

## VitaStim Nitrifier and Ammonia Assimilator Dosage Rates and Tips

The dosage suggestions below are for each product, whether they are used together or separately

<b><u>100,000 GPD</u></b>			
<b>Below 60°F (15.6°C)</b>			
<u>Day 1-10</u>	36 oz/day*		
<b>60°-72°F (15.6°-22.2°C)</b>			
<u>Day 1-4</u>	12 oz/day	<u>Day 5-10</u>	1.2 oz (40ml)/day
<b>Above 72°F (22.2°C)</b>			
<u>Day 1</u>	12 oz/day	<u>Day 2-10</u>	1.2 oz (40ml)/day

<b><u>1 Million GPD</u></b>			
<b>Below 60°F (15.6°C)</b>			
<u>Day 1-10</u>	3 gal/day*		
<b>60°-72°F (15.6°-22.2°C)</b>			
<u>Day 1-4</u>	1 gal/day	<u>Day 5-10</u>	12 oz/day
<b>Above 72°F (22.2°C)</b>			
<u>Day 1</u>	1 gal/day	<u>Day 2-10</u>	12 oz/day

\*When the water temperature is below 60°F (15.6°C), the reproduction time of the nitrifiers can take up to 7-10 days. In these situations we often continue the treatment for an additional 10 days.

### How Our Nitrifiers Work

- VitaStim Nitrifiers use carbonate alkalinity as their food source and high BOD (500-15,000 ppm) interferes with their ability to oxidize ammonia. VitaStim Nitrifiers are strict aerobes
- VitaStim Ammonia Assimilators utilize BOD and ammonia both. They work from dissolved oxygen of 0.1 ppm and up
- For D.O. reading of less than 1 ppm, we recommend using both VitaStim Nitrifiers and VitaStim Ammonia Assimilators

### Tips

- For wastewater plants with a history of inconsistent readings; the maintenance dose may be on going while the problem persists
- For wastewater plants with toxicity issues; both VitaStim Nitrifiers and VitaStim Assimilators should be used. Visit our website for a reference of potential toxic substances (<http://www.teamaquafix.com/solutions/seven-steps-to-nitrification/>)
- For some plants a longer sludge age may be helpful
- Adding nitrifiers will never hurt a process
- Store these products in a refrigerator in between uses