Bowery
Crop Scientist
Kearny NJ/New York NY

Overview
Bowery is growing food for a better future by revolutionizing agriculture. Our modern farming company combines the benefits of the best local farms with advances made possible by technology to grow post-organic produce you can feel good about eating. BoweryOS, our proprietary software system, uses vision systems, automation technology, and machine learning to monitor plants and all the variables that drive their growth 24/7. Because we control the entire process from seed to store, Bowery farms use zero pesticides, 95% less water, and are 100+ times more productive on the same footprint of land than traditional agriculture. Bowery produce is currently available at select Whole Foods and Foragers stores in the Tristate area, and featured on the menus of Tom Colicchio’s New York restaurants Craft and Fowler & Wells. Based in New York City, the company has raised $27.5M from leading investors including General Catalyst, GGV Capital, GV (formerly Google Ventures) and First Round Capital.

The Role
Bowery is seeking an experienced Crop Scientist to focus on crop yield with our Agricultural Sciences Team. You will design and carry out experiments to significantly increase crop yield for leafy greens and other crops produced at Bowery’s farms. You will design and manage ongoing experiments, analyze data, present results, and guide key business decisions that come from the continuous yield testing that we perform at Bowery. You will also provide input around crop variety trials, the development of Bowery’s proprietary BoweryOS software, and the overall direction of our yield-focused Agricultural Sciences Team. You will report to the Head of Agricultural Sciences and the role will be based primarily in Kearny, NJ.

What you will do at Bowery
• You will find new ways to increase yield, taking the best of existing theory and practices and merging it with new breakthroughs made possible by Bowery’s unique growing system and software capabilities.

• You will tackle highly operational plant science problems like improving yield stability, flavor, texture, and nutritional qualities, as well as pursue longer-term research into new high-yielding plant varieties, and novel growing methods.

• You will develop approaches that allow Bowery to conduct deep and meaningful crop yield research with high agility and flexibility, and put them to use across our current and future farms.

• You will work closely with systems engineers, data scientists, software developers, in-farm horticulturalists, operations teams, and business managers to tackle multidisciplinary problems.

• You will cultivate and maintain strong relationships across academia and global indoor agricultural communities.

Who you are
• You have at least a Masters degree with 3+ years post-degree experience in yield improvement and plant physiology. Preferably, your degree is in Horticulture, Crop Science, Plant Science, plant physiology, controlled environment agriculture, or a closely related subject.

• You have experience with applied research, controlled-environment agriculture, and/or hydroponics.

• You have a solid command of the theory behind crop yield, plant physiology and growth, and can translate that theory into applied research.

• You have a “second-nature” understanding of The Scientific Method, hypothesis testing, experimental data analytics, and relevant statistics for yield improvement research.
• You know how to build a business case, can speak fluently about the costs and benefits of the work you have done, and can easily distinguish “needs” from “wants” when it comes to desired resources.

• You are able to intuitively assess crop yield issues that might arise, come up with tests to confirm root causes, and roll out changes once your hunch is validated.

• You are a capable science mentor that inspires co-workers towards high performance.

• You are an excellent oral and written communicator who easily shifts between technical discussions and layman’s terms.

• You believe that teams succeed and fail together and take responsibility for ensuring the success and satisfaction of your teammates.

• You believe a better future is possible, set big bold research goals, get focused quickly, and take your work seriously.

• You say hello when you walk in the door.