

# Precision Ag Specialist

Precision agriculture specialists provide support and technical assistance to growers who are using precision technologies on their farms. They implement actual work of grid and contour differential global positioning systems for soil sampling as well as developing informational and recommendation maps.

## *What responsibilities will I have?*

- Implement actual work of differential global positioning systems
- Create variable rate prescriptions for of lime, fertilizer, and seed
- Implement practical application of record keeping and nutrient management plans
- Assist in marketing a precision agriculture program to producers
- Network with local government and extension leaders to learn more about upcoming decisions that could affect producers and precision ag companies
- Participate in meetings within sales area; host meetings for producers to come learn about the products that are available
- Provide technical service and recommendations to patrons
- Assist customers in installing and calibrating their precision equipment
- Provide technology training on various precision ag softwares and platforms
- Assist in handling customer concerns and complaints
- Interpret satellite remote sensing to identify and map field variability
- Prepare fertility, fungicide, and seeding maps and recommendations
- Use GPS and soil test zones, locate fields and perform soil sampling duties in the field
- Provide agronomic services in field using scouting apps or software
- Soil sample fields including multiple depth sampling, sampling by geo-reference, and multiple site sampling in the event of changes in soil texture
- Gather, compile, analyze, and interpret test results and prepare progress reports

## *What education and training is necessary?*

A bachelor's degree in agricultural engineering, agronomy or agricultural business is required to become a precision ag specialist. Your crop advisor certification may also be required for certain positions.

## *What high school courses are recommended?*

Agriculture education, biology, chemistry, botany, earth science, mathematics, English, communications and business

## *Who are typical employers in agriculture?*

Precision equipment/software providers, agricultural retailers, cooperatives, universities or colleges, and extension offices

## *Other Titles and Roles:*

Technical sales professional, client success manager, crop production advisor, precision technology specialist, precision ag field manager