

1. Elaborate the basis for variable rate application map and discuss the variable rate fertilizer applicator and Variable rate sprayer.
2. Discuss the components of a yield monitoring system with a sketch and its importance.
3. Explain the integrated spatially variable dataflow with a schematic diagram with relevance to precision farming.
4. Explain the need for basis of analyses, sensors and techniques for nutrient management in precision farming.
5. Define yield monitoring system in a precision farming and the importance of the components of a yield monitoring system with a neat diagram.
6. What do you mean by Modulating spraying nozzle control system and explain its working principle with a neat diagram.
7. What do you mean by Spatial variability and how it is applied in production units of precision farming system.
8. Explain in detail about the Sensors application in precision farming system.
9. Explain the maintenance of precision drip irrigation system.
10. Explain the components and its selection for a typical precision drip irrigation system.
11. Discuss about the various methods and equipment used for Fertilizer in precision farming system.
12. Explain the modern methods and advantages of land mapping techniques.
13. Explain the types of field drainage systems used for precision farming.
14. Explain in detail about the various soil forming processes.
15. What is Spatial variability and discuss its importance among production units of agriculture.
16. Explain in detail about the Sensors application in precision farming system.
17. Explain in detail about the equipment and methods for Fertilizer Injection in precision farming systems.

