

LAND CAPABILITY CHART – NEBRASKA			North Central, North East, East Central And Southeast Land Judging Areas			Area #2	12/2022
SOILS ON UPLANDS AND STREAM TERRACES							
Surface Texture	Permeability	Drainage	Slope	Erosion	Dryland Land Capability Class	General Description	
DEEP AND VERY DEEP SOILS (40 inches or deeper)							
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.	
			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.	
			17+	ALL	VII		
MODERATELY DEEP SOILS (20 to 40 inches to bedrock) [sand & gravel will not be used in the contest as depth limiting]							
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		
SHALLOW SOILS (10 to 20 inches to bedrock) [sand & gravel will not be used in the contest as depth limiting]							
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		
VERY SHALLOW SOILS (0 to 10 inches to bedrock) [sand & gravel will not be used in the contest as depth limiting]							
ALL	ALL	ALL	0-30+	ALL	VII	Very shallow soils	

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SOILS ON UPLAND AND TERRACE DEPRESSIONS								
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			
SOILS ON FLOODPLAINS AND SANDHILL MEADOWS								
DEEP AND VERY DEEP SOILS (40-60 inches + deep)								
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	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	
MODERATELY DEEP (20 to 40 inch depth to underlying bedrock) [sand & gravel will not be used in the contest as depth limiting]								
Fine, Mod. Fine, Medium, Mod. coarse	ALL	MW, W	R, OCC	0-2	1,2	II	Moderately deep poorly drained to well drained soils	
		SP	R, OCC	0-2	1,2	III		
		P	R, OCC	0-2	1,2	IV		
SHALLOW (10 to 20 inches depth to underlying bedrock) [sand & gravel will not be used in the contest as depth limiting]								
ALL	ALL	SP, P, VP	OCC, FREQ	0-3	1	VI	Shallow soils	
VERY SHALLOW (0 to 10 inches depth to underlying bedrock) [sand & gravel will not be used in the contest as depth limiting]								
ALL	ALL	SP, P, VP	OCC, FREQ	0-3	1	VII	Very shallow soils.	

