

SOIL JUDGING SCORE CARD

CONTESTANT **Lower-State Key**
 NUMBER _____

Part I Land Class Factors

A. SLOPE

- 1. Nearly level
- 2. Gently sloping
- 3. Sloping
- 4. Strongly sloping
- 5. Moderately steep
- 6. Steep
- 7. Very steep

B. EROSION –WIND & WATER

- 1. Alluvial or Colluvial deposits
- 2. None to slight
- 3. Moderate
- 4. Severe
- 5. Very severe/Gullied

C. ROOTING DEPTH

- 1. Deep
- 2. Moderately deep
- 3. Shallow
- 4. Very shallow

D. SURFACE TEXTURE

- 1. Coarse
- 2. Light
- 3. Medium
- 4. Fine

E. PERMEABILITY

- 1. Very rapid
- 2. Rapid
- 3. Moderate
- 4. Slow

F. DRAINAGE

- 1. Excessive
- 2. Good
- 3. Fair
- 4. Poor
- 5. Very poor

G. Major Factors- Considered in selecting Land Capability

- 1. Slope
- 2. Erosion
- 3. Depth
- 4. Texture
- 5. Permeability
- 6. Drainage

H. LAND CAPABILITY CLASS AND SUBCLASS IF NEEDED

- 1. Class I
- 2. Class II
- 3. Class III E
- 4. Class IV W
- 5. Class V S
- 6. Class VI
- 7. Class VII
- 8. Class VIII

Part II

Recommended Land Treatments---Needed for different land capability classes

Score _____

USE

- 1. Cultivated cropland
- 2. Pastureland
- 3. Hayland (Perennials)
- 4. Forestland
- 5. Wildlife land

VEGETATIVE

- 6. Conservation crop rotation
- 7. Establish strips for wind erosion control
- 8. Do not burn crop residue
- 9. Conservation tillage
- 10. Plant wildlife food strips and/or plots
- 11. Conservation buffer
- 12. Re-establish pasture & / or repair
- 13. Mow or spray pasture or perennials for weed control
- 14. Topseed winter annuals on pasture
- 15. Control grazing
- 16. Thin trees selectively
- 17. Clear-cut and plant to trees
- 18. Pest management
- 19. Planting of native grasses, legumes, and shrubs
- 20. Early successional habitat development/management
- 21. Hedgerow establishment
- 22. Tree planting for wildlife habitat
- 23. Thinning of forestland for wildlife habitat

MECHANICAL

- 24. Farm on contour
- 25. Terrace and farm on contour
- 26. Establish grassed waterways
- 27. Establish drainage system
- 28. Provide water facilities for livestock
- 29. Establish fire breaks
- 30. Control brush or trees
- 31. Control burn
- 32. Streamside management zone

LIME AND FERTILIZER

- 33. Apply limestone
- 34. Apply nitrogen
- 35. Apply phosphate
- 36. Apply potash

SCORE PART I
 _____(Possible 30)

SCORE PART II
 _____ Possible 30)

TOTAL SCORE
 (Possible 60)_____

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Lower-State Soil Judging Condition Sheet

Pit #1

Class I

p.H – 5.9
Phosphate – Medium
Potash – High

Original Topsoil - 20 inches

Field to consider is – 25 acres of cropland

Most Intensive Use of the Land Required

Other Conditions: General Row Crop Farmer / Field joins woods & road

Use 7 Practices in Part II

Pit #2

Class II s

p.H – 5.5
Phosphate – Low
Potash – Low

Original Topsoil - 30 inches

Field to consider is – 40 acres of Hayland

Best Use of the land Required

Other Conditions: Beef Cattle Farm / Joins woods, road, & stream

Use 7 Practices in Part II

Pit #3

Class III W

p.H – 5.5
Phosphate – Low
Potash – Low

Original Topsoil - 5 inches

Field to consider is – 5 acres of Abandon Cropland

Best Use of the land Required

Other Conditions: General Farmer that is interested in attracting wildlife, especially quail.

Use 3 Practices in Part II

Pit #4

Class II e

p.H – 5
Phosphate – Low
Potash – Low

Original Topsoil - 14 inches

Field to consider is – 35 acres of Cotton

Most Intensive Use of the land Required

Other Conditions: Cotton Farm / Field joins woods and road.

Use 12 Practices in Part II