

EC33-171: Bioproduction and Machinery

Feedback Quiz: Remote Sensing (Open Book)

Total Points 10

Name:

ID:

1. please explain what is remote sensing?

2. electromagnetic spectrum content of 1). _____ 2) _____
3. healthy plants reflect more green than unhealthy plants (**True/ False**).
4. Every object with the temperature smaller than absolute zero transmits radiation mostly in infrared (**True/ False**).
5. What are the two methods of remote sensing implementations?

6. How can remote sensing data be applied to monitor crop growth and predict crop biomass and economic yield?
7. Remote sensing scientists measure the amount of energy in different spectral wavelengths reflected from the earth's surface as one means of monitoring the earth's biosphere (**True/ False**).
8. Chlorophyll absorbs in 430-600 and 650-680nm region. The blue region overlaps with carotenoid absorption, so focus is on red (**True/ False**).
9. How can remote sensing data be used to detect agricultural area changes?

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