



Suggested Remedies
Aqua Xtreme Conditioner
Microbe-Lift PL
Aquatic plants
Water changes

WATER QUALITY – NITRATE

Nitrate is the third stage in the Nitrogen cycle. Fish produce ammonia, which then converts to nitrite and then nitrate via Nitrosomonas and Nitrobacter bacteria. In a new fish pond, nitrate levels will spike within a month or two, and they should then subside through good, adequate biological filtration. MICROBE-LIFT PL can be used to jump start the nitrogen cycle and help reduce toxic nitrate levels quicker.

In an established system, nitrate levels will spike when the system has a fish load too large for the filtration system to handle or when there are a lot of decaying organics (leaves, food) left on the bottom to rot. Frequent water changes, MICROBE-LIFT PL, and GOOD PLANT COVERAGE will help bring down high nitrate levels. Plants and velvet algae absorb nitrates. Chronic exposure to higher than normal nitrate levels is detrimental to fish and must be taken care of immediately. Fish will be lethargic and have reddened fins.