

Land Evaluation Scorecard

Contestant # _____
Field # _____
Name _____
School _____

Place Label Here
(Revised January 2020)

Soil Factors - Part 1

Mark appropriate box

Score

| | |
|--|--|
| | A. Depth of Soil <input type="checkbox"/> 1. Very Deep/Deep <input type="checkbox"/> 2. Moderately Deep <input type="checkbox"/> 3. Shallow <input type="checkbox"/> 4. Very Shallow |
| | B. Surface Texture <input type="checkbox"/> 1. Fine <input type="checkbox"/> 2. Moderately Fine <input type="checkbox"/> 3. Medium <input type="checkbox"/> 4. Moderately Coarse <input type="checkbox"/> 5. Coarse/Very Coarse |
| | C. Permeability <input type="checkbox"/> 1. Very Slow/Slow <input type="checkbox"/> 2. Moderately Slow <input type="checkbox"/> 3. Moderate <input type="checkbox"/> 4. Moderately Rapid <input type="checkbox"/> 5. Rapid <input type="checkbox"/> 6. Very Rapid |
| | D. Slope <input type="checkbox"/> 1. Nearly Level <input type="checkbox"/> 2. Gently Sloping <input type="checkbox"/> 3. Moderately Sloping <input type="checkbox"/> 4. Strongly Sloping <input type="checkbox"/> 5. Steep <input type="checkbox"/> 6. Very Steep |
| | E. Thickness of Surface <input type="checkbox"/> 1. Thick <input type="checkbox"/> 2. Moderately Thick <input type="checkbox"/> 3. Thin |
| | F. Erosion - Wind & Water <input type="checkbox"/> 1. None to Slight <input type="checkbox"/> 2. Moderate <input type="checkbox"/> 3. Severe <input type="checkbox"/> 4. Very Severe |

Recommended Land Treatments - Part 3

Select from the list below, proper conservation practices that should be used or considered for use to conserve both soil and water, and to maintain or improve the productivity of the land in this field. Place a legible mark in the appropriate box(es).

Score

| | |
|--|---|
| | A. Land Capability Class (mark only one) <input type="checkbox"/> 1. Row crop/occasional soil conserving crop <input type="checkbox"/> 2. Row crop not more than 2 out of 4 years <input type="checkbox"/> 3. Row crop not more than 2 out of 6 years <input type="checkbox"/> 4. Row crop not more than 1 out of 4 years <input type="checkbox"/> 5. Continuous wheat fallow/chemical fallow <input type="checkbox"/> 6. Permanent vegetation <input type="checkbox"/> 7. Use only for wildlife or recreation |
| | B. Cropland <input type="checkbox"/> 8. Practice conservation tillage <input type="checkbox"/> 9. Do not burn crop residue <input type="checkbox"/> 10. Return crop residue to soil <input type="checkbox"/> 11. Practice field/contour strip cropping <input type="checkbox"/> 12. Plant a field windbreak for erosion control <input type="checkbox"/> 13. Terrace and farm on contour <input type="checkbox"/> 14. Maintain terraces <input type="checkbox"/> 15. Establish/maintain grassed waterways or tile outlets <input type="checkbox"/> 16. Construct diversion terrace, sediment basin <input type="checkbox"/> 17. No mechanical treatment needed |
| | C. Rangeland - Wildlife <input type="checkbox"/> 18. Use prescribed burning <input type="checkbox"/> 19. Mow or spray for weed control <input type="checkbox"/> 20. Control brush and trees <input type="checkbox"/> 21. Proper pasture/range management <input type="checkbox"/> 22. Establish recommended grasses/legumes <input type="checkbox"/> 23. Defer grazing until cover is adequate <input type="checkbox"/> 24. Graze to utilize up to 60% forage production <input type="checkbox"/> 25. Control gullies <input type="checkbox"/> 26. Enhance wildlife habitat and recreation |
| | D. Fertilizer & Soil Amendments <input type="checkbox"/> 27. pH - soil amendments <input type="checkbox"/> 28. Nitrogen (N) <input type="checkbox"/> 29. Phosphorous (P) <input type="checkbox"/> 30. Potassium (K) <input type="checkbox"/> 31. Fertilizer or soil amendments not needed |

Land Capability Class - Part 2

Mark appropriate box (10 points)

Score

| | | |
|--|---------------------------------------|--|
| | <input type="checkbox"/> 1. Class I | <input type="checkbox"/> 5. Class V |
| | <input type="checkbox"/> 2. Class II | <input type="checkbox"/> 6. Class VI |
| | <input type="checkbox"/> 3. Class III | <input type="checkbox"/> 7. Class VII |
| | <input type="checkbox"/> 4. Class IV | <input type="checkbox"/> 8. Class VIII |

Field Information Notes (not used in scoring)

Original topsoil thickness: _____ inches
Landscape position: upland | depression | stream terrace | floodplain | sandhill meadow
Drainage: Ex | SE | W | MW | SP | P | VP
Flooding: None | Rare | Occ. | Freq.
Ponding: None | RP | OP | FP | VFP
Overhead Water Problem: Yes | No
pH: _____ **N:** Adequate | Deficient
P: _____ #/ac **K:** _____ #/ac

SCORING

Part 1: _____ **Part 2:** _____ **Part 3:** _____ **Total Score:** _____
Possible 50 Possible 10 Possible 40 Possible 100