

Fertile Fuel: Natural Organic Fertilizer

Available for free in
any quantity.



BIOSOLIDS

Biosolids are defined as the decomposed solid waste after sewage sludge has been treated chemically and organically at the sewage treatment plant.

The potentially harmful bacterium or microbes are no longer present. And the resultant biosolids are rich in nitrogen (fertilizing component) and are safe for use in landscaping and agriculture applications.

NATURAL ORGANIC FERTILIZER

UMJA's Fertile Fuel is highly processed and monitored fertilizer, which contains more than 50% organic matter.

Natural organic fertilizer is the original slow-release fertilizer that many synthetics strive to mimic. Natural organic fertilizers typically have a large amount of water insoluble nitrogen (WIN); that is, the nitrogen, along with other nutrients, remains slow-release and are minimally affected by watering or rainfall.

Some other benefits of this product are:

- ✓ Organic content promoting soil microbe activity
- ✓ Low burning potential due to no salts
- ✓ Lower disease and insect occurrence
- ✓ Regulated to assure public health

This fertilizer can be used in a variety of applications. The attributes of both natural organic and synthetic fertilizer can be combined to create a superior product.

CONTACT US

The Upper Montgomery Joint Authority

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👍 Find us on Facebook!

🏢 Open Monday-Friday
7 AM-3:30 PM

🌐 www.umja.org
Visit our website for information
on contacting us in the event of
a sewer emergency.

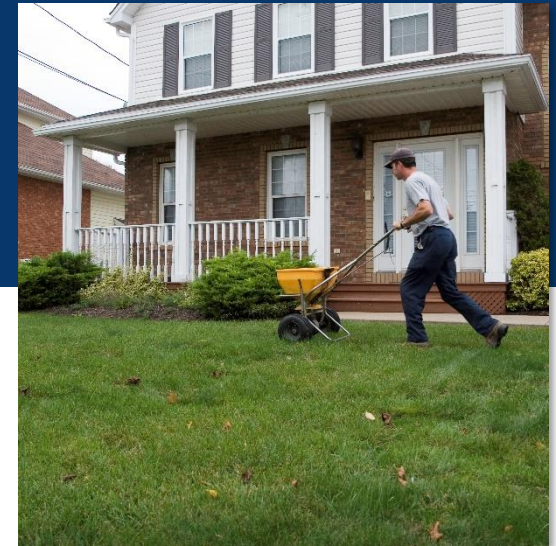
Distribution and usage of this product is authorized by the PA Department of Environmental Protection General (PADEP) Permit #PAG 07-0010. UMJA Fertile Fuel is in complete compliance with all standards, including metals and pathogens, for the "Beneficial Use of Exceptional Quality Sewage Sludge" as required by the PADEP and the standards for "Class A Biosolids" under the federal Clean Water Act, 40 CFR Part 503. Recycling of high quality, processed sewage sludge (biosolids) is accepted and encouraged by policies adopted by both PADEP and the U.S. Environmental Protection Agency. Use of this product is permitted only if applied according to the instructions and restrictions stated. According to PADEP regulations, this product may not be used in Exceptional Value Watersheds unless a site-specific permit has been approved by the PADEP. Portions of Cooks Creek and Tinicum Creek in Bucks County and Valley Creek in Montgomery County are listed by PADEP as Exceptional Value Water-sheds. In lower Berks County, Saucony Creek, Oysterville Creek, Pine Creek and West Branch Perkiomen Creek are Exceptional Value Watersheds. Proposed High Quality/Exceptional Value Watersheds include Brook Evans Creek in Limerick Township, Montgomery County and Tohickon Creek in Bucks County. This product has been permitted for distribution and use only in PA.



UPPER MONTGOMERY JOINT AUTHORITY

FERTILE FUEL

Instructions for Residential Use



UMJA Biosolids: Natural Organic Fertilizer

The Upper Montgomery Joint Authority offers our biosolids **for free** at the treatment plant in any quantity, as long as supplies last.

There are many benefits and uses to our natural, organic fertilizer.

WHERE CAN I USE THIS FERTILIZER?



LAWNS



FLOWER GARDENS



VEGETABLE GARDENS



TREES & SHRUBS

FERTILIZER APPLICATION:

LAWNS:

Established Lawns: Apply at a rate of 25 lbs. per 1,000 sq. ft., as often as every three months. Recommended application times are once in Spring and once in Fall.

New Lawns: Apply 50 lbs. per 1,000 sq. ft. to the soil and rake in. Apply the seed. Eight weeks after germination, follow 'established lawns' recommendation.

New Sod: Apply 50 lbs. per 1,000 sq. ft. to soil before laying sod. Top-dress over sod area an additional 25 lbs. per 1,000 sq. ft. Apply thereafter according to 'established lawns' recommendation.

FLOWER BEDS:

Perennials: Apply 7.5 lbs. (1 gallon) per 100 sq. ft. in the spring and work into the soil.

Annuals: Apply about 7.5 lbs. in the spring or 6 lbs. in the summer per 100 sq. ft. before planting. The product may be reapplied at an approximate rate of 6 lbs. per 100 sq. ft. every three months.

FRUIT & VEGETABLE GARDENS:

General Gardens: Rototill or work 7.5 lbs. (1 gallon) per 100 sq. ft. into the soil prior to planting. Halfway through growing season, work same amount into the soil between plant rows.

Strawberries First Year: Apply 1.5 lbs. (3 cups) per 100 sq. ft. when plants begin to form runners. Reapply when buds appear.

Strawberries Bearing Years: If plants do not show vigor, apply 9 lbs. per 100 sq. ft. in spring. Otherwise, apply 2 lbs. after harvest and in early August. Do not fertilize after Labor Day.

SHRUBS:

Established shrub beds: Apply at a rate of 7.5 lbs. per 100 sq. ft. or for individual shrubs, apply 1.5 lbs. (3 cups) per shrub in the root area.

Transplanting Shrubs: Mix 1 lb. (2 cups) per foot of shrub height into the soil at the bottom of the hole before inserting the shrub. About three months later, 6 lbs. can be applied and raked not the topsoil surrounding the shrub.

Fruiting Shrubs and Trees: 1.5 lbs. (3 cup) per tree per year of age. Do not apply more than 40lbs. per tree per year. 1 application a year is sufficient for good fruit yield.

TREES:

Established Trees: 7.5 lbs. per inch of trunk diameter may be poured into holes 1" wide by 12-15" deep spaced 2 feet apart along the drip line of the tree. In the case of deciduous trees, extend the holes a few feet beyond the drip line.

Transplanting Trees: Loosely mix 0.75 lbs. (1.5 cups) per foot of tree height at the bottom of the hole before inserting the tree. About 2 months later, hand spread the same amount slightly past the drip line. If area under the tree is lawn, follow application rate for established lawns.



HANDLING INSTRUCTIONS:

Handle Fertile Fuel safely just as you would with any other fertilizer. Here are a few tips for safe handling:

- ✓ Avoid breathing dust
- ✓ Wash skin after handling
- ✓ Keep out of reach of children and pets
- ✓ Securely cover when transporting in open trucks or containers
- ✓ Consider wearing eye protection and a dust mask when using
- ✓ Ensure stored product is kept dry. Bulk-stored product may self-generate heat if allowed to become moist.

BONUS TIP:

Avoid contamination of waterways by not storing or applying this product where ground is frozen, snow-covered, or subject to flooding or run-off.

The Nitrogen, Phosphorus & Potassium Concentrations are on an as received basis. Based on the average analysis conducted in 2018, on the dried product at 93% total solids this would be:

VOLUME TO WEIGHT

2 cups = 1 lb
1 gal = 7.5 lbs
5 gal = 37 lbs
1 cu ft = 55 lbs
1 cu yd = 1,500 lbs
1.33 yds = 1 ton
1.5 yds = 1.1 ton

WEIGHT/VOLUME TO TOTAL NITROGEN EQUIVALENTS

25 lbs = 1 lb N
125 lbs = 5 lbs N
1 cu yd = 60 lbs N
1.25 ton = 100 lbs N

Guaranteed Analysis 3-3-0