**Multiple choice quiz**

1. Agricultural drought is best defined as:
2. Low crop yields
3. Low soil moisture in the upper soil layers
4. Low soil moisture in the root zone
5. Which of the following variables are inputs into the JULES land surface model (select all that apply):
6. Soil moisture
7. Soil texture
8. Precipitation
9. Temperature
10. The Water Resource Satisfaction Index (WRSI) is defined as:  
    a. The severity of agricultural drought

b. The mean soil moisture deficit in the root zone cumulated over the growing season

c. The soil moisture anomaly cumulated over the growing season

1. Which of the following factors does our model account for (select all that apply):  
   a. The effect of temperature on the length of the growing season

b. Crop variety   
c. Soil texture

d. Fertilizer input

e. Pests and diseases

1. A seasonal WRSI of 90% means (select all that apply):  
   a. There is no evidence of severe agricultural drought  
   b. Crop yields will be high   
   c. There was no need to irrigate  
   d. WRSI is higher than usual