

Langley Class A Biosolids Compost

LANGLEY:

- We have been composting year round since 2007. We believe in the benefits of recycling biosolids. We turn waste to resource.

CLASS A:

- Requirements set by Washington State Department of Ecology. Langley is permitted by the state to compost biosolids.

BIOSOLIDS:

- Nutrient-rich organic solids that result from treating wastewater

COMPOST:

- A mixture of organic residues such as decomposed vegetation, manure, etc, used as a fertilizer

It starts with you and this is how we make our compost!



City Staff uses a belt filter press to squeeze the biosolids from the water.

The water goes back to the plant for further treatment and is discharged into Saratoga passage.

The biosolids are pre-mixed with ground yard waste.

We mix approximately 3 parts ground yard waste to 1 part biosolids.



After enough premix accumulates we remix the pile and place on air manifolds. The pile is capped with finished compost. Finished Compost has already met the Class A requirements.

Air is pushed through the pile accelerating the natural decomposition process. This composting process kills pathogens with high temperatures

over a specified amount of time. Each section of the pile is monitored daily and temperatures are recorded.



When the desired temperatures have sustained for the regulated amount of time we take samples throughout the pile. These samples are sent to an independent lab to be analyzed. Laboratory analyses show that the amount of trace metals in our compost is extremely low compared to quality limits set by Washington State. When desired results are received from the lab the pile is moved to our front storage area to cure for thirty days. It is now finished compost and is released to the public!



ADDITIONAL BENEFITS OF BIOSOLIDS COMPOST:

- **Moisture retention** protects plants during drought, and allows you to water less!
- **Promotes growth** nutrient rich soil stimulates healthy growth.
- **Aerates soil** which promotes healthy root systems.
- **Promotes microbial diversity** which leads to healthy soil.

RECOMMENDED USES:

As a soil conditioner:

- Loosen existing soil; spread compost 1 - 3 inches deep on the area you will be planting, then till or spade into soil.
- For individual planning of your shrubs and trees, mix 50/50 with existing soil.

As a lawn conditioner:

- Spread up to 1 inch of compost over our lawn in early spring or fall.

LINKS TO OUR FAVORITES:

<http://kingcounty.gov/biosolids/>

www.NWBiosolids.org

www.compostwashington.org/images/forms/compostguide.pdf

www.puyallup.wsu.edu/soilmgmt

www.kingcounty.gov/environment/wtd/Education/ThingsYouCanDo/HowtoGetRid.aspx

CONTACT US FOR QUESTIONS, TO TOUR THE FACILITY OR JUST TO
TELL US WHAT YOU GREW!

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