

I. SOIL PROPERTIES (5 points each, 45 total)

A. PARENT MATERIAL

- 1 Weathered bedrock 5 Loess 2 Till 6 Alluvium 3 Outwash/Lacustrine deposits 7 Local overwash
- Eolian sand 4

B. SLOPE

- 1 0-2%
- 2 3-6%
- 3 7-12%
- 4 13-18%
- C. LANDFORM
- 1 Upland hillslope
- 2 Upland swell
- 3 Upland flat
- 4 Upland depression
- 9 Dune
 - 10 Flood plain 11 Filled depression

5 19-25%

7 >35%

6. Outwash/Lacustrine swell

8 Outwash/Lacustrine depression

7 Outwash/Lacustrine flat

6 26-35%

5 Outwash/Lacustrine hillslope

D. SURFACE SOIL COLOR GROUP

- 1 Gray
- 2 Brown
- 3 Black

E. PREVIOUS EROSION

- 1 None to slight
- 2 Moderate
- 3 Severe

F. SURFACE TEXTURE

- 1 Sandy
- 2 Moderately sandy
- 3 Medium
- 4 Moderately clayey
- 5 Clayev

G. SUBSOIL TEXTURE

- 1 Sandy
- 2 Moderately sandy
- 3 Medium
- 4 Moderately clayey
- 5. Clayey

H. NATURAL SOIL DRAINAGE

- 1 Poorly
- 2 Somewhat poorly
- 3 Moderately well
- 4 Well

I. LIMITING LAYER

- 1 Bedrock, 0-20 in
- 2 Bedrock, 21-40 in
- 3 Dense till, 0-20 in
- 4 Dense till 21-40 in
- 5 Fragipan, 0-20 in
- 6 Fragipan, 21-40 in
- 7 Coarse sand & gravel, 0-20 in
- 8 Coarse sand & gravel, 21-40 in
- 9 None within 40 in

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Indiana Soil Evaluation Scorecard

4-H-394-W

AGRICULTURE

II. AGRICULTURE PRACTICES (3 points each, 69 total)

A. LAND USE OVERVIEW

- 1 Restore original vegetation to: A - Wetland; B - Prairie; C - Mesic forest No Yes
- 2 А В Prime farmland

B. EROSION AND COMPACTION POTENTIALS

- 3 А В High for erosion by water
- В А High for erosion by wind 4
- В High for soil compaction 5 А

C. BUFFERS AND COVER CROPS

- Grassed waterways 6 А В
- 7 А В Windbreaks
- В Filter strips 8 А
- Most significant benefit of cover crops: 9
 - A Scavenge N; B No need; C Erosion control

D. CROPPING PRACTICES

Yes No

- А В Timber stand improvement (TSI) 10
- В Permanent pasture 11 А
- Crop rotation В 12 А

E. TILLAGE PRACTICES

- 13 А В No till
- 14 Α В Moldboard or chisel plowing

F. WATER MANAGEMENT

15	А	В	Drainage
16	А	В	Irrigation
17	А	В	Terraces

G. PLANT NUTRIENT APPLICATION

		Α	В	С
18	N:	Low	Med.	High
19	P:	Add	None	Deplete
20	K:	Add	None	Deplete
21	Lime:	Add	None	

H. NUTRIENT POLLUTION POTENTIAL

- 22 Nitrogen pollution potential: A - High, groundwater; B - High, surface water; C - Med.
- 23 Phosphorus pollution potential:
 - A High; B Medium; C Low

Team / Contestant number:

Contestant name:

School / Club name: ____

Site number:

SCORE