

CONDITIONS OF FIELD

Field #1

1. Assumed soil test. pH 5.6 Phosphate High Potash Low
2. Pay no attention to practices on field.
3. Thickness of original top soil was 10"
4. Field to consider is 10 acres bordering pond
5. Consider the ~~(most intensive)~~ (best) use of the land.
6. Other conditions are Sweet potato farm
7. Use 9 practices in Part II.

Field # 2

1. Assumed soil test. pH 5.8 Phosphate High Potash Medium
2. Pay no attention to practices on field.
3. Thickness of original top soil was ~~10"~~ 17"
4. Field to consider is 50 acres similar to area around pit
5. Consider the ~~(most intensive)~~ (best) use of the land.
6. Other conditions are beef cattle farm; pond adjacent to field; year round grazing needed with wildlife interest
7. Use 10 practices in Part II.

Field # 3

1. Assumed soil test. pH 5.9 Phosphate Low Potash Low
2. Pay no attention to practices on field.
3. Thickness of original top soil was ~~10"~~ 9.5"
4. Field to consider is 25 acres watermelon farm
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 5.4 Phosphate High Potash Medium
2. Pay no attention to practices on field.
3. Thickness of original top soil was ~~10"~~ 13"
4. Field to consider is 130 acres beefalbe farm; similar to area around pit
5. Consider the ~~(most intensive)~~ (best) use of the land.
6. Other conditions are interest in deer and turkey hunting; no stream in field
7. Use 12 practices in Part II. year round grazing needed

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

SOIL JUDGING SCORE CARD

CONTESTANT NUMBER _____

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

07%

B. EROSION -WIND & WATER

3

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

8.5" now
18" original

C. ROOTING DEPTH

3

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

D. SURFACE TEXTURE

4

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

Loam

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

3

- 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
- 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

3
2
2
2
3

- 6. Conservation crop rotation
- 7. Establish strips for wind erosion - Because we have truck crop control
- 8. Do not burn crop residue
- 9. Conservation tillage
- 10. Plant wildlife food strips and/or plots
- 11. Conservation buffer - Because we bordered pond
- 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

3

- 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
3
3

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

SCORE PART I
30 (Possible 30)

SCORE PART II
30 Possible 30)

TOTAL SCORE
 (Possible 60) _____

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

CONTESTANT NUMBER _____

Part I Land Class Factors

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

- A. SLOPE**
1. Nearly level
 2. Gently sloping
 3. Sloping
 4. Strongly sloping
 5. Moderately steep
 6. Steep
 7. Very steep
- 3 3.0%

- B. EROSION --WIND & WATER**
1. Alluvial or Colluvial deposits
 2. None to slight
 3. Moderate
 4. Severe
 5. Very severe/Gullied
- 3 8.5" now
17" original

- 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
- 4 g. Sandy Loam

- 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 Gr. at 34"

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

- H. LAND CAPABILITY CLASS AND SUBCLASS IF NEEDED**
1. Class I
 2. Class II
 3. Class III
 4. Class IV
 5. Class V
 6. Class VI
 7. Class VII
 8. Class VIII
- 5
- E
 S
 W

Score

3

3
3

3

3

3

3

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
 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
- 3
3

SCORE PART I
30 (Possible 30)

SCORE PART II
30 Possible 30)

TOTAL SCORE
 (Possible 60)

Group No. _____ Field No. 3
 Indicate answer by X in the square with number

SOIL JUDGING SCORE CARD

CONTESTANT NUMBER _____

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

1.5%

B. EROSION -WIND & WATER

4

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

8" now
9.5" original

C. ROOTING DEPTH

3

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

D. SURFACE TEXTURE

4

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

Sandy Loam

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

2

- 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
- 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
- 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

LIME AND FERTILIZER

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

2

2

2

SCORE PART I
30 (Possible 30)

SCORE PART II
30 Possible 30)

TOTAL SCORE
 (Possible 60) 60

SOIL JUDGING SCORE CARD

CONTESTANT NUMBER _____

Part I Land Class Factors

A. SLOPE

- 1. Nearly level
 - 2. Gently sloping 3.4%
 - 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 12" now
 - 3. Moderate 13" original
 - 4. Severe
 - 5. Very severe/Gullied
- 3

C. ROOTING DEPTH

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

D. SURFACE TEXTURE

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

E. PERMEABILITY

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

F. DRAINAGE

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

G. Major Factors- Considered in selecting Land Capability

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

H. LAND CAPABILITY CLASS AND SUBCLASS IF NEEDED

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

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
- 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 3
- 13. Mow or spray pasture or perennials for weed control 3
- 14. Topseed winter annuals on pasture 3
- 15. Control grazing 2
- 16. Thin trees selectively
- 17. Clear-cut and plant to trees
- 18. Pest management 2
- 19. Planting of native grasses, legumes, and shrubs
- 20. Early successional habitat development/management
- 21. Hedgerow establishment 3
- 22. Tree planting for wildlife habitat 3
- 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 2
- 29. Establish fire breaks
- 30. Control brush or trees
- 31. Control burn
- 32. Streamside management zone

LIME AND FERTILIZER

- 33. Apply limestone 2
- 34. Apply nitrogen 2
- 35. Apply phosphate
- 36. Apply potash 2

SCORE PART I
30 (Possible 30)

SCORE PART II
30 (Possible 30)

TOTAL SCORE
 (Possible 60) 60