

WEST CENTRAL WISCONSIN BIOSOLIDS FACILITY
LIME STABILIZED PRODUCT
INFORMATION SHEET

Lime stabilization produces a safe, pasteurized product from municipal sewage biosolids and various lime products. The Biosolids Facility adds quick lime to the biosolids to generate the heat necessary to pasteurize the biosolids. This production uses the Schwing Bioiset technology.

The lime stabilized product from the Biosolids Facility can be used as a source of plant nutrients, lime, organic matter and a soil conditioner. This product provides plants with nitrogen, phosphorus, potassium and micronutrients such as sulfur, boron, calcium, etc. Many of these nutrients in the product are released to the plant slowly over time like timed released fertilizer, but unlike timed released fertilizer our product is an organic material.

Agricultural crops that can benefit from the lime stabilized product are: corn, oats, soybeans, and as a top dressing for alfalfa or incorporated before the alfalfa is seeded. This product is not recommended for plants called "Acid Lovers".

The end product from the WCW Biosolids Facility meets all the US EPA and WDNR limits for metals in biosolids to be certified a Class "A" Exceptional Quality Biosolids product. This assures that it's safe for home, garden, and agricultural uses. The table below lists the limits set by the EPA & WDNR and the typical range for our end product.

	Typical Range LB/TON (AS IS)		
Total Nitrogen	24.2	-	26.4
NH3-N	1.99	-	2.18
Total Phosphorus	9.77	-	13.09
Total Potassium	1.48	-	1.87
Total % Solids	33.43	-	36.13
Ag-Lime Equivalency	60	-	70
pH (standard units)	11.7	-	12.4

Product Year 2025

EPA & WDNR LIMITS (mg/kg dry weight basis)

	Range		Ceiling Limit	High Quality Limit
Arsenic	1.280	-	2.670	10
Cadmium	0.461	-	0.737	85
Copper	170	-	185	4,300
Lead	4.61	-	15.00	840
Mercury	0.166	-	0.327	57
Molybdenum	4.29	-	19.30	75
Nickel	5.60	-	15.90	420
Selenium	2.250	-	3.120	100
Zinc	201	-	336	7,500
Fecal Coliform	100	-	107	1,000

PFOS 3.5 ug/kg

PFOA None Detcted ug/kg

Below 20 ppb: Biosolids can be applied without restrictions,

Between 20 and 100 ppb: The landowner and/or farmer must be notified of the results.

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Restrictions for Use

1. The lime stabilized product cannot be applied to land that is flooded or to areas subject to ponding.
2. Neither threatened or endangered species nor their habitat, or designated historical sites will be adversely impacted by its

Instructions for Use

1. Bulk application to agricultural land: For soil amendment, spread 5-10 tons per acre and incorporate into the soil. For use as liming material, apply at a range of twice the recommended soil test rate for ag-lime. (Example: 1 ton of ag-lime is needed per acre, then apply 2 tons of our end product per acre).
2. Always get the most recent product analysis before applying to get the most accurate nutrient loading. Composite samples are taken each year.
3. Topsoil Amendment: Lawns & gardens - incorporate this product into top 2 to 3 inches of soil, at a rate of 1-2 lb/sq.ft, seed and water thoroughly. It will improve poor clay or sandy soils.
4. when finished and on a normal schedule. For Alfalfa immediately after the cutting apply 1 to 3 tons evenly per acre. This product must be spread evenly.

For additional information or if you have any questions about our product write or call:

Randy Lindquist
West Central Wisconsin Biosolids Facility
677 Bio Avenue
Wausau, WI 54981

I, the undersigned, hereby certify I have read and understand RESTRICTIONS FOR USE and
lime stabilized product and hereby certify I will comply with
these instructions and restrictions.

Signature of responsible party

Date

Address of party/City/State/Zip

Phone & Fax

