

P. S. Stone Corp

10 9-07

4-17-07

4494603

387-45200

WAS 93

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

- 3
- A. SLOPE** *Slope 0.3%*
- 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 *weight*
 - 3. Moderate
 - 4. Severe
 - 5. Very severe/Gullied *now in*

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

- 4
- D. SURFACE TEXTURE**
- 1. coarse
 - 2. Light *sandy loam*
 - 3. Medium
 - 4. Fine

- 3
- E. PERMEABILITY**
- 1. Very rapid
 - 2. Rapid
 - 3. Moderate *clay sub soil*
 - 4. Slow

- 4
- F. DRAINAGE**
- 1. Excessive
 - 2. Good
 - 3. Fair *gray 2-15'*
 - 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

- 5
- 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

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
- 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. Yedgerow 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
- 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)

3835617A
WAO 83

Group No. _____ Field No. 2
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 *slope 4.5%*
 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 *original 20"*
 3. Moderate *now 19"*
 4. Severe
 5. Very severe/Gullied

C. ROOTING DEPTH

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

D. SURFACE TEXTURE

- 4 1. Coarse
 2. Light *sandy loam*
 3. Medium
 4. Fine

E. PERMEABILITY

- 3 1. Very rapid
 2. Rapid
 3. Moderate *clay subsoil*
 4. Stow

F. DRAINAGE

- 4 1. Excessive
 2. Good
 3. Fair *gray at 20"*
 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 E
 5. Class V S
 6. Class VI W
 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

3
3

3

2

2

3
3

2

2

2

2

SCORE PART I
(Possible 30)

SCORE PART II
(Possible 30)

TOTAL SCORE
(Possible 60)

Mid-State Contest

10-1-4

3835571A
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

- A. SLOPE**
- 3 1. Nearly level *Slope 0.0%*
 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 *original 10" now 10"*
 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**
- 4 1. Coarse
 2. Light *sandy loam*
 3. Medium
 4. Fine

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

- F. DRAINAGE**
- 4 1. Excessive
 2. Good *no gray within 30"*
 3. Fair
 4. Poor
 5. Very poor

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

- H. LAND CAPABILITY CLASS AND SUBCLASS IF NEEDED**
- 17 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

- USE**
- Score 4
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

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

- Score 3
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)

Mid-State Contest

12-9-07

UTM Zone 17

449327E
3835565A
NAD83

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

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

B. EROSION - WIND & WATER

- 4
- 1. Alluvial or Colluvial deposits
 - 2. None to slight *original 14"*
 - 3. Moderate *now 8"*
 - 4. Severe
 - 5. Very severe/Gullied

C. ROOTING DEPTH

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

D. SURFACE TEXTURE

- 4
- 1. Coarse
 - 2. Light *sandy loam*
 - 3. Medium
 - 4. Fine

E. PERMEABILITY

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

F. DRAINAGE

- 2
- 1. Excessive
 - 2. Good
 - 3. Fair *gray at 24"*
 - 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

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

4

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

4

LIME AND FERTILIZER

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

W
W
W

SCORE PART I
____ (Possible 30)

SCORE PART II
____ (Possible 30)

TOTAL SCORE
(Possible 60) _____

Union County
October 9, 2007
Mid-State FFA Contest

CONDITIONS OF FIELD

UTM Zone 17
0449460 3835520

Field #1

1. Assumed soil test. pH 5.6 Phosphate High Potash Med.
2. Pay no attention to practices on field.
3. Thickness of original top soil was 10"
4. Field to consider is 25 acres similar to area around pit.
5. Consider the (most intensive) ~~(best)~~ use of the land.
6. Other conditions are general farm.
7. Use 10 practices in Part II.
8. Judge soil profile between the manly pink flagging tape.
9. Slope stakes are 100 feet apart.

Field #2

0449510 ; 3835612

1. Assumed soil test. pH 5.7 Phosphate Med Potash High
2. Pay no attention to practices on field.
3. Thickness of original top soil was 20" similar to area around pit.
4. Field to consider is 50 acres border stream that is inaccessible by cattle.
5. Consider the (most intensive) ~~(best)~~ use of the land.
6. Other conditions are beef cattle farm with three milk cows.
7. Use 12 practices in Part II.
8. Judge soil profile between the manly pink flagging tape.
9. Slope stakes are 100 feet apart. Wildlife interests including deer.

Field #3

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 10"
4. Field to consider is 10 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 9 practices in Part II.

Judge between pink flagging

Field #4

1. Assumed soil test. pH 5.5 Phosphate low Potash high
2. Pay no attention to practices on field.
3. Thickness of original top soil was 14"
4. Field to consider is 27 acres similar to area around pit, no streams in field
5. Consider the (most intensive) ~~(best)~~ use of the land. No H₂O
6. Other conditions are dairy farm with 2 beef cows
7. Use 9 practices in Part II.

Judge between pink flagging