

Free Crop Nutrient Supplement and Soil Conditioner

The Waco Metropolitan Area Regional Sewerage System (WMARSS) has been producing bio-solid pellets since 1996. The pellets provide excellent nutrient value and soil conditioning for agricultural crops. WMARSS produces over 5,000 metric tons of beneficial bio-solids per year. However, WMARSS routinely falls behind demand for this product due to ease of use and price compared with commercial fertilizers and soil amendments.

Currently, WMARSS has three bio-solids storage units which were built before the incorporation of the dryer and pelletizing facility. In order to move forward with green initiatives and meet current bio-solids demand, WMARSS would like to offer the stored bio-solids cake free of cost for agricultural use. Although they have similar nutrient value, these solids differ from the pelletized product in that they are in a 20-50% dry cake form. The cake solids, like the pellets, have met TCEQ criteria to be distinguished as a Class A (Exceptional Quality) bio-solid by achieving pathogen and vector reduction requirements.



Cake Nutrient Value

2.61 % Total Nitrogen
3.15% Total Phosphorous
0.64 % Total Potassium
7.3 % Total Calcium
0.61% Total Magnesium
0.33% Total Sodium
0.09% Total Zinc
1.37% Total Iron
0.08% Total Copper
0.05% Total Manganese
1.49% Total Sulfur
0.003% Total Boron

Pellet Nutrient Value

3.86% Total Nitrogen
2.25% Total Phosphorous
0.28% Total Potassium
5.17% Total Calcium
0.38% Total Magnesium
0.2% Total Sodium
0.05% Total Zinc
1.07% Total Iron
0.05% Total Copper
0.04% Total Manganese
0.9% Total Sulfur
0.002% Total Boron



Questions and Answers



What is the nutrient value of the bio-solid cake?

The nutrient value of the bio-solid cake is similar to the pellet bio-solid. *(See comparison chart on reverse side.)* The cake may be used to amend soil and decrease the reliance on commercial fertilizers.

Is the bio-solid cake safe and does it have an odor?

Like the bio-solid pellets, the bio-solid cake has met Texas Commission on Environmental Quality requirements for pathogen and vector attraction reduction. Like the pellet bio-solid, the cake does not possess a foul odor.

What equipment would I need to spread the cake?

The cake is 20-50% dry and can be spread with a manure spreader or live bottom trailer. WMARSS also has a list of vendors equipped to haul and apply the bio-solids.

Are there restrictions to bio-solid application?

The cake may be applied the same as the pelletized bio-solid. WMARSS can supply information regarding agronomic loading rates.

How do I get the bio-solids?

The bio-solids may be obtained Monday through Friday during normal business hours. Please call (254) 662-1501 to schedule a loading time.

Why is WMARSS giving the product away?

The storage units contain bio-solids which are a waste product of the wastewater treatment process that have received treatment to make a beneficial product. WMARSS is converting two of the bio-solid storage units to pursue “green” initiatives including a composting operation where bio-solids are mixed with wood waste. Since the bio-solid has a beneficial use, WMARSS prefers to save valuable landfill space and have the product used in a “green” manner.

Will WMARSS still offer pellets?

WMARSS will continue to offer pellets for a small fee. However, the pellets have a high demand and routinely stay back-logged.