



## FallsGro

### Soil Nutrients from Snoqualmie

#### Application Guidelines

Exceptional Quality Biosolids, approved by the Washington State Department of Ecology can be used as a nutrient rich soil amendment for the home gardener or landscaper. It should be used according to agronomic loading rates specific for each particular site and use. The agronomic rate is best determined by contact with local horticulturalists, county extension agencies and area fertilizer providers and users. The rate will vary for different uses and areas. Below is a general guide for typical heat dried biosolids application at 5% nitrogen:

- As a top dressing use 25 pounds per 1,000 square feet
- As a shrubbery food, use one cup for small bushes, two for medium sized plant.
- As a potted plant food, use a handful for each medium sized plant.
- For new seeded lawns and sod applications use a little less than the top dressing rate (about 20 pounds per 1,000 square feet).
- To restore old and worked out gardens-work 10-20 pounds per 100 square feet into the top several inches of the soil. This will replace chemical fertilizers.
- Trees – use 2 pounds per inch of diameter spread evenly out to the drip line (the “shade” at noon).

**Nutrient Levels:**      6.0% Nitrogen      2.0% Phosphorus      0.5% Potassium

#### Handling

Heat dried biosolids, when dried to 90% solids are stable. When put on the soil, the millions of microbes in the soil will take over the nutrient incorporation chemistry and allow the plants growing in the soil to use the nutrients efficiently. This process significantly reduces any odor generation from the biosolids once they are re-wet. The soil microbes rapidly predominate and air borne spoil odor forming bacteria will not linger. This is because the soils bacteria are plentiful, already acclimated and able to quickly cover the surface area of the dried biosolids.

The dried biosolids will become difficult to handle in bulk when they are re-wetted. For this reason, dried biosolids should be kept dry until use. The dry biosolids should then be put down on the ground or mixed with a soil to be used immediately, in both cases at the correct agronomic rate.

For more information or free refills of product, contact City of Snoqualmie at 425 888-4153