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Title: Supervisor of Technology and Precision Agriculture

Job Description

Responsible for the implementation and maintenance of technological tools on a large-scale cranberry farm. This includes software, such as a comprehensive production database, GIS programs, and statistical analysis programs; as well as hardware, including remote climate-sensing units, remote pump irrigation systems, drones, and other mapping tools. This position supports the daily achievement of production goals through ensuring the proper functionality of these technologies. Also researches and proposes the use of new technology.

Duties and Responsibilities

- Direct, operate, and maintain all information systems, infrastructure, and data-processing tools used within the organization
- Facilitate the use of precision agriculture and artificial intelligence that identifies and recommends solutions to growing issues
- Execute statistical analyses based on data collected
- Analyze data, seeking trends and relationships that lead to a recommendation that increases yields
- Create and facilitate new reporting capabilities that will help managers in their decision-making
- Seek, develop, and implement new technologies
- Assist in developing our custom GIS database, and actively participate in capturing, analyzing, and displaying data
- Operate and program logic control units and radios. Troubleshoot and repair electrical and mechanical equipment
- Diagnose and fix system controls and software issues

Qualifications and Experience

- BA or BS in technology or related field, or equivalent experience
- GIS technician level experience; solid understanding of spatial data concepts and mapping techniques
- Experience with Arcview, MS Access, and GPS
- Database development and report writing skills
- Network administration ability
- Project management ability
- Familiarity with PLC and computer equipment
- Strong verbal and written communication skills
- High degree of professionalism and confidentiality
- Analytical and detail-oriented
- Proficiency in Microsoft Office and related software programs
- Ability to multi-task and meet deadlines