranteed	Typical
20 Mesh	100%	100%
60 Mesh	85%	95%
100 Mesh	75%	80%

### Fertilizer Efficiency

#### Soil Acidity Fertilizer Wasted

Soil Acidity	Fertilizer Wasted
4.5 pH	71%
5.0 pH	54%
5.5 pH	33%
6.0 pH	20%
7.0 pH	0%

**BAKER  
\* LIME**

### BAKER'S COMMERCIAL

- Is a finely pulverized, damp, dolomitic limestone used to control soil pH.
- Quickly neutralizes soil acidity to provide the best environment for plant growth.
- Supplies calcium and magnesium, two very important plant nutrients.
- Can improve both fertilizer and herbicide efficiency by producing recommended soil pH levels.
- Has been designed to be applied with spinner-type spreaders.

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