

Solve your problems

- Low yields
- Nutrient deficiencies
- High nutrient costs
- Inconsistent results



Services

- Hourly consultation
- Nutrient solution design
- Growing setup optimization
- Custom crop monitoring automation

My Blog

Through my blog – a top 50 hydroponics blog according to feedspot – I share my insights, research and experience in hydroponic culture. I strive to make this blog a reliable source of high quality, practical information for both commercial hydroponic growers and hobbyists alike. These are some of the blog's most popular posts:

- Preparing Your Own Hydroponic Nutrients : A Complete Guide for Beginners
- A guide to different pH down options in hydroponics
- Five tips to succeed when doing Kratky hydroponics
- How to prepare pH 4 and 7 buffers from scratch without using a pH meter
- Using coco coir in hydroponics–

Welcome to my site!

My name is Dr. Daniel Fernandez, and I have been a consultant in the hydroponic industry since 2009. I specialize in nutrient formulations, crop management, and automation, providing tailored solutions to optimize growers' results. I hold a bachelor's degree in chemistry, as well as a master's and Ph.D. in nanoscience and nanotechnology. With over 15 years of experience in nutrient solution chemistry and crop management, I am dedicated to helping you elevate your crop production to the next level.

Our services

I provide different types of services to suite your particular needs.

I understand that not everyone needs the same type of assistance and I have therefore designed three specific type of services depending on your needs .

- An hourly consultation service where you can ask any questions and get answers to help you solve problems (250 USD/hour).
- A service for the formulation of a specific hydroponic nutrient recipe for your particular needs coupled with guidance in preparing this formulation.
- An on-going consultation service where you will have me available to answer questions and help guide you through your nutrient needs as your crop or hydroponic project progresses.

Hydrobuddy - Open source software for Nutrient Formulations

This site hosts HydroBuddy – a software I programmed – which is the most popularly used open source calculator for the formulation of hydroponic nutrient solutions and fertilizers. This software has been helping hobby and commercial growers prepare their own fertilizer formulations from 2011 with more than 10 thousands downloads in its lifetime. There are also many peer reviewed academic publications that have used hydrobuddy. Feel free to use or modify this software for your nutrient preparation needs. It's free and OpenSource! Get the software here.

Latest blog posts