

SmartBOD

A Smarter Carbon Source for Wastewater



SmartBOD is an advanced carbon source that provides the building blocks of biological life. This product offers a cost-effective solution for chronic issues related to low food, and flows that are lower than plant design. SmartBOD contains bioavailable amino acids, complex proteins, carbohydrates, and micronutrients that bacteria in biological wastewater processes require in order to build floc and effectively remove nutrients.

Wastewater plants fed with SmartBOD have better settling properties and produce clearer effluent than plants fed with other carbon supplements. And plants with a history of low F:M filaments like Type 1851 and Type 0041/0675 become less prone to filament outbreaks.



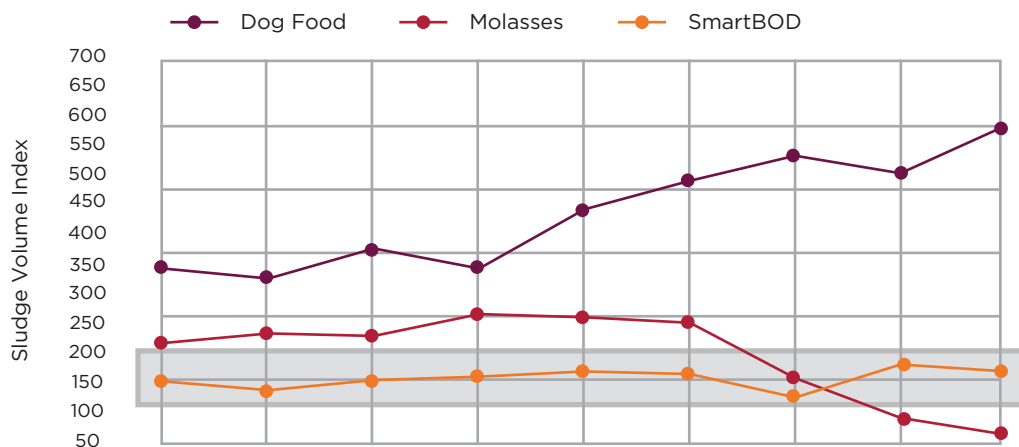
Perfectly Balanced Nutrient Profile

Proven to Outperform
Glycerin and Dog Food

Helps New Plants
Start Up

Figure 2:

Sludge Volume Index, as measured by researchers at University of Wisconsin - Stevens Point



*Ask your Technical Rep for a copy of the full independent study.

Impact of Sludge Volume Index with various carbon supplements.

100-200 is considered ideal settling properties.



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Dose Rates

SmartBOD



Available Size - Dry:

- 50 lb Bag, Bulk

Available Size - Liquid:

- 2.5 Gallon
- 55 Gallon
- 275 Gallon

SmartBOD Dosing:

- Add daily, directly to aeration basin
- Contact an Aquafix Technical Rep for a custom dose based on your incoming BOD

Dry Standard Dose - Improve Settling, Get Rid of Filaments

Water Temperature Above 59° F (15° C)

30 lb per 1 MGD, once per day

Water Temperature Below 59° F (15° C)

15 lb per 1 MGD, once per day

Dry Super Dose - To Quickly Grow New Mixed Liquor

New Plant Startup or Severely Low F:M

50-100 lb per 1 MGD, once per day

Liquid Standard Dose - Improve Settling, Get Rid of Filaments

Water Temperature Above 59° F (15° C)

6 Gallons per 1 MGD, once per day

Water Temperature Below 59° F (15° C)

3 Gallons per 1 MGD, once per day

Liquid Super Dose - To Quickly Grow New Mixed Liquor

New Plant Startup or Severely Low F:M

10-20 Gallons per 1 MGD, once per day

Notes:

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