



# Pelletized LIME



**Pelletized lime** soil amendment derived from sugar beet lime by-product, sourced and produced in the Red River Valley of the North.

## Advantages

### Moisture Content Reduced to <10%

Reduced from approximately 30%

*Higher concentration  
of nutrients = Lower Use Rates*

### Ease of Application

(use of typical fertilizer spreader, aire seeder, etc)



## Agronomic Benefits

- Improving the physical, chemical and biological properties of the soil
- Increases pH in acidic soils
- Reduce the efforts of Aphanomyces
- Promoting better nitrogen fixation by legumes
- Increasing the availability of nutrients to plants
- Reduce toxicities in the soil
- Enhancing the effectiveness of some herbicides
- Excellent source of available calcium, magnesium, and minor amounts of the following nutrients: N, P, K, Zn, Fe, Cu, and B



## Packaging

- True Bulk (per US ton) F.O.B. | Crookston, MN



**For Product Information, Please Contact Us:**

218.752.5463 • 2100 S. Main St., Crookston, MN 56716 • [northstarlime.com](http://northstarlime.com)



## Pelletized Sugar Beet Lime Analysis



Product Density (Lb/ft3)	63
Moisture	<10%
Dry Matter	90%
<b>Calcium (Ca)</b>	<b>34.60%</b>
Calcium Carbonate (CaCO3)	86.40%
<b>Magnesium (Mg)</b>	<b>1.60%</b>
Magnesium Carbonate (MgCO3)	5.60%
<b>Calcium Carbonate Equivalent (CCE)</b>	<b>84.40%</b>
<b>Total Neutralizing Power (TNP)</b>	<b>84.40%</b>
<b>Fineness Index (FI)</b>	<b>100%</b>
<b>Effective Neutralizing Power (ENP)</b>	<b>1404 Lb/ton</b>

### NLS Pelletized Sugar Beet Lime Adjusted Application Rate/ton of Recommended Standard Lime

*Adjusted Lime Application Rate = Recommended Rate of Standard Lime x (2000/ENP)*

<b>1.282</b>	ton/acre
<b>2,564</b>	Lbs/acre

### Average Estimated Nutrient Content\*

Total Nitrogen – .35%, Phosphate – 1.0%, Potash – .15%, Sodium – .024%, **Calcium – 34.6%**, **Magnesium – 1.6%**, Sulfur – .46%, Zinc – .09 Lb/ton, Iron – 4.3 Lb/ton, Manganese – .32 Lb/ton, Copper – .032 Lb/ton, Boron – .02 Lb/ton

Lime Type	Location	Fineness Index (Effective Neutralizing Value)	CCE (Calcium Carbonate Equivalent)	ENP (Effective Neutralizing Power)	Moisture	Sieve Analysis (Passing Through)			Min. Lbs. ENP / Ton
						US #8	US #20	US #60	
NSL Pelleted	MN	97	84%	82%	10%	100%	100%	100%	1,404
Beet Lime	MN	100	78%	77%	30%	100%	100%	100%	1,080
Beet Lime	ND	100	55%	86%	36%	100%	100%	100%	1,101
Quarry Screened Lime	MN	75	83%	62%	4%	98%	80%	58%	1,191
Quarry Screened Lime	IA	63	82%	52%	5%	92%	65%	47%	978
Water Treatment Lime	MN	100	94%	94%	53%	100%	100%	100%	893
Water Treatment Lime	SD	100	96%	96%	50%	100%	100%	100%	967
Wood Ash	MN	94	35%	33%	29%	99%	98%	88%	475
Wood Ash	MN	98	41%	40%	12%	100%	100%	95%	700
Egg Shells	IA	100	85%	85%	20%	100%	100%	100%	1,360

Available from Minnesota Department of Agriculture – Ag Lime Analysis Results.

\*Nutrient content will vary slightly due to variations in sugar beet nutrient content.



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