



PRODUCT DATA SHEET

City of Gillette Wastewater Treatment Facility
3101 South Garner Lake Road
Gillette, WY 82718
(307) 686-5274

Stonepile Select Biosolids Compost is comprised of anaerobically digested, stabilized sewage sludge solids from the wastewater treatment process produced at the City of Gillette Wastewater Facility. In addition, a joint cooperative agreement between the City of Gillette and the City of Spearfish, South Dakota allows for the acceptance and processing of aerobically digested wastewater sewage sludge from that facility. Often, this material is mixed with animal waste (manure) to reduce moisture content and provide some structure. Collectively, the biosolids are further treated by adding wood chips, mechanically turning/mixing and heating/drying in windrows on the composting pad. This process greatly reduces the population of pathogenic organisms, reduces volatile solids (odor reduction) and achieves other mandated parameters established by Federal regulations. When the composting process is complete, the material is tested by third party laboratories to meet stringent requirements and limits specified for Class A Biosolids in the Code of Federal Regulations (40CFR503) and enforced by the U.S. EPA Region VIII.

Stonepile Select Yardwaste Compost is comprised of grass, leaves, small branches, food waste and some restaurant greases. While this type of compost is not regulated, nearly identical processing and testing procedures are performed to ensure its quality.

General Instructions for Use:

Stonepile Select Composts are organic soil conditioners, similar to manure and many other organic soil amendments. They should be mixed with topsoil or other native soil material for the best results. Compost often contains higher levels of nutrients and seeds cannot always successfully germinate without mixing. Stonepile Select Composts should be stored and handled with the same precautions recommended for other organic soil conditioners.

Typical analyses of Stonepile Select Amendments as follows:

BIOSOLIDS	
PARAMETER	MEASUREMENT RANGE
BULK DENSITY <small>(WEIGHT)</small>	950-1200 lbs./cu.yd.
AMMONIA-NITROGEN	0.5 - 1.5 %
NITRATE-NITROGEN	0.5 - 475 mg/kg
TOTAL ORGANIC NITROGEN	0.5 - 3.0 %
PHOSPHORUS	0.01 - 1.7 %
POTASSIUM	0.1 - 0.5 %
ARSENIC	3 - 9 mg/kg
CADMIUM	N/D* - 4 mg/kg
CHROMIUM	8 - 35 mg/kg
COPPER	120 - 510 mg/kg
LEAD	8.5 - 50 mg/kg
MERCURY	N/D* - 1 mg/kg
MOLYBDENUM	5.5 - 30 mg/kg
NICKEL	14.5 - 65 mg/kg
SELENIUM	4 - 17 mg/kg
ZINC	200 - 1100 mg/kg

YARDWASTE	
PARAMETER	MEASUREMENT RANGE
BULK DENSITY <small>(WEIGHT)</small>	950-1200 lbs./cu.yd.
AMMONIA-NITROGEN	0.01 - 0.2 %
NITRATE-NITROGEN	1 - 65 mg/kg
TOTAL ORGANIC NITROGEN	0.5- 2.0 %
PHOSPHORUS	0.1 - 0.5%
POTASSIUM	0.1 - 1.5 %
ARSENIC	1 - 4 mg/kg
CADMIUM	N/D* - 2 mg/kg
CHROMIUM	5 - 15 mg/kg
COPPER	17 - 45 mg/kg
LEAD	5 - 11 mg/kg
MERCURY	N/D* - .5 mg/kg
MOLYBDENUM	1.0 - 3.5 mg/kg
NICKEL	7 - 10 mg/kg
SELENIUM	0.5 - 1.2 mg/kg
ZINC	70 - 150 mg/kg

*N/D (non-detect) is an analytical sample where the concentration is deemed to be lower than could be detected using the method employed by the laboratory