

10-1-08
Anderson County
Joey Martin Farm

CONDITIONS OF FIELD

Field #1

1. Assumed soil test. pH 5.4 Phosphate Med. Potash Low
2. Pay no attention to practices on field.
3. Thickness of original top soil was 4"
4. Field to consider is 10 acres borders woods
5. Consider the (most intensive) ~~(best)~~ use of the land.
6. Other conditions are pumpkin farm.
7. Use 12 practices in Part II.
8. Judge profile between the flagging tape in pit.

Field # 2

1. Assumed soil test. pH 5.7 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 30 acres similar to area ground pit, between fences.
5. Consider the ~~(most intensive)~~ (best) use of the land.
6. Other conditions are beef cattle farm needs hay
7. Use 8 practices in Part II.
8. Judge profile between flagging tape in pit.

Field # 3

1. Assumed soil test. pH 5.9 Phosphate Med Potash Med
2. Pay no attention to practices on field.
3. Thickness of original top soil was 15"
4. Field to consider is 84 acres Cultivated.
5. Consider the (most intensive) ~~(best)~~ use of the land.
6. Other conditions are adjoins major road; row crop farm with
7. Use 13 practices in Part II. quail interests

Field # 4

1. Assumed soil test. pH 5.8 Phosphate High Potash Med
2. Pay no attention to practices on field.
3. Thickness of original top soil was 8"
4. Field to consider is 24 acres of pasture similar to open field.
5. Consider the ~~(most intensive)~~ (best) use of the land.
6. Other conditions are beef cattle farm; winter grazing needed
7. Use 9 practices in Part II.

UTM 0354787 E N
3835785

NAD 83

10-1-08
Anderson County

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

SOIL JUDGING SCORE CARD

CONTESTANT NUMBER Field One

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

4.8%

B. EROSION -WIND & WATER

3

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

4" original, 2" now

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

3

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

"slightly sticky clay"

F. DRAINAGE

4

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

gray at 32"

G. Major Factors- Considered in selecting Land Capability

4

- 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

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. Hedgerow establishment
- 22. Tree planting for wildlife habitat
- 23. Thinning of forestland for wildlife habitat

2

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

33

LIME AND FERTILIZER

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

check

SCORE PART I (Possible 30)

SCORE PART II (Possible 30)

TOTAL SCORE (Possible 60)

UTM 0354857 E
3835829 N
NAD 83
②

10-1-08
Anderson County
SOIL JUDGING SCORE CARD
CONTESTANT NUMBER Field Two

Group No. _____ Field No. _____
Indicate answer by X in the square with 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
- 0.09%

B. EROSION -WIND & WATER

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

C. ROOTING DEPTH

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

D. SURFACE TEXTURE

- 3
- 1. Coarse
 - 2. Light
 - 3. Medium
 - 4. Fine
- light
sandy clay 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
- gray matrix
under a
<10" surface

**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

4
4
4

4

4
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

SCORE PART I
(Possible 30)

SCORE PART II
(Possible 30)

TOTAL SCORE
(Possible 60)

TM 0354809 E NAD 83
 383 5928 N (3)

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

10-1-08
 Anderson County
SOIL JUDGING SCORE CARD

CONTESTANT NUMBER Field Three

Part I Land Class Factors

A. SLOPE

- 4
- 1. Nearly level 1.5%
 - 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 15" now
 - 3. Moderate 15" before
 - 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

- 5
- 1. Excessive
 - 2. Good gray at 42"
 - 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 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

4

2

2

2

2

2

2

2

2

3

2

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)

UTM 0354736 E NAD 83

10-1-08
Anderson County

383 5987 N (4)
Group No. _____ Field No. (4)
Indicate answer by X in the square with number.

SOIL JUDGING SCORE CARD

CONTESTANT NUMBER Field Four

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

12 970

B. EROSION - WIND & WATER

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

3

8" before
4" now

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

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

no gray in profile

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

5

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

4
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

3

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) _____