

**MINERAL
COMPANIES
PROCESSING**

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**2008
Growing Season**

Pelletized Lime & Pelletized Gypsum



Potatoes

Research shows that both Pelletized Lime and Gypsum made a difference in Potatoes in 2008!

In 2008, we designed a trial to test the response to yield and quality of potatoes as a direct result of Pelletized Lime and Pelletized Gypsum applications.

Treatment 1:

Pelletized Lime	300 lbs
10-10-10	600 lbs
Potassium Sulfate	300 lbs

Treatment 2:

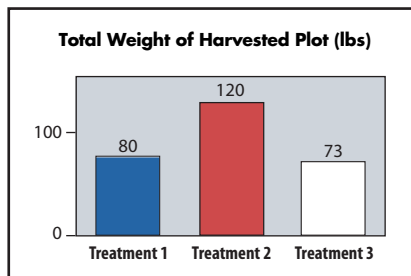
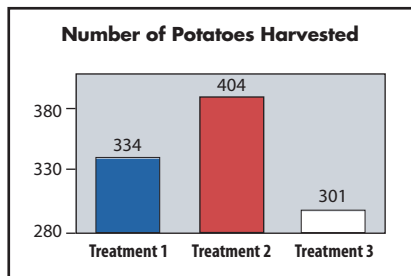
Pelletized Gypsum	300 lbs
10-10-10	600 lbs
Potassium Sulfate	300 lbs

Treatment 3:

10-10-10	600 lbs
Potassium Sulfate	300 lbs

Product Description:

Pelletized Lime supplied 22% calcium and 11% magnesium. Pelletized Gypsum supplies 21% calcium and 16% sulfur. The mined materials are first finely ground for quick availability to the soil and the plant. The resulting powder is then granulated into fertilizer sized pellets for easy mixing. Soil applications are extremely uniform and accurate.



Discovery:

Pelletized Lime increased the number of harvested potatoes by nearly 11% and the total weight of plots by 10% over the untreated plots. Pelletized Gypsum increased the number of harvested potatoes by nearly 35% and the total weight by 65% over the untreated plots.

Summary:

Calcium in Pelletized Lime and Pelletized Gypsum proved beneficial for:

- Increasing the number of potatoes harvested
- Increasing the total harvested weight
- Improved plant health and less plant disease

Benefits of Calcium:

- Calcium is the most important fertilizer nutrient
- Calcium is the primary building block for cell division and flower formation
- Calcium aids in plant maturity and seed and fruit set
- Calcium improves disease resistance (potato scab) and improves plant health
- Calcium plays a major role in increasing fruit firmness and adds to the storage life of the fruit for movement to distant markets

Test Notes: OM-2%; CEC-7.7; Soil pH-6.6;
Soil Fertility-"High"; 4 Reps; RCB Design

Contact your local fertilizer dealer or Mineral Processing for more information on Pelletized Lime and Gypsum
Mineral Processing Companies • (419) 344-5969

Visit our website at www.mineralprocess.com