



# AquaGuard Organix

*Stormwater Clarification*

Purity and performance come first.

## BENEFITS

- *All-natural*
- *Extremely low toxicity*
- *Economical*
- *Superior environmental friendliness*
- *NOEC greater than 10,000 mg/L*
- *Works over a wide range of soils*

Sediment laden stormwater runoff is known to have a significance impact on surface water quality, mainly from pollutants such as phosphorus, heavy metals and organic compounds from silts picked up by runoff from the disturbed soils of construction sites. The most cost-effective systems for treatment include a combination of chemicals and separation equipment. The right chemical treatment will not only improve treated water quality, but will also minimize the size and cost of the separation equipment. AquaGuard Organix is the first stormwater clarifier that exhibits the lowest eco-toxicity levels than any other product on the market. Typical treatment products such as Chitosan are known to exhibit inconsistent performance and difficult residual testing along with less than desirable toxicology. By combining both coagulant and flocculant properties, AquaGuard Organix has the ability to produce extremely low turbidity in the clarified water and to create very dense solids that settle much faster or filter out more efficiently.



[www.terranovo.com/storm](http://www.terranovo.com/storm)

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## Application Rates & Techniques

### APPLICATION

As with all stormwater treatment systems, the application rates of AquaGuard Organix are entirely relational to the amount of suspended solids in the stormwater. Jar testing is recommended before any application to give the operator a sense of the needed feed rates.

The graph below is a guideline to our field experience and should be used as such, as each application will differ.

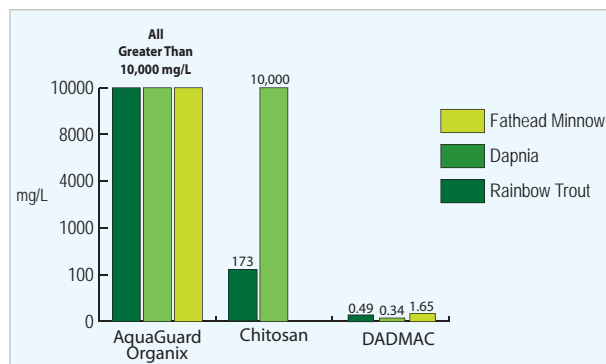
Influent Turbidity (NTU)	Treatment (ppm)	Gallons of AquaGuard Organix / 1,000 gallons water
1200	650	5.40 gal
700	500	4.17 gal
500	350	2.90 gal

The application of AquaGuard Organix and the resulting performance duplicates or exceeds existing products on the market. The reason for this is its ability to flash transfer positive charge sites to negatively charged particulates in the water and negativity charged filter media. This fleeting charge transfer is the functionality that reduces the toxicology of AquaGuard Organix to levels that are almost non-existent.

Application of AquaGuard Organix is consistent with the application styles of other products on the market today. There is no special equipment necessary to handle or feed AquaGuard Organix.

A very specific and easy to run field test has been developed to check for residual AquaGuard Organix in the effluent water from the treatment site. Unlike some of the other field tests, this is easily run with two reagents and a beaker. It has a definite color change end-point that leaves no doubt as to how much or how little AquaGuard Organix is remaining.

### ECO-TOXICITY COMPARISON



For a free analysis of your stormwater, please send a sample to:

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### ABOUT US

Terra Novo is dedicated to helping the Storm Water and Erosion Control industry comply with strict Federal Clean Water regulations. We provide cost-effective Best Management Practice solutions that more and more erosion control and storm water specialists are turning to. Our engineers and chemists pride themselves by maintaining a hands on approach to solving site-specific problems. We have developed product lines for erosion control, dust control and storm water run-off with the end user in mind. All of our products are highly effective, extremely affordable, and environmentally friendly.

For technical services or to locate your nearest AquaGuard Organix dealer, call 1-888-843-1029 or visit us online at [www.terranovo.com](http://www.terranovo.com).