

LAND CAPABILITY CHART – NEBRASKA			North Central, North East, East Central And Southeast Land Judging Areas			Area #2	8/2017
SOILS ON UPLANDS AND STREAM TERRACES							
Surface Texture	Permeability	Drainage	Slope	Erosion	Dryland Land Capability Class	General description	
<b>DEEP AND VERY DEEP SOILS (40 inches or deeper)</b>							
Fine, Mod. fine, Medium	VS, S	SE, W, MW, SP	0-2		II	Deep and very deep soils with clayey or moderately fine textured surface layers and clayey, very slow or slowly permeable subsurface layers.	
			2-6	1,2	III		
			2-6	3	IV		
			6-11	ALL	IV		
			11-30	ALL	VI		
Mod. fine, Medium	MS, M, MR, R	SE, W, MW	0-2	1,2	I*	Deep and very deep soils with moderately fine or medium textured surface layer and silty, loamy or clayey, moderately slow or moderately permeable subsurface layers.	
			2-6	1,2	II		
			2-6	3	III		
			6-11	1,2	III		
			6-11	3	IV		
			11-15	ALL	IV		
			15-30	ALL	VI		
			30-60+	ALL	VII		
* Class II only in the following counties: Keya Paha, Boyd, Brown, Rock, Holt, Blaine, Loup, Garfield, Wheeler, Custer, Valley, Greeley, Sherman, Logan, and Howard.							
Mod. coarse	MS, M, MR, R	EX, SE, W, MW, SP	0-2	1,2	II	Deep and very deep soils with moderately coarse textured surface layers and sandy, loamy or silty subsurface layers.	
			2-6	1,2	III		
			6-11	ALL	IV		
			11-30	ALL	VI		
Coarse	MS, M, MR, R, VR	EX, SE, W, MW	0-3	1,2	III	Deep and very deep moderately well drained to excessively drained soils with loamy sand, loamy fine sand or loamy very fine sand surface layers. ** Choppy sandhill landscapes	
			3-6	1,2	IV		
			6-17	ALL	VI**		
			17+	ALL	VII		
Coarse	M	SP	0-3	1,2	III	Deep and very deep somewhat poorly drained soils with loamy fine sand or loamy sand surface layers and moderately permeable subsurface layer.	
Coarse	MR, R, VR	SP	0-3	1,2	IV	Deep and very deep somewhat poorly drained soils with loamy fine sand or loamy sand surface layers and moderately rapid to very rapidly permeable subsurface layer.	
Coarse	ALL	P	0-3	ALL	V	Deep and very deep poorly drained loamy fine sand and loamy sand soils.	
Very coarse	M, MR, R, VR	SP	0-3	ALL	VI	Deep and very deep somewhat poorly drained fine sand and sand soils.	
Very coarse	ALL	P	0-3	ALL	V	Deep and very deep poorly drained fine sand and sand soils.	
Very coarse	M, MR, R, VR	EX, SE, W, MW	0-17	ALL	VI	Deep and very deep well to excessively drained soils with fine sand or sand surface layers. ** Choppy sandhill landscapes	
			17+	ALL	VII**		
<b>MODERATELY DEEP SOILS (20 to 40 inches to bedrock) [sand &amp; gravel will not be used in the contest as depth limiting]</b>							
Fine	S, MS	SE, W, MW, SP	0-6	1,2	III	Moderately deep clayey soils.	
			6-11	ALL	IV		
			11-30	ALL	VI		
Mod. fine, Medium	ALL	EX, SE, W, MW	0-2	1,2	II	Moderately deep silty and loamy soils.	
			2-6	1,2	III		
			6-11	ALL	IV		
			11-30+	ALL	VI		
Mod. coarse	M, MR, R	EX, SE, W, MW	0-2	1,2	III	Moderately deep fine sandy loam, sandy loam and very fine sandy loam soils.	
			2-6	1,2	IV		
			6-11	ALL	VI		
Coarse	MR, R	SE, W	0-3	ALL	IV	Moderately deep sandy soils.	
			3-9	ALL	VI		
<b>SHALLOW SOILS (10 to 20 inches to bedrock) [sand &amp; gravel will not be used in the contest as depth limiting]</b>							
Mod. fine, Medium	ALL	ALL	0-3	ALL	IV	Shallow loamy soils	
			3-30	ALL	VI		
			30+	ALL	VII		
Mod. Coarse, Coarse, V coarse	ALL	ALL	0-30	ALL	VI	Shallow loamy and sandy soils	
			30+	ALL	VII		
<b>VERY SHALLOW SOILS (0 to 10 inches to bedrock) [sand &amp; gravel will not be used in the contest as depth limiting]</b>							
ALL	ALL	ALL	0-30+	ALL	VII	Very shallow soils	

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<b>SOILS ON UPLAND AND TERRACE DEPRESSIONS</b>								
Surface Texture	Permeability	Drainage, Ponding	Slope	Erosion	Dryland Land Capability Class	General description		
ALL	VS, S, MS	P, OP	0-1	ALL	III	Deep and very deep poorly drained or very poorly drained soils in ponded upland or terrace depressions with clayey or moderately fine textured subsurface layers.		
		VP, FP	0-1	ALL	IV			
		VP, VFP	0-1	ALL	VIII			
<b>SOILS ON FLOODPLAINS AND SANDHILL MEADOWS</b>								
<b>DEEP AND VERY DEEP SOILS (40-60 inches + deep)</b>								
Surface Texture	Permeability	Drainage	Flooding, Ponding	Slope	Erosion	Dryland Land Capability Class	General description	
Fine, Mod, fine, Medium	VS, S, MS, M	SP	R, OCC	0-2	1	II	Deep and very deep somewhat poorly drained to very poorly drained soils with clayey, silty or loamy surface layers.	
		P	R, OCC	0-2	1	III		
		VP	R, OCC	0-2	1	V		
Mod, fine, Medium	MS, M	MW, W, SE	R	0-2	1,2	I	Deep and very deep moderately well drained or well drained soils with loamy or silty surface layers.	
		MW, W, SE	OCC	0-2	1,2	II		
Medium, Mod. coarse	R	SP	R, OCC	0-3	1,2	III	Deep and very deep, somewhat poorly drained soils with loamy surface layers and rapid permeability.	
Mod. coarse	M, MR, R	MW, W	R, OCC	0-3	1,2	II	Deep and very deep moderately well to very poorly drained soils with fine sandy loam surface layer.	
		SP	R, OCC	0-3	1,2	II		
		P, VP	R, OCC	0-3	1	V		
Coarse	MR, R, VR	W, SE, EX	R, OCC	0-3	1,2	IV	Deep and very deep well drained to excessively drained soils with fine sand surface layers.	
				3-11	ALL	VI		
Very coarse	MR, R, VR	SE, EX	R, OCC	0-11	ALL	VI	Deep and very deep, somewhat excessively drained soils with sand surface layer	
ALL	ALL	ALL	FREQ	0-3	1	VI	Deep and very deep, frequently flooded soils.	
ALL	ALL	P, VP	R, OCC, FP	0-2	1	V	Deep and very deep poorly and very poorly drained soils	
ALL	ALL	VP	VFP	0-2	1	VIII	Soils very frequently ponded with water	
<b>MODERATELY DEEP (20 to 40 inch depth to underlying bedrock) [sand &amp; gravel will not be used in the contest as depth limiting]</b>								
Fine, Mod. Fine, Medium, Mod. coarse	ALL	MW, W	R, OCC	0-2	1,2	II	Moderately dee poorly drained to well drained soils	
		SP	R, OCC	0-2	1,2	III		
		P	R, OCC	0-2	1,2	IV		
<b>SHALLOW (10 to 20 inches depth to underlying bedrock) [sand &amp; gravel will not be used in the contest as depth limiting]</b>								
ALL	ALL	SP, P, VP	OCC, FREQ	0-3	1	VI	Shallow soils	
<b>VERY SHALLOW (0 to 10 inches depth to underlying bedrock) [sand &amp; gravel will not be used in the contest as depth limiting]</b>								
ALL	ALL	SP, P, VP	OCC, FREQ	0-3	1	VII	Very shallow soils.	

