

Pee Dee
Region 2009

CONDITIONS OF FIELD FOR LAND JUDGING

Field #1

1. Assumed soil test. pH 5.5 Phosphate Low Potash low
2. Pay no attention to practices on field.
3. Thickness of original top soil was 15
4. Field to consider is 70 ac.
5. Consider the most (intensive) (~~best use~~) of the land.
6. Other conditions are Peanut Farm, Border wood & road
7. Use 9 Practices in Part II.

Field #2

1. Assumed soil test. pH 5.7 Phosphate Med. Potash med.
2. Pay no attention to practices on field.
3. Thickness of original top soil was 19
4. Field to consider is 300 acres clearing bordering I-95
5. Consider the most (~~intensive~~) (best use) of the land.
6. Other conditions are wants to replant trees. Has secondary interest in attracting wildlife
7. Use 4 Practices in Part II.

Field #3

1. Assumed soil test. pH 4.9 Phosphate low Potash low
2. Pay no attention to practices on field.
3. Thickness of original top soil was > 60" beef cultivated
4. Field to consider is 35 ac. ~~beef~~ on cattle farm. Needs winter grazing
5. Consider the most (~~intensive~~) (best use) of the land. ↑
6. Other conditions are
7. Use 10 Practices in Part II.

Field #4

1. Assumed soil test. pH 6.0 Phosphate Low Potash low
2. Pay no attention to practices on field.
3. Thickness of original top soil was 11
4. Field to consider is 40 acres, cropland, corn
5. Consider the most (intensive) (~~best use~~) of the land.
6. Other conditions are
7. Use 9 Practices in Part II.

Group No. _____ Field No. 1
 Indicate answer by X in the square with number

SOIL JUDGING SCORE CARD

CONTESTANT NUMBER Key

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

4

0-2% slope

B. EROSION - WIND & WATER

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

4

C. ROOTING DEPTH

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

4

D. SURFACE TEXTURE

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

4

E. PERMEABILITY

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

4

F. DRAINAGE

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

4

G. Major Factors- Considered in selecting Land Capability

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

0

H. LAND CAPABILITY CLASS AND SUBCLASS IF NEEDED

- 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

6

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

3

- 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

4

4

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

LIME AND FERTILIZER

3

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

3

3

SCORE PART I
 _____ (Possible 30)

SCORE PART II
 _____ (Possible 30)

TOTAL SCORE
 (Possible 60) _____

Group No. _____ Field No. 2
 Indicate answer by X in the square with number

SOIL JUDGING SCORE CARD

CONTESTANT NUMBER Key

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

15-25%

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

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

D. SURFACE TEXTURE

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

E. PERMEABILITY

- 3
- 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

- 1.5
- 1.5
- 1. Slope
 - 2. Erosion
 - 3. Depth
 - 4. Texture
 - 5. Permeability
 - 6. Drainage

H. LAND CAPABILITY CLASS AND SUBCLASS IF NEEDED

- 6
- 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

USE

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

6

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

8

8

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

8

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) _____

SOIL JUDGING SCORE CARD

CONTESTANT NUMBER Key

Part I Land Class Factors

A. SLOPE

4

- 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

2

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

D. SURFACE TEXTURE

3

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

E. PERMEABILITY

4

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

F. DRAINAGE

4

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

G. Major Factors- Considered in selecting Land Capability

1
1
1
1

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

H. LAND CAPABILITY CLASS AND SUBCLASS IF NEEDED

6

- 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

3

USE

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

VEGETATIVE

- 6. Conservation crop rotation
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LIME AND FERTILIZER

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

3
3
3
3

SCORE PART I
 _____ (Possible 30)

SCORE PART II
 _____ Possible 30)

TOTAL SCORE
 (Possible 60) _____

Group No. _____ Field No. 4
 Indicate answer by X in the square with number

SOIL JUDGING SCORE CARD

CONTESTANT Key
 NUMBER _____

Part I Land Class Factors

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

- 3** **B. EROSION -WIND & WATER**
- 1. Alluvial or Colluvial deposits
 - 2. None to slight
 - 3. Moderate
 - 4. Severe
 - 5. Very severe/Gullied

- 2** **C. ROOTING DEPTH**
- 1. Deep
 - 2. Moderately deep
 - 3. Shallow
 - 4. Very shallow

- 3** **D. SURFACE TEXTURE**
- 1. Coarse
 - 2. Light
 - 3. Medium
 - 4. Fine

- 5** **E. PERMEABILITY**
- 1. Very rapid
 - 2. Rapid
 - 3. Moderate
 - 4. Slow

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

- 1** **G. Major Factors- Considered in selecting Land Capability**
- 1. Slope
 - 2. Erosion
 - 3. Depth
 - 4. Texture
 - 5. Permeability
 - 6. Drainage

- 6** **H. LAND CAPABILITY CLASS AND SUBCLASS IF NEEDED**
- 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

3

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
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- 10. Plant wildlife food strips and/or plots
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- 12. Re-establish pasture & / or repair
- 13. Mow or spray pasture or perennials for weed control
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4

3

4

3

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- 28. Provide water facilities for livestock
- 29. Establish fire breaks
- 30. Control brush or trees
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- 32. Streamside management zone

4

LIME AND FERTILIZER

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

3

3

3

SCORE PART I
 _____ (Possible 30)

SCORE PART II
 _____ Possible 30)

TOTAL SCORE
 (Possible 60) _____