



*Aqua Growers presents:*

# *Growing Your Dream 3-Day Aquaponics Basic Technology Seminar*



**Date:** March 7-9 2014

**Early Registration ....\$600**

**\$100 Deposit Now to  
reserve your seat**

**Balance due by 1/20/14  
After 1/20/14 \$700**

**Students: 35% discount**

**Multiple Discounts from  
same company/household  
are also Available –See  
Registration Form**

**To Register Contact  
Michele Wallace at  
248-756-8584**

**[michele@aquagrowers.com](mailto:michele@aquagrowers.com)**

Join us and attend the **“Growing Your Dream” Aquaponics Basic Technology Seminar** **March 7-9, 2014**, emphasizing the basic implementation of your own Aquaponics System, with information on starting a commercial system. Topics include: Status of Aquaponics, Guidelines, Water Quality, Lighting, Pest Management, Tilapia Production, Plant Production, UVI System Design & Management and more. A presentation on the construction of our Urban Aquaponics farm and breakout sessions will be included on plants & fish in your course (see agenda for more information). A tour of our facility with hands-on participation is a supplement to your classroom education.

**Aqua Growers, LLC** is an Urban Aquaponics Farm & a State Licensed Aquaculture Facility consisting of 1,056 sq. ft. of raft style grow beds, media beds, & fish tanks for breeding, fingerling rearing & grow-out of tilapia, located within a warehouse in Livonia, MI. We are dedicated to local, sustainable, & nutritious food production & to educate the community as well. Aqua Growers uses innovative raft design sizes to maximize production & incorporates creative engineering, lighting, & numerous energy saving elements. You don't want to miss this seminar! We look forward to having you join us! Vendors will also be on hand!

**With Charlie Shultz**  
Formerly of University  
of Virgin Islands

**Presented By:**  
**Jim Gill, President**  
**Ken Chio, CFO**  
Aqua Growers

**Location:**  
12089 Merriman Rd  
Livonia, MI 48150  
**Airport:**  
Detroit Metro Airport  
(within 15 miles)

**Bio of Mr. Charlie Shultz:** Mr. Shultz earned two B.S. degrees, Biology and Fisheries Science, from Virginia Polytechnic Institute and State University in 1996. He has recently completed his graduate coursework and research on indoor lighting options for aquaponic food production and is expected soon to receive his M.S. degree in aquaculture from Kentucky State University. Mr. Shultz worked as a tilapia broodstock manager & laboratory technician at the Virginia Tech Aquaculture Center & as an aquaculture research analyst for 14 years at the University of the Virgin Islands (UVI) Agricultural Experiment Station where he specialized in Tilapia production in Aquaponic and Biofloc culture systems. Currently, Charlie serves as the Aquaponics Researcher at Lethbridge College in Southern Alberta, Canada. He authored or co-authored more than 20 papers (journal articles, publications in conference proceedings and popular articles) and has given more than 50 presentations at conferences and workshops across the U.S., throughout the Caribbean, and many other countries including Mexico, Singapore, New Zealand and United Arab Emirates. Mr. Shultz co-taught the UVI International Tilapia Aquaculture and Aquaponics Course 14 times and has co-taught intensive short courses in Puerto Rico, Arizona, Michigan, Tennessee, North Carolina, Singapore, Ontario, Alberta and British Columbia. Since 2006, he has served as an independent inspector for USDA organic certification (crop production).





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## *Agenda*

- Welcome and Introductions*
- Status of Aquaponics*
- Guidelines for Aquaponics*
- Aqua Growers Introduction & Presentation on Construction*
- Tour of Facility*
- Water Quality – Breakout Session (various water quality & pH Testing)*
- Lighting Technology*
- Integrated Pest Technology*
- Tilapia Production*
- Plant Production (breakout session seeding, media, seedlings, transplanting, harvesting)*
- UVI System Design & Management*
- Breakout Session Fish (anatomy, sexing, feeding breeding, fingerlings, grow out, harvesting)*
- Fish Production*
- Final Tour of Facility & Questions*
- Vendors*



To Register:  
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[michele@aquagrowers.com](mailto:michele@aquagrowers.com)  
(248) 756-8584



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## *Lodging Information*



### **Hotels Close to Training/Seminar Facility:**

Quality Inn & Suites Banquet Center  
30375 Plymouth Road  
Livonia, Michigan  
734-261-6800

Comfort Inn & Suites  
29235 Buckingham Street  
Livonia, Michigan  
734-458-7111

### **Hotels Close to Detroit Metro Airport:**

Days Inn Metropolitan Airport  
9501 Middlebelt Road  
Romulus, Michigan  
734-946-4300

Four Points by Sheraton Metropolitan Airport  
8800 Wickham Rd  
Romulus, Michigan  
734-729-9000

Comfort Inn Metropolitan Airport  
31800 Wick Road  
Romulus, Michigan  
734-326-2100



**Aqua Growers, LLC**

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