P B E P A Q I S S N N S N Y F

D R P Q F N R K O Y E M K E P

S A E X U O A I G N U A N M E

L E T C S I T L V L S R A H R

A K T N I A P I Y O C T T A U

Y P E I G S R M F Z I F Y R T

E S M I L O I T E N E I L D S

R N R U N L W O P N A R P W I

S R I M P A E U N T T M P A O

I K E N R N T T A A X E U R M

I N F E H S I D A F G R S E M

T D E C I S I O N S Y M G P S

Z J Q V Y T I L I B A L A C S

S R O T I N O M R E T E M P U

T E A N I M A L S G Q H S O S

***Complete the statements below to find the words to locate in the word search above.***

1. Electronic technology consists of hardware and ***SOFTWARE***.

2. ***MONITORS*** take signals from sensors and then send the signal back to the meter to make the corrections.

3. Precision Ag maps are put together in ***LAYERS***.

4. The three main types of ***HARDWARE*** used in Precision Agriculture are monitors, sensor and meters.

5. Examples of ***INPUTS*** include seed, fertilizer and fungicide.

6. Yield and subsoil moisture are examples of ***PRECISION AG MAPS***. (No spaces)

7. Thermometers, scales and lasers are some examples of ***SENSORS***.

8. A ***SMARTFIRMER*** is a complex and highly technical array of sensors used in precision planting.

9. A flow ***METER*** works with a flow sensor to control the amount of fluid allowed to flow through a sprayer.

10. An Ag Producer can minimize risk to the ***ENVIRONMENT*** by reducing runoff and leaching.

11. An Ag Producer doesn’t have to farm a large number of acres to use Precision Agriculture because of ***SCALABILITY***.

12. A Global Positioning System gets its information from Earth-orbiting

***SATELLITES***.

13. Things that can be sensed in an ***ANIMALS*** body include the last time it drank or ate, its body temperature and heart rate.

14. The flow through a “simple delivery system” in the proper order is as follows:

***SUPPLY TANK*** (no spaces), ***PUMP***, Flow Meter, Flow Sensor and an Application Device.

15. When and how much water to add are things related to ***IRRIGATION*** that can be controlled using Precision Agriculture.

16. A field can be surveyed easily using ***GPS***.

17. An Ag Producer can make more informed ***DECISIONS*** with the help of Precision Agriculture.

18. An advantage of Precision Ag is that a producer can use his existing ***EQUIPMENT***.

19. It may take some time to gather the needed ***DATA*** in order to implement Precision Agriculture.

20. One disadvantage of Precision Ag is that it may take some learning for an older producer to be able to properly ***ANALYZE*** the information provided.

21. The amount of ***MOISTURE*** in grain can be measured using a sensor.