

EC33-171: Bioproduction and Machinery

Feedback Quiz –VRT (Open Book)

Total Points 10

Name:

ID:

1. What does the VRT mean?

2. There are two basic methods for implementing VRA:

1) -----

2) -----

3. The 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 than moisture content is high (True/False)

If electrical resistance is high than moisture content is low (True/False)

6. What do you know about the pressure sensors?

7. What do you mean by flow sensors?

8. Please the devices use as speed sensors

9. How the controllers work in the VRA?

10. What do you mean by the actuators?