

Peel
Dee
124
2008

CONDITIONS OF FIELD FOR LAND JUDGING

Field #1

0%

1. Assumed soil test. pH 5.0 Phosphate VL Potash VL
2. Pay no attention to practices on field.
3. Thickness of original top soil was 19 in.
4. Field to consider is 40 Acres pastureland
5. Consider the most (intensive) (best use) of the land.
6. Other conditions are Bordered by woods, Pond, Soybeans,
Beef cattle, winter grazing,
needed
7. Use 11 Practices in Part II.

Field #2

0%

1. Assumed soil test. pH 5.5 Phosphate H Potash L
2. Pay no attention to practices on field.
3. Thickness of original top soil was 17
4. Field to consider is 35 Acres corn
5. Consider the most (intensive) (best use) of the land.
6. Other conditions are Bordered by road & soybean
7. Use 9 Practices in Part II.

Field #3

5%

1. Assumed soil test. pH 6.0 Phosphate VI Potash VI
2. Pay no attention to practices on field.
3. Thickness of original top soil was 29 in.
4. Field to consider is 100 Acres soybeans
5. Consider the most (intensive) (best use) of the land.
6. Other conditions are Bordered by woods, Cotton, Road, stream
Interest in management for
Quail.
7. Use 14 Practices in Part II.

Field #4

3%

1. Assumed soil test. pH 5.0 Phosphate H Potash L
2. Pay no attention to practices on field.
3. Thickness of original top soil was 16 inches
4. Field to consider is 20 Acres cotton
5. Consider the most (intensive) (best use) of the land.
6. Other conditions are Bordered by woods & Road Interest in
management for deer
and Turkey
7. Use 11 Practices in Part II.

SOIL JUDGING SCORE CARD

CONTESTANT NUMBER _____

Part I Land Class Factors

A. SLOPE

3

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

B. EROSION - WIND & WATER

3

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

C. ROOTING DEPTH

3

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

D. SURFACE TEXTURE

5

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

E. PERMEABILITY

5

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

F. DRAINAGE

3

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

G. Major Factors- Considered in selecting Land Capability

2
2

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

H. LAND CAPABILITY CLASS AND SUBCLASS IF NEEDED

4

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

- E
- S
- W

Part II

Recommended Land Treatments—Needed for different land capability classes

Score

4

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

3

3

3

3

3

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

3

LIME AND FERTILIZER

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

2
2
2
2

SCORE PART I
 _____ (Possible 30)

SCORE PART II
 _____ Possible 30)

TOTAL SCORE
 (Possible 60) _____

SOIL JUDGING SCORE CARD

CONTESTANT NUMBER _____

Part I Land Class Factors

A. SLOPE

5

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

B. EROSION -WIND & WATER

4

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

C. ROOTING DEPTH

3

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

D. SURFACE TEXTURE

3

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

E. PERMEABILITY

5

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

F. DRAINAGE

5

- 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**

5

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

Part II

**Recommended Land
 Treatments—Needed for
 different land capability
 classes**

Score

5

USE

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

VEGETATIVE

4

- 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
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LIME AND FERTILIZER

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 _____ (Possible 30)

SCORE PART II
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TOTAL SCORE
 (Possible 60) _____

CONTESTANT NUMBER _____

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A. SLOPE

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5%

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Recommended Land Treatments—Needed for different land capability classes

Score

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TOTAL SCORE
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4

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