

Unit 3 - Application

Introduction

In this unit students will learn about precision liquid and granular application. The activities and assignments are designed to expose students to GPS enabled liquid and granular application with an emphasis on providing “hands on” exercises.

Objectives

In this unit students will:

- Identify the different types of application equipment found in agriculture.
- Describe how these application systems work.
- Explain how precision agriculture system integrates in it.
- Identify the capabilities of the of the precision ag components in application

Readings and Resources

- Unit 3 Application Outline
- Online Tutorials
- Links to online resources

Assignments

Complete:

- Readings
- Discussion 3
- Project 3
- Quiz 2

Please complete the activities below. If you have any questions, please message me. Make sure to read the material in "Readings and Resources" above. Thank You!

Discussion 3 -

Application of chemicals and fertilizer has always been a big industry in agriculture. Custom application has always been a big part of the chemical and fertilizer business. Has the wide spread adoption of precision agriculture on the farm level reduced the relevance of custom application? Explain you position either way.

The discussion board forums are an opportunity to have thoughtful discussions about a given topic in precision agriculture. The questions raised will be general in nature and ask you to think deeply.

Please post your initial response by the due date listed in the Course Calendar. Students should then respond to at least one classmate's initial post.

This discussion is worth 20 points.

Project 3

Talk to a local custom chemical/fertilizer applicator that is using precision agriculture on his machine(s). Please have him/her summarize what equipment brand and type he is utilizing and the brand/type of application equipment. Have him/her summarize how he/she uses the precision equipment for. Ask if they would want to add capabilities and what they are. Have them describe what their job would be like without the precision agriculture equipment.

Complete the project, save, then upload the document for the project by clicking on the Project Title.

This assignment has a point value of: 20 points

Quiz 3

The quiz for this module contains 20 multiple choices and true/false questions. Students will have one attempt and a 30 minute time limit to complete the quiz.

This quiz has a point value of: 20 points