



Botanist (Horticulture)

Location: Demonstration Site, Hayes, London, UB3 3NW

The Company

3D Agriculture, a UK impact company founded in 2021, is combatting food insecurity and climate change through a rapid global rollout of thousands of vertical farms. 3D Agriculture develops and operates the most versatile, lowest cost vertical farms on the market. These grow both mushrooms and plants from the same platform, and an order of magnitude less per unit of production than the best vertical farms out there. 3D Agriculture has developed a farm that is deployable even in developing countries, where subpar logistics infrastructure creates high barriers to entry.

NOTE: If you don't match the qualifications, skills and experience, but want to help, we could offer you an internship related to this position! So please apply if this position interests you!

Responsibilities

- Analyse yield and quality in our farms, troubleshoot crop issues and diagnose health, damage or quality issues (eg: plant discoloration, wilting, growth plateauing, spindly plants, poor root development, germination inconsistency, poor plant health)
- Improve growing recipes and farm operation to enhance safety, quality, traceability, accessibility
- Complete root cause analysis of any issues using data and develop action plans for operations team to execute
- Monitor and contribute to pest and disease management programs
- Continually test and revise cultivation practices and products in partnership with R&D and operations teams
- Advise in procurement of new LEDs for the plants
- Provide a botanical/plant science feedback loop to anchor engineering development to practical needs of the plants
- Document standard cultivation practices in SOPs and provide training for Farm Operators

Basic Qualifications

- Experience in Plant physiology, horticultural, or plant science knowledge and experiment
- Understanding of plant production systems in greenhouses and growth chambers
- Have experience with basic water chemistry and nutrient management
- Experience supporting a product from conception to production

Preferred Skills and Experience

- You can work independently in a highly collaborative team environment
- You have the versatility to collaborate with individuals at all levels and across various functions
- You're a poised multi-tasker who thrives in a fast-paced environment with way too much stuff to do
- Self-motivated with strong multi-tasking, organizational, communication and documentation skills
- Strong sense of accountability and integrity with excellent written and verbal communication skills
- Ability to work in a fast paced, autonomously driven, and demanding atmosphere

Salary

- £1,600 – 2,000/month depending on skills and experience
- If applying for an internship, remuneration will be discussed following your interview

Perks

- Opportunities for very rapid career progression
- Ability to work up to 2 days per week from home (to be agreed upon after offer of employment)

Please either apply on the careers page of our website or at careers@3dagriculture.com directly