

# PRECISION AGRICULTURE SPECIALIST

Precision agriculture specialists provide support and technical assistance to growers who are using precision technologies on their farms.

## WHAT RESPONSIBILITIES WILL I HAVE?

- Implement actual work of grid and contour differential global positioning systems for soil sampling, developing information maps, recommendation maps
- Implement variable rate application of lime and nutrients
- Implement practical application of record keeping and nutrient management plans
- Assist in marketing precision agriculture program to producers
- Network with local government and extension leaders concerning precision ag practices
- Participate in meetings within sales area which offer an opportunity for sales and improved public relations as approved by supervisor
- Provides technical service and recommendations to patrons and prospects based on proficient knowledge of fertilization calculation and other formulations
- Assist customers in installing and calibrating their precision equipment
- Provides training for other retail employees in precision ag
- Assists in handling customer concerns and complaints
- Interpret satellite remote sensing to identify and map field variability
- Prepare variable rate fertility, fungicide, and seeding maps for customers
- Prepare variable rate and flat rate fertility, fungicide, and seeding recommendations
- Using GPS and soil test zones, locate fields by legal land description and perform soil sampling duties in field
- Provide agronomic services in field using the scouting apps or software, including pre-seed, post-seed, fungicide, pre-harvest, post-harvest recommendations
- Understand and participate in the company or farmer's business plan and strategies



## WHAT EDUCATION & TRAINING IS REQUIRED?

Bachelor's degree in agricultural engineering, agronomy, or agribusiness is required; Certified Crop Adviser certification recommended

## THE FOLLOWING HIGH SCHOOL COURSES ARE RECOMMENDED...

Agricultural education, chemistry, biology, mathematics

## TYPICAL EMPLOYERS

Precision equipment and software providers, ag retailers, cooperatives, or even extension

## FUTURE JOB MARKET/OUTLOOK



## SUGGESTED PROFESSIONAL ORGANIZATIONS & ASSOCIATIONS

- International Society of Precision Agriculture
- Agricultural Retailers Association

## AVERAGE ANNUAL FULL-TIME SALARY

\$54,000