Module 1 PA - Topic 2 GPS and GIS

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

- [Trimble GPS Tutorial](#)

Activities

- **Complete** M1- T2 Assignment - Answer Trimble Questions

M1-T2 Assignment - Trimble GPS Tutorial Questions

Read: [Trimble GPS Tutorial](#)

Download: [Trimble Tutorial Questions](#)

The development and implementation of precision agriculture or site-specific farming has been made possible by combining the Global Positioning System (GPS) and geographic information systems (GIS). These technologies enable the coupling of real-time data collection with accurate position information, leading to the efficient manipulation and analysis of large amounts of geospatial data.

For this assignment, students are to read the information in the *Trimble online tutorial* on GPS; then download *The Trimble Tutorial Questions* and **save as** (initials _M1- 2 Assign). After completing the questions in the worksheet; upload the completed document by clicking on the Assignment title then uploading the completed assignment

This assignment has a point value of: 50 points