

# LAND JUDGING SCORE CARD

Rev. 6/2010

CONTESTANT NO. \_\_\_\_\_ FIELD NO. \_\_\_\_\_

## FIELD CONDITIONS

NAME \_\_\_\_\_

SCHOOL/COUNTY \_\_\_\_\_

- Original topsoil thickness was \_\_\_\_\_ inches
- Seasonal high water table depth at \_\_\_\_\_ inches
- Flooding occurs \_\_\_\_\_ times in 100 years
- Soil test levels are:  
\_\_\_\_\_ lbs N \_\_\_\_\_ lbs P \_\_\_\_\_ lbs K
- Livestock manure available (yes/no) \_\_\_\_\_
- Nutrient value of manure: at 10 tons/acre rate only:  
\_\_\_\_\_ lbs N \_\_\_\_\_ lbs P \_\_\_\_\_ lbs K
- Crop/plant to be grown and nutrient requirements:  
If Land Class I/II then: \_\_\_\_\_  
\_\_\_\_\_ lbs N \_\_\_\_\_ lbs P \_\_\_\_\_ lbs K  
If Land Class III/IV then: \_\_\_\_\_  
\_\_\_\_\_ lbs N \_\_\_\_\_ lbs P \_\_\_\_\_ lbs K  
If Land Class V/VI/VII then: \_\_\_\_\_  
\_\_\_\_\_ lbs N \_\_\_\_\_ lbs P \_\_\_\_\_ lbs K
- Other Considerations: \_\_\_\_\_  
\_\_\_\_\_
- Pay no attention to practices on the field
- Consider the most intensive use of the land

PART 1: SOIL FACTORS			
SCORE	OBSERVED SOIL PROPERTIES		
	<b>TEXTURAL GROUP</b>		
topsoil (4 pts)	<b>topsoil</b>		<b>subsoil</b>
	<input type="checkbox"/>	coarse	<input type="checkbox"/>
	<input type="checkbox"/>	moderately coarse	<input type="checkbox"/>
subsoil (4 pts)	<input type="checkbox"/>	medium	<input type="checkbox"/>
	<input type="checkbox"/>	moderately fine	<input type="checkbox"/>
	<input type="checkbox"/>	fine	<input type="checkbox"/>
(3 pts)	<b>SOIL DEPTH</b>		
	<input type="checkbox"/>	deep (> 40")	
	<input type="checkbox"/>	moderately deep (20-40")	
	<input type="checkbox"/>	shallow (10-20")	
	<input type="checkbox"/>	very shallow (<10")	
(4 pts)	<b>PAST EROSION</b>		
	<input type="checkbox"/>	deposition	
	<input type="checkbox"/>	none to slight (<25%)	
	<input type="checkbox"/>	moderate (25-75%)	
	<input type="checkbox"/>	severe (>75%)	
(5 pts)	<b>SLOPE</b>		
	<input type="checkbox"/>	depression	
	<input type="checkbox"/>	nearly level (0-3%)	
	<input type="checkbox"/>	gently sloping (3-6%)	
	<input type="checkbox"/>	moderately sloping (6-9%)	
	<input type="checkbox"/>	strongly sloping (9-15%)	
	<input type="checkbox"/>	steep (15-25%)	
	<input type="checkbox"/>	very steep (>25%)	
(2 pts)	<b>STONINESS</b>		
	<input type="checkbox"/>	none to slight	
	<input type="checkbox"/>	moderate	
	<input type="checkbox"/>	excessive	
INTERPRETIVE SOIL PROPERTIES			
(4 pts)	<b>PERMEABILITY</b>		
	<input type="checkbox"/>	rapid	
	<input type="checkbox"/>	moderate	
	<input type="checkbox"/>	slow	
	<input type="checkbox"/>	very slow	
(4 pts)	<b>SURFACE RUNOFF</b>		
	<input type="checkbox"/>	rapid	
	<input type="checkbox"/>	moderate	
	<input type="checkbox"/>	slow	
	<input type="checkbox"/>	ponded	
(9 pts)	<b>LIMITING FACTORS</b>		
	<input type="checkbox"/> Y <input type="checkbox"/> N	texture	stoniness <input type="checkbox"/> Y <input type="checkbox"/> N
	<input type="checkbox"/> Y <input type="checkbox"/> N	depth	permeability <input type="checkbox"/> Y <input type="checkbox"/> N
	<input type="checkbox"/> Y <input type="checkbox"/> N	erosion	runoff <input type="checkbox"/> Y <input type="checkbox"/> N
	<input type="checkbox"/> Y <input type="checkbox"/> N	slope	climate <input type="checkbox"/> Y <input type="checkbox"/> N
	<input type="checkbox"/> Y <input type="checkbox"/> N	water table	
(6 pts)	<b>LAND CAPABILITY</b>		
	<input type="checkbox"/>	class I	class V <input type="checkbox"/>
	<input type="checkbox"/>	class II	class VI <input type="checkbox"/>
	<input type="checkbox"/>	class III	class VII <input type="checkbox"/>
	<input type="checkbox"/>	class IV	class VIII <input type="checkbox"/>

PART 2: RECOMMENDED LAND TREATMENTS			
SCORE	VEGETATIVE TREATMENTS		
(14 pts)	<input type="checkbox"/> Y <input type="checkbox"/> N	Occasional soil conserving crop in rotation	
	<input type="checkbox"/> Y <input type="checkbox"/> N	Frequent soil conserving crop in rotation	
	<input type="checkbox"/> Y <input type="checkbox"/> N	Return crop residue to the soil	
	<input type="checkbox"/> Y <input type="checkbox"/> N	Practice no-till/reduced tillage	
	<input type="checkbox"/> Y <input type="checkbox"/> N	Establish vegetation/tree wind barriers	
	<input type="checkbox"/> Y <input type="checkbox"/> N	Establish recommended grasses/legumes	
	<input type="checkbox"/> Y <input type="checkbox"/> N	Use proper pasture & range management	
(8 pts)	<b>MECHANICAL EROSION TREATMENTS</b>		
	<input type="checkbox"/> Y <input type="checkbox"/> N	Diversion terraces	
	<input type="checkbox"/> Y <input type="checkbox"/> N	Farm on the contour	
	<input type="checkbox"/> Y <input type="checkbox"/> N	Terrace and farm on the contour	
(8 pts)	<b>FERTILITY TREATMENTS</b>		
	<input type="checkbox"/> Y <input type="checkbox"/> N	manure	
		*lbs/a	nitrogen (N)
		*lbs/a	phosphorus (P)
		*lbs/a	potassium (K)

\*not a check box-must enter a number

**45 points**    **PART 1 SCORE** \_\_\_\_\_

**30 points**    **PART 2 SCORE** \_\_\_\_\_

**75 points**    **TOTAL SCORE** \_\_\_\_\_

