

SePRO CORPORATION JOB DESCRIPTION

Job Title: *Aquatic Research Associate*
 Department Name: Research and Development
 Location: SePRO Research and Technology Campus; Whitakers, NC

JOB SUMMARY

The *Aquatic Research Associate* is responsible for conducting and supporting 1) research related to the management of aquatic weeds and algae at the SePRO Research and Technology Campus (SRTC) located in Whitakers, NC and 2) select field research and technical support in NC and adjacent states.

PRIMARY RESPONSIBILITIES

- 1) Work directly with Aquatic Research Managers to prioritize aquatic weed and algae research projects and develop research protocols.
- 2) Function as the primary investigator for internal aquatic weed and algae research. Activities include experimental design, treatment application, data collection, and data analysis. Work will allow refinement of current weed/algae control methods and experimental studies to identify new methods/technologies for future commercialization
- 3) Conduct small-scale field evaluations of new management techniques for aquatic weeds and algae in settings ranging from small ponds to large reservoirs. Activities will include identification and quantification of target and non-target plant species presence and abundance, collection of water, sediment or plant samples and geographical analysis of associated data.
- 4) Provide technical support to internal team and external managers on the optimal use of SePRO management solutions based on past/current R&D outcomes. Technical support will include field tours of managed sites to assess management outcomes. It will also include support of small-scale aquarium or mesocosm trials that characterize weed/algae responsiveness to current methods.
- 5) Collaborate with regional government or university scientists to validate / refine control methods.
- 6) Prepare research reports and present results at internal and external meetings.
- 7) Travel to external meetings for presentations or other technical exchange. Travel is anticipated to require short trips with 1 – 2 nights out, 1 or 2 times per month. Most travel will be in NC or adjacent states. Conferences or occasional field project may require travel to other states.
- 8) Assist with aquatic research facility and study pond maintenance.

KNOW-HOW

Technical and Functional Knowledge/Skill Abilities — Master of Science in a discipline related to Aquatic Ecology or Weed Science, and experience with applied research is preferred. The candidate should possess excellent critical thinking skills and an understanding the scientific method. The applicant should have good computer skills, including proficiency in Microsoft Excel, Word, and PowerPoint plus scientific statistics and graphing software. Candidate should also be able to calibrate and operate small field monitoring tools such as water quality meters. Boating experience is required and GPS/GIS experience is desired. Personal characteristics of initiative, drive, organization, and attention to detail are important.

Human Relations — The position requires good communication skills as there is continuous interaction with fellow researchers, customers, and business team members. The individual is required to present data; therefore, good written and oral communication skills are desired. The individual should possess the willingness to perform tasks outside of the primary job description. The employee should be diligent, independent and efficient with his/her time and be willing to work in a team first environment.

Salary is commensurate with experience.

Send resumes to:
 Mark Heilman, Ph.D.
 Director of Aquatic Research
 SePRO Corporation
 11550 N. Meridian St. #600
 Carmel, IN 46032
 markh@sepro.com