Module 1 PA - Topic 1 Overview of Precision Agriculture

Precision agriculture is a catch-all term that describes using GIS and GPS technologies to manage specific areas of fields. Precision agriculture technologies use information from multiple sources to assist farmers in making crop production and management decisions based on the variability of production potential within fields.

In this unit we describe the technologies used in production agriculture and we review some of the research associated with the use and future trends of these technologies.

Benefits of precision agriculture technology include: reduced variable costs, increased yields, increased profits, and reduced environmental effects.

Readings

- Overview of Precision Agriculture
- 5 essentials in Precision Agriculture

Activities

- M1-T1 Discussion - Precision Ag Software Evaluation
- M1-T1 Assignment - 5 essentials Worksheet

M1- T1 Discussion - Research and Define Precision Agriculture Software

Read: Overview of Precision Agriculture

Using the website Precisionag.com to help you gain information; determine what hot items are available in 2015/2016 for Precision Agriculture?

Requirements

3 different items over 2015/2016

Answer the following questions

- What is the item/product?
- Explain the item/product (what it is used for)
- What is the cost of the item/product?
- How will it impact the industry?
- What is your opinion on the product?

To post:

Click on: the Discussion Link; **Select:** Add new discussion topic,

Title the discussion: Overview of Precision Agriculture; **Select:** Post to forum

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.

The discussion has a point value of: 20

M1- T1 Assignment - 5 essentials in Precision Agriculture

Read: http://www.sstsoftware.com/the-essentials/

Complete: *5 essentials in Precision Agriculture Worksheet*

When evaluating the current setup and future precision Ag options, one needs to peel back the layers and look at what's behind the impressive maps. It's important to look for the five essentials that must be present to sustain the growth of a quality, enterprise-level precision Ag program.

After completing the readings: Click on the link to open the assignment, download and save the worksheet to your hard drive (initials _M1- 2 Assign). Upload the completed assignment by clicking on the Assignment title then uploading the completed assignment.

This assignment has a point value of: 50 points