

## Agricultural Scientist

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Company: Land IQ

Location: Sacramento

Category: other-general

Land IQ has an opening for an Agricultural Scientist in its Sacramento, California office. The successful candidate will be responsible for working with our agricultural and environmental teams as well as our geospatial and development team comprised of remote sensing/GIS specialists, data scientists, and web-based developers. Applicants must have strong fundamentals in western cropping systems, salinity and irrigation management, soil science and geographic information systems (GIS). A strong knowledge in field sampling methods and data analysis is required. The applicant must also have excellent communication skills, and a demonstrated ability to manage multiple tasks, perform work on-time and within budget resources. A strong work ethic for both field and office-based tasks is imperative. General knowledge of geospatial analysis is a plus.

Join our multi-disciplinary team of professionals to develop innovative approaches for our varied client base.

### **Primary Responsibilities:**

Work in a team environment on a wide range of projects, supporting our team of scientists, remote sensing analysts, and GIS analysts

Communicate and document work in an organized and methodical fashion

Collect, manage, and manipulate large geospatial datasets with various GPS/GIS tools

Collect, analyze, and develop summary reports and figures for soil, water, and plant samples

Integrate soil, water, and plant sample data into a spatial framework

Install, monitor, and maintain an array of environmental monitoring equipment (soil, water and atmospheric)

Provide basic geospatial analysis support and map making

Resourcefully seek, prepare, and/or create spatial and non-spatial environmental data

Provide QA/QC of spatial products (field boundaries, crop classifications, etc.)

### **Required Qualifications**

**Education:** BS/MS in an Agriculture related Science, Agronomy, Crops, Soils, or related Natural Resources field (advanced degree preferred)

**Experience:** 1 – 5 years (consulting or agricultural production experience preferred)

### **Required Technical Competencies**

Understand basic soil/plant/water interactions

Nutrient management and associated approaches and challenges

Soil physical and chemical interactions

Basic understanding of the agricultural and environmental regulatory environment in California as it pertains to the agricultural industry

Understanding of western irrigation systems and agricultural water management

### **Required Software Application Skills**

Firm grasp of the Microsoft Office Suite (specifically Excel & Access)

Experience with Esri ArcGIS suite (ArcGIS Pro)

Strong statistics and data science experience

### **Preferred Qualifications/Certifications**

Certified Crop Adviser (CCA), Certified Professional Agronomist (CPAg), Certified Professional Soil Scientist (CPSS), or intent to obtain any of the above

Experience working with growers and agricultural interest groups in solving complex production challenges

### **Professional Skills**

Positive/enthusiastic attitude, passionate about professional pursuits, strong organizational skills, communication and writing skills, personable, ability and desire to learn, attention to detail, strong QA/QC experience, always looking for new solutions and opportunities, enthusiastic about collaborating with, guiding, and mentoring team members to reach team and organizational goals.

### **Contact**

Land IQ specializes in providing solutions to challenging agricultural and environmental problems throughout the world. Our areas of expertise include soil science, water quality and demand evaluation and management, data science, agricultural systems, salinity and nutrient management, ecosystem restoration, geostatistics, remote sensing, geospatial analysis, and regulatory policy. Land IQ helps its clients develop objective, high value, scientifically sound, proactive solutions to their complex, large-scale land-based problems. Please visit our website for more information at [www.landiq.com](http://www.landiq.com).

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