Project Sponsor: Nebraska Association of Resources Districts **Project Name**: Land Judging Scantron Upgrades

Land
Form #601NE-1

Team Name / Additional Info

Code

Team #

First Name

Last Name

Choices in Part 2 dictate appropriate land mgt: Cropland or Range: Only the correct land mgt. treatment is given points. Numbered practices 8-26 are weghted for difficulty of decision. Correct Y/No must get points.

Part 1 - Soil Factors

Depth of Soil (All 5 pts)

One answer per site!

	1	2	3	4
1 Very Deep / Deep	1	2	3	4
2 Moderately Deep	1	2	3	4
3 Shallow	1	2	3	4
4 Very Shallow	1	2	3	4

Surface Texture (Variable pts)

One answer per site!

	1	2	3	4
1 Fine	1	2	3	4
2 Moderately Fine	1	2	3	4
3 Medium	1	2	3	4
4 Moderately Coarse	1	2	3	4
5 Coarse / Very Coarse	1	2	3	4

Permeability (Variable pts)

One answer per site!

	1	2	3	4
1 Very Slow/Slow	1	2	3	4
2 Moderately Slow	1	2	3	4
3 Moderate	1	2	3	4
4 Moderately Rapid	1	2	3	4
5 Rapid	1	2	3	4
6 Very Rapid	1	2	3	4

Slope (Variable pts)

One answer per site!

	1	2	3	4
1 Nearly Level	1	2	3	4
2 Gently Sloping	1	2	3	4
3 Moderately Sloping	1	2	3	4
4 Strongly Sloping	1	2	3	4
5 Steep	1	2	3	4
6 Very Steep	1	2	3	4

Thickness of Surface (Variable pts)

One answer per site!

	1	2	3	4
1 Thick	1	2	3	4
2 Moderately Thick	1	2	3	4
3 Thin	1	2	3	4

Erosion - Wind & Water (All 8 pts)

One answer per site!

	1	2	3	4
1 None to Slight	1	2	3	4
2 Moderate	1	2	3	4
3 Severe	1	2	3	4
4 Very Severe	1	2	3	4

Part 2 - Land Capability Class

Capability Class (All 10 pts)

One answer per site!

	1	2	3	4
1 Class I	I	I	I	I
2 Class II	II	II	II	II
3 Class III	III	III	III	III
4 Class IV	IV	IV	IV	IV
5 Class V	V	V	V	V
6 Class VI	VI	VI	VI	VI
7 Class VII	VII	VII	VII	VII
8 Class VIII	VIII	VIII	VIII	VIII

<---------- Variable of 37 pts ---------->

Part 3 - Recommended Land Treatments

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. Darken the bubbles as instructed - 25 marks per site.

Land Capability Class

3 pts per field possible

One answer per site!

Wrong answers = 0 pts

		1	2	3	4
1 Row crop/occasional soil conserving crop?	3 pts	1	2	3	4
2 Row crop not more than 2 out of 4 years ?	3 pts	1	2	3	4
3 Row crop not more than 2 out of 6 years ?	3 pts	1	2	3	4
4 Row crop not more than 1 out of 4 years?	3 pts	1	2	3	4
5 Continuous wheat fallow/chemical fallow ?	3 pts	1	2	3	4
6 Permanent vegetation ?	3 pts	1	2	3	4
7 Use only for wildlife or recreation ?	3 pts	1	2	3	4

Cropland

Correct Mgt. = 32pts total
Incorrect Mgt. = 0 pts (+/-)

Answer all factors all sites
10 marks per site!

Wrong answers = 0 pts

		1	2	3	4
8 Practice conservation tillage?	1 pts	Y N	Y N	Y N	Y N
9 Do not burn crop residue?	1 pts	Y N	Y N	Y N	Y N
10 Return crop residue to soil ?	1 pts	Y N	Y N	Y N	Y N
11 Practice field/contour strip cropping?	5 pts	Y N	Y N	Y N	Y N
12 Plant a field windbreak for erosion control ?	7 pts	Y N	Y N	Y N	Y N
13 Terrace and farm on contour ?	4 pts	Y N	Y N	Y N	Y N
14 Maintain terraces?	3 pts	Y N	Y N	Y N	Y N
15 Establish/maintain grassed waterways or tile outlets?	3 pts	Y N	Y N	Y N	Y N
16 Construct diversion terrace, sediment basin ?	4 pts	Y N	Y N	Y N	Y N
17 No mechanical treatment needed?	3 pts	Y N	Y N	Y N	Y N

Rangeland - Wildlife

If Correct Mgt. = 32pts total
Incorrect Mgt. = 0 plts (+/-)

Answer all factors all sites
9 marks per site!

Wrong answers = 0 pts

		1	2	3	4
18 Use prescribed burning ?	2 pts	Y N	Y N	Y N	Y N
19 Mow or spray for weed control ?	6 pts	Y N	Y N	Y N	Y N
20 Control brush and trees ?	4 pts	Y N	Y N	Y N	Y N
21 Proper pasture/range management ?	2 pts	Y N	Y N	Y N	Y N
22 Establish recommended grasses ?	5 pts	Y N	Y N	Y N	Y N
23 Defer grazing until cover is adequate ?	3 pts	Y N	Y N	Y N	Y N
24 Graze to utilize up to 60% forage production ?	3 pts	Y N	Y N	Y N	Y N
25 Control gullies ?	5 pts	Y N	Y N	Y N	Y N
26 Enhance wildlife habitat and recreation ?	2 pts	Y N	Y N	Y N	Y N

Fertilizer & Soil Amendments

5 pts in section

Answer all factors all sites
5 marks per site!

Wrong answers = 0 pts

		1	2	3	4
27 pH - soil amendments	1 pt	Y N	Y N	Y N	Y N
28 Nitrogen (N) ?	1 pt	Y N	Y N	Y N	Y N
29 Phosphorous (P) ?	1 pt	Y N	Y N	Y N	Y N
30 Potassium (K) ?	1 pt	Y N	Y N	Y N	Y N
31 Fertilizer or soil amendments not needed ?	1 pt	Y N	Y N	Y N	Y N

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Field 1

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

Field 2

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

Field 3

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

Field 4

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