SECTION HEADING

AGRI 2205: Introduction to Precision Management Software

Description

Introduction to Precision Management Software is intended to serve as an introduction to several precision management software packages that are used to manage farming decisions and implement site specific crop management.

Credits

3

Prerequisite

None

Corequisite

None

Topics to be Covered

1. Role of spatial management software in agriculture

2. Basics of geographic information systems

3. Management trees

4. Reading field display files

5. Importing/Exporting shape files

6. Reading Legends

7. Soil Sampling

8. Crop Scouting

9. Layering

10. Prescriptions

Learning Outcomes

1. Demonstrate use of spatial management software programs.

2. Develop management decisions from field data.

3. Collect infield information such as soil types, soil grids, crop scouting, and yield data.

4. Create variable rate application (VRA) prescriptions.

5. Operate a mobile computer.

6. Import field data from field displays.

7. Define a field, create a boundary, and develop a soil grid

8. Layer mapping features.

Credit Details

Lecture: 3

Lab: 0

OJT: 0

MnTC Goal Area(s): None