

Unit 5 - Yield monitoring and mapping

Introduction

In this unit students will learn about yield monitoring and GPS mapping systems. The activities and assignments are designed to expose students to yield monitor hardware with an emphasis on providing “hands on” exercises.

Objectives

In this unit students will

- Explain the benefits of yield mapping.
- Describe the components of a yield monitor/mapping system.
- Identify the differences in manufacturers.

Readings and Resources

- Unit 5 Yield monitor and mapping outline
- Online Tutorials
- Links to online resources

Assignments

Complete:

- Readings
- Discussion 5
- Project 5
- Quiz 5

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 5 – Yield mapping versus aerial imaging

Recent advancements in field imaging (aerial and satellite) are going to make it more reliable and accessible to growers. Does this make yield maps less relevant on the farm level? Please explain what your position is and why.

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 5: Yield monitoring and mapping used on the farm.

Describe what yield monitoring and mapping means on the farm today. I want to know what the yield monitor could do for you in the field and what the maps could do for you in the office. Be specific and give examples.

Please attached a Word document or Rich Text Format to the assignment stating that you have completed the process, and any questions you may have. I prefer a .doc file over the .rtf file, but if you don't have Microsoft Office, save file as an .rtf.

This assignment has a point value of: 20 points

Quiz 5

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