

10-11-07

U7m 2nd 17 38008E
3794 70m N
NAB83

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

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

8.1%

B. EROSION - WIND & WATER

- 1. Alluvial or Colluvial deposits
- 2. Moderate light
- 3. Moderate
- 4. Severe/Gullied

4

1 1/2" Annual

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

Sandy loam

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. Erosion
- 3. Depth
- 4. Texture
- 5. Permeability
- 6. Drainage

4

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

- E
- S
- W

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
- 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

SCORE PART I
(Possible 30)

SCORE PART II
(Possible 30)

TOTAL SCORE
(Possible 60)

Piedmont

10-11-07

UTM zone 17 379959E
3794189N
JAD83

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

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

4

0.4%

B. EROSION - WIND & WATER

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

3

4" original
4" now

C. ROOTING DEPTH

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

F

D. SURFACE TEXTURE

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

4

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

3

gray at 25'

G. Major Factors- Considered in selecting Land Capability

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

3

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

- E
- S
- W

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

3

AMM
W

2

3

repair

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)

Piedmont

10-11-57

UTM Zone 17

379888E
3794655N
NAD83

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

Part II

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

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

3

- 1. Alluvial or Colluvial deposits
- 2. None to slight *13" or more*
- 3. Moderate
- 4. Severe *13" Now*
- 5. Very severe/Gullied

C. ROOTING DEPTH

3

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

D. SURFACE TEXTURE

4

- 1. Coarse
- 2. *Sandy loam*
- 3. *Sandy loam*
- 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

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

Score

3

3

3

3

3

3

3

3

3

check

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 f w d strips and/or plots
- 11. Conservation buffer
- 12. Re-establish pasture & I 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) _____

Piedmont

10-11-07

Unit 17

379958 E
3794627W
N100E3

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

SOIL JUDGING SCORE CARD

CONTESTANT NUMBER _____

Part I Land Class Factors

A. SLOPE

- 1. Nearly level
- 2. Gently sloping 4.0%
- 3. Sloping
- 4. Strongly sloping
- 5. Moderately steep
- 6. Steep
- 7. Very steep

8. EROSION - WIND & WATER

- 1. Alluvial or Colluvial deposits
- 2. None to slight 16" Original
- 3. Moderate
- 4. Severe 16' Now
- 5. Very severe/Gullied

C. ROOTING DEPTH

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

D. SURFACE TEXTURE

- 1. Coarse
- 2. Light Sandy loam
- 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 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
- 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) _____

Piedmont
10-11-07

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 15"
4. Field to consider is 40 acres similar to area around pit; field borders stream;
5. Consider the ~~(most intensive)~~ (best) use of the land. wildlife interests including deer & turkey.
6. Other conditions are goat dairy
7. Use 10 practices in Part II.

Field # 2

1. Assumed soil test. pH 5.5 Phosphate low Potash Medium
2. Pay no attention to practices on field.
3. Thickness of original top soil was 4"
4. Field to consider is 20 acres field borders stream similar to area around pit.
5. Consider the (most intensive) (best) use of the land.
6. Other conditions are general farm
7. Use 12 practices in Part II.
8. Judge soil between the pink flagging tip.

Field # 3

1. Assumed soil test. pH 5.9 Phosphate Medium Potash Medium
2. Pay no attention to practices on field.
3. Thickness of original top soil was 13"
4. Field to consider is 13 acres similar to area around pit
5. Consider the (most intensive) (best) use of the land.
6. Other conditions are pumpkin farm. field borders ditch.
7. Use 11 practices in Part II.

Field # 4

1. Assumed soil test. pH 5.4 Phosphate Medium Potash High
2. Pay no attention to practices on field.
3. Thickness of original top soil was 16"
4. Field to consider is 50 acres similar to area around pit. Owner enjoys deer hunting.
5. Consider the (most intensive) (best) use of the land. no H₂O available in field.
6. Other conditions are llama with 4 emu and 8 cows.
7. Use 10 practices in Part II.