

**UT Eastern Region 4-H  
Land Judging Score Card**

Pit # \_\_\_\_\_

*Place Contestant Label Here*

**PART I - PHYSICAL CHARACTERISTICS OF THE SOIL**

Check only one Answer for Each Soil Characteristic




**A. Texture of Surface Soil (5 points)**

- Coarse  
- Medium  
- Fine  

**B. Texture of Subsoil (5 points)**

- Coarse  
- Medium  
- Fine  

**C. Rock Outcrops (2 points)**

- None or Few  
- Common  
- Many  

**D. Erosion (3 points)**

- None to slight  
- Moderate  
- Severe  





**E. Water Holding Capacity (6 points)**

- High  
- Medium  
- Low  







**F. Rock Fragments (2 points)**

- None or Few  
- Common  
- Many  

**G. Depth of Soil Favorable for Roots (6 points)**

- Deep (36+ inches)  
- Moderately Deep (20-36 inches)  
- Shallow (10-20 inches)  
- Very Shallow (less than 10 inches)  


**H. Slope (6 points)**

- |                              | <u>East or Middle TN</u> | <u>West TN</u> |                          |   |
|------------------------------|--------------------------|----------------|--------------------------|---|
| Nearly Level                 | (0 to 2%)                | (0 to 2%)      | <input type="checkbox"/> |    |
| Gently Sloping               | (2 to 5%)                | (2 to 5%)      | <input type="checkbox"/> |    |
| Sloping                      | (5 to 12%)               | (5 to 8%)      | <input type="checkbox"/> |    |
| Moderately Steep (12 to 20%) | (8 to 12%)               |                | <input type="checkbox"/> |  |
| Steep                        | (20 to 30%)              | (12 to 20%)    | <input type="checkbox"/> |  |
| Very Steep                   | (30% +)                  | (20% +)        | <input type="checkbox"/> |  |

**I. Drainage Class (6 points)**

- Excessively Drained  
- Well-Drained  
- Moderately Well-Drained  
- Somewhat Poorly-Drained  
- Poorly-Drained  









**J. Position of Site on the Landscape (5 points)**

- Flood Plain  
- Upland or Terrace  
- Footslope  
- Depression  









**PART II-INTERPRETATION OF SOIL CHARACTERISTICS**

Check only one Answer for Each Soil Characteristic

**A. Land Capability Class (4 points)**

- |   |  |  |   |
|---|--|--|---|
| Class I <input type="checkbox"/>   | Class III <input type="checkbox"/>  | Class V <input type="checkbox"/>   | Class VII <input type="checkbox"/>   |
| Class II <input type="checkbox"/>  | Class IV <input type="checkbox"/>   | Class VI <input type="checkbox"/>  | Class VIII <input type="checkbox"/>  |

**B. Limitation(s) of This Soil for Crop Production (8 points)**

- |   |  |   |
|---|--|---|
| 1. Wetness <input type="checkbox"/>          | 4. Subsoil Texture <input type="checkbox"/>            | 7. Effective Depth <input type="checkbox"/>  |
| 2. Slope <input type="checkbox"/>            | 5. Available Water Capacity <input type="checkbox"/>   | 8. Flooding <input type="checkbox"/>         |
| 3. Surface Texture <input type="checkbox"/>  | 6. Rock Fragments or Outcrop <input type="checkbox"/>  |   |

**PART II-INTERPRETATION OF SOIL CHARACTERISTICS (CONTINUED)**

**C. Check Estimated Yields of This Soil for the Following Crops (7 points)**

	Low or not adapted	Medium	High
Corn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cotton	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soybeans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tobacco	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small Grain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alfalfa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fescue-white Clover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**D. Potential Environmental Problems (4 points)**

	Low	Medium	High
1. Sediment, nutrients or pesticides in streams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Nutrients or pesticides in groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**PART III-MANAGEMENT PRACTICES**

**A. Check The One Most Intensive Recommended Use (6 points)**

- |   |   |
|---|---|
| 1. Continuous annual crops - minimal conservation system <input type="checkbox"/> | 4. Permanent grass / legume clover <input type="checkbox"/> |
| 2. Continuous annual crops - intensive conservation <input type="checkbox"/>      | 5. Trees <input type="checkbox"/>                           |
| 3. Annual crops in rotation with perennial grass / <input type="checkbox"/>       |   |

**B. Check All Recommended Practices (9 points)**

- |  |   |   |
|--|---|---|
| 1. Drainage System <input type="checkbox"/>              | 4. Grassed waterways <input type="checkbox"/> | 7. Filter strips <input type="checkbox"/>                   |
| 2. Conservation tillage/no-till <input type="checkbox"/> | 5. Contour farming <input type="checkbox"/>   | 8. Cover crops <input type="checkbox"/>                     |
| 3. Terraces <input type="checkbox"/>                     | 6. Strip cropping <input type="checkbox"/>    | 9. Lime and fertilize by soil test <input type="checkbox"/> |

**PART IV-HOMESITES**

**A. For Each Soil Factor Check Suitability Rating for Homesite Requiring Septic Tank Disposal Field (12 points)**

	Good	Fair	Poor
Drainage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flooding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Depth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slope	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Percolation Rate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shrink-Swell	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**B. Suitability for Homesite Requiring Septic Tank Disposal Field (4 points)**

- Good
- Fair
- Poor



Your scorecard is provided compliments of the Tennessee Farm Bureau

1  
2  
3  
4  
5  
6  
7  
8  
9  
10