

**01AB773 Introduction to Sustainable Agriculture in Rural Areas**  
**Feedback Quiz 4: Pest Management and Chemical Application Systems**  
**Total Points 10**

Name:

ID:

1. What does the VRT mean?

2. There are two basic methods for implementing VRA:

- 1) -----
- 2) -----

3. Application rate is defined as the volume of a product applied per unit area. (True /False)

4. Soil and Plant sensors for the following purposes have been developed

- a) Soil organic matter content
- b) Soil moisture content
- c) Light reflectance of crops and weeds
- d) Soil nutrient level
- e) All of the above

5. Please draw the light reflectance versus soil moisture content and electrical resistance versus soil moisture content.

If light reflectance is high, then moisture content is high. (True/False)

If electrical resistance is high, then moisture content is low. (True/False)

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6. What do you know about the Pressure Sensors?

7. What do you mean by Flow Sensors?

8. Please write down the name of the devices use as speed sensors.

9. How controllers work in the VRA?

10. What do you mean by the actuators?