

PRIME HYDROPONIC – PURCELLVILLE, VA

Job Title: Microgreen Production Manager Assistant

About Prime Hydroponic: Prime Hydroponic is a rising leader in sustainable agriculture, specializing in hydroponic cultivation of high-quality microgreens and other specialty crops. We are committed to providing fresh, nutritious, and locally grown produce to our community while minimizing environmental impact. We are seeking a passionate and experienced individual to assist the lead grower in our microgreen production operations.

Job Summary: The Microgreen Production Manager Assistant will be responsible for overseeing all aspects of microgreen cultivation within our hydroponic facility, from seeding to harvest and packaging. This role requires a deep understanding of hydroponic growing systems, plant physiology, pest and disease management, and a commitment to producing consistent, high-quality microgreens. The ideal candidate will be a hands-on leader, meticulous, and dedicated to optimizing production efficiency and yield.

Key Responsibilities:

- **Production Oversight:**
 - Manage the entire microgreen production cycle, including seeding, germination, watering, nutrient delivery, environmental control, harvesting, and packaging.
 - Develop and implement efficient production schedules to meet demand and optimize growing space utilization.
 - Monitor crop health daily, identifying and addressing any issues related to nutrient deficiencies, pests, or diseases promptly.
 - Ensure consistent product quality, appearance, and shelf life according to company standards.
- **System Management:**
 - Operate and maintain hydroponic growing systems, including nutrient delivery systems, environmental controls (temperature, humidity, CO₂, lighting), and irrigation.

- Calibrate and maintain pH and EC levels in nutrient solutions.
 - Troubleshoot and resolve minor mechanical or system issues.
- **Team Leadership & Training:**
 - Supervise, train, and mentor a team of production technicians/growers.
 - Foster a positive and productive work environment.
 - Conduct performance reviews and provide ongoing feedback.
- **Inventory & Supply Chain:**
 - Manage inventory of seeds, growing media, nutrients, packaging materials, and other production supplies.
 - Coordinate with suppliers to ensure timely delivery of necessary materials.
 - Track and report on material usage and waste.
- **Quality Control & Food Safety:**
 - Implement and enforce strict quality control protocols throughout the production process.
 - Ensure compliance with all food safety regulations (e.g., GAP, HACCP principles if applicable) and company standards.
 - Maintain a clean and organized grow environment.
- **Data Collection & Analysis:**
 - Maintain accurate records of production data, including yields, growth rates, environmental parameters, and resource consumption.
 - Analyze data to identify trends, optimize growing practices, and improve efficiency.
- **Research & Development:**
 - Stay current with industry best practices, new technologies, and research in hydroponic microgreen cultivation.
 - Contribute to R&D efforts aimed at improving crop varieties, growing methods, and system efficiency.
- **Cleaning:**

- Responsible for cleaning equipment, tools and growing materials and keep the growing facility in a clean environment.

Safety:

- Adhere to and enforce all company safety policies and procedures.

Qualifications:

- Bachelor's degree in Horticulture, Agronomy, Plant Science, or a related field (or equivalent practical experience).
- 3+ years of experience in commercial hydroponic crop production, with a significant focus on microgreens.
- Proven experience managing a team in a production environment.
- Strong understanding of plant physiology, nutrient management, pest and disease identification and control in hydroponic systems.
- Familiarity with environmental control systems (HVAC, lighting, CO2 dosing).
- Excellent problem-solving skills and attention to detail.
- Ability to work independently and as part of a team.
- Strong organizational and communication skills (written and verbal).
- Proficiency in using Microsoft Office Suite (Excel, Word).
- Ability to lift up to 50 lbs and stand/walk for extended periods.
- Flexibility to work occasional weekends or evenings as needed.

Preferred Qualifications:

- Experience with specific hydroponic systems relevant to microgreen production (e.g., ebb and flow, NFT, vertical farms).
- Knowledge of Lean Manufacturing or other continuous improvement methodologies.
- Experience with agricultural software or farm management systems.

Feel free to reach out to: davidklauer@primehydroponic.com with questions or if you want to apply.