



Intro to Ag - Precision Agriculture - Lesson 1

Vocabulary Worksheet

Match the definition in the right column to the correct term found in the column on the left. Place the number of the matching definition on the blank provided in front of the appropriate term.

_____ AOI – Area Of Interest

_____ GPS – Global Positioning System

_____ GPS Receiver

_____ Innovation

_____ Meter

_____ Monitor

_____ Precision Agriculture

_____ Precision Farming

_____ ROI Ratio

_____ ROI – Return On Investment

_____ Seeding Rate

1. The amount of time it takes for the increase in profits to pay for the initial investment.

2. Managing crop production inputs (seed, fertilizer, lime, pesticides, etc.) on a site-specific basis to increase profits, reduce waste and maintain environmental quality.

3. The calculating of a location utilizing 3 or more known locations on the earth's surface.

4. A piece of equipment that applies an agronomic input such as seed, fertilizer, insecticide or herbicide.

5. A farm management practice in which each herd, field or the entire farm operation is viewed as a single uniform environment managed in the same manner.

6. Differences in conditions within an area of interest.

7. The calculating of a location utilizing 3 or more positioning satellites.

8. A piece of equipment that measures something such as a weight, volume, density, or level of something.

9. An antenna that communicates with the GPS satellite constellation.

10. A piece of equipment that displays information.

11. A defined area used in a GIS system for analysis.



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_____ Sensor

12. The amount of increased income due to an investment.

_____ Traditional Farming Practice

13. A constellation of approximately 30 well-placed satellites that orbit the Earth making it possible to pinpoint the geographic location of a receiver.

_____ Triangulation

14. The creative adaptation of new technologies and design to provide a functional solution.

_____ Trilateration

15. A farm management practice in which each field is analyzed to identify micro-environments that require different management to increase profitability by placing the exact level up inputs to produce the greatest yield at the least expense through the use of Information Technology and GPS.

_____ Variability

16. Determines the planting population.