

GOALS

Our goal at Agro Engineering is to provide quality, comprehensive consulting services to the agricultural community with honesty and integrity, while promoting efficient stewardship of the earth's precious resources. We encourage continued active participation in building our community through volunteer activities and other contributions.



AGRO ENGINEERING, INC.

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AGRO ENGINEERING, INC.

SUMMER INTERNSHIP PROGRAM



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ABOUT US...

Since 1982, Agro Engineering has specialized in the transfer of sustainable agricultural and water resource technologies through its consulting services and training programs. Our interdisciplinary team of engineers, agronomists, entomologists and other experts provides a systems approach to analyzing and developing solutions to agricultural and water resource problems. We provide agronomic and water management services for 40,000 to 50,000 acres of cropland in Colorado's San Luis Valley each year. We employ 8 full-time professionals and 10 seasonal staff members who work almost exclusively in the San Luis Valley. Agro Engineering and our staff of engineers and agronomists are considered leading experts on plant nutrition, integrated pest management, crop water requirements and other irrigation and water resources issues in the upper Rio Grande River basin.



Irrigated Alfalfa Field

LOCATION...

The San Luis Valley is very unique in its geographic isolation, growing degree-days and climate. Being at an elevation of 7600 feet above sea level, 150 miles long and 50 miles across make it one of the largest alpine growing areas. It has the most concentrated amount of center pivot sprinkler irrigation systems in the world. There are over two-hundred center pivot irrigation systems. The major crops of the valley are potatoes, barley and alfalfa. The San Luis Valley potato growers produce the fourth largest



Aerial View of San Luis Valley

amount of potatoes in the United States. The Valley also produces high quality malting barley for the Coors Brewing CO.

QUALIFICATIONS...

Individuals must have a desire to learn about farming techniques of some of the major crops of Colorado. A strong work ethic is a must, since long, yet rewarding hours are involved. Individuals who are quick to learn new approaches, self-motivated, resourceful, and organized would do really well in this position. Knowledge of insects, pathogens and soils is helpful. Interns will be working with our full time staff members supporting them with irrigation water management, irrigation system design, water resources planning, soil fertility, plant nutrition, integrated pest management, tissue sampling, soil sampling and other related tasks.

JOB DESCRIPTION...

Responsibilities include scouting client's fields on a weekly basis for pest and disease issues, as well as measuring moisture levels of the soil to determine irrigation schedules. You will go along to meet with clients to discuss and recommend pesticide use and fertility management. Interns are our main petiole tissue samplers. Petiole samples provide clients with useful fertility information for their crops. You will learn aspects of crop production of potatoes, barley, alfalfa and other various crops. You will also learn what it takes to work as a crop consultant in a professional atmosphere while being surrounded by the blue skies of the Rocky Mountains. Interns are able to foster working relationships with consultants and clients, as well as other industry players. Our internship program offers college students the opportunity to work in a professional atmosphere within their field of study.